

BROCHURE

# HEALTHCARE BUILDING SOLUTIONS

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In an integrated global market, how can business be managed competitively and sustainably? How can energy costs be optimized to maximize profits, and at the same time minimize the impact of business operations on the environment?

Hospitals and Medical Laboratories have been in the forefront in combating various disease and health hazards to Human life. History is witness to the fact that those who possess advance Hospital Care infrastructure have been able to build amazing civilization. We Provide Economical Bouquet of Products and services that reduces Cost of erection of New facilities and Also reduces the cost of Operation of existing and New Facilities. They provide the competitive edge to your enterprise to make its mark with superior offerings and community goodwill. Ensuring medical services remain affordable to the masses

Everywhere, enterprises face this challenge of delivering high quality products and services while ensuring margins and, as a corporate citizen, contributing to the efforts of protecting the air we breathe and the water we drink. Our energy efficient and eco-friendly technologies offer reliable business-to-business partnerships to respond to this critical challenge.

Our solution perspective not only cover design and Construction but also take Operation and Maintenance into consideration as well. For Better integration of Technologies as well smooth Operations



CLINICS, DENTAL &  
PHYSIOTHERAPY CENTRE



HOSPITALS &  
REHAB CENTRE



MEDICAL LABORATORY &  
MANUFACTURING CENTRES





LIASONING

1

2

PLANNING

3

EXECUTION

ANALYSING

PERMISSION

ENGINEERING

FINANCE

PROJECT EXECUTION

BIM

PROJECT LAYOUT

FIELD PREP

CORE SYSTEM

CIVIL CONSTRUCTION

STRUCTURE

TECHNOLOGY

ALLIED WORKS

PEB

COMPLETE

GREEN TECH

AFTER SALES SERVICE

WHAT WE DO



OUR PRINCIPLE

HIGH QUALITY



ECONOMICAL



METICULOUS



INNOVATION



FUTURE READY



6 YRS SERVICE COMMITMENT



INTEGRATION

TIME IS WEALTH



TECHNOLOGY



EVER EVOLVING



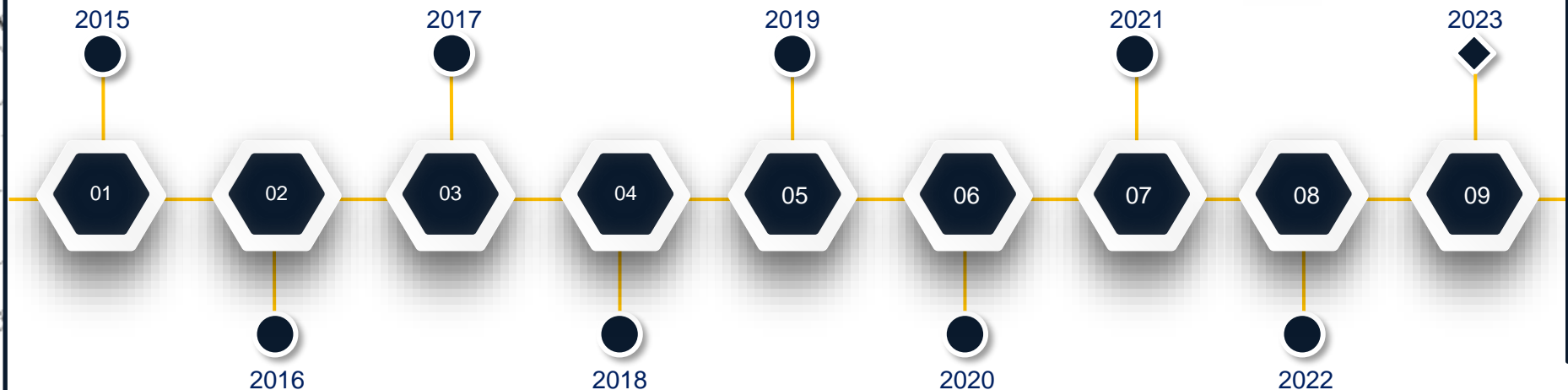
WE HAVE GROWN IN LEAPS AND BOUNDS OVER LAST SEVEN YEARS WITH HUMBLE BEGINNING IN 2015, TODAY WE ARE A YOUNG COMPANY OF ENTHUSIASTIC ENGINEERS, ENTREPRENEURS, FABRICATORS DESIGNERS, ARTISTS AND DREAMERS WHO ARE TRYING TO BRING WORLD CLASS INNOVATION TO THE PEOPLE OF INDIA.

IT IS OUR MISSION TO CREATE SUCH GREAT FEET OF ENGINEERING THAT WOULD INSPIRE MANY GENERATION TO COME,

TO EXCEL BEYOND BELIEF... SUCCEED BEYOND EXPECTATION...



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HOW WE DO IT

### ORDER PLACEMENT

- Expectation Listing
- Term Documentation
- Advance Receiving

### PROCESS LIASONING

- Documentation Preparation
- Necessary Clearances
- Licenses for Work
- Certification Benchmarking
- Appointing Project Concierge

### PROJECT FINANCING

- Documentation Preparation
- Finance Planning
- Payout Planning
- Payback Planning

#### GUIDING POLICIES:

- EHS Policy
- Quality Policy
- Supervision Policy
- Contingency Planning

### ANALYSIS & CONSULTATION

- Risk Analysis
- Environment Impact Analysis
- Occupancy Analysis

### GREEN BUILDING SOLUTIONS

- Parameter Benchmarking
- Façade Engineering
- Envelope Engineering

### INTERIOR DESIGN SERVICE

- Occupancy Planning
- System Integration Planning
- Furniture Planning

### SIMULATION SERVICES

- Environment Threat Analysis
- Structural Stability analysis
- Occupancy Simulation
- Safety & Security Simulation
- Energy Saving Simulation
- IEQ Simulation

### ARCHITECTURAL DESIGN & PLANNING

#### TEAM RECRUITMENT

- Architect Appointment
- Project Manager Appointment
- Project Engineers Appointment

#### DESIGN PREPARATION

- Design Conceptualization
- Design Discussion with customer
- Planning and Drawing Preparation

#### DESIGN INCLUSION

- Analysis Data Parameters
- Green Building Standard Inclusion
- Engineering Alteration Inclusion

### ARCHITECTURAL ENGINEERING

#### STRUCTURE ENGINEERING

- Proposed Structure Engineering
- Environment Analysis & Planning
- Civil & Structure Drawing Preparation

#### PROJECT MEP ENGINEERING

- Occupancy & Comfort Analysis
- MEP Engineering & Designing
- Automation & BMS Planning
- Building Information modeling

#### SAFETY & SECURITY

- Threat Analysis
- Fire Fighting Design & Planning
- Occupant Safety Planning
- Building Safety Designing

TO CONSTRUCTION



**PROJECT PRE CONSTRUCTION PLANNING**

- CONSTRUCTION PLAN ANALYSIS**
  - Plan Detailing & Analysis
  - Construction Process Selection
  - Value Engineering Planning
  - Inclusion Strategy Planning
- PROCUREMENT & SPECS PLANNING**
  - Specification Analysis
  - Procurement Planning
  - Bidding Process
  - Vendor Selection
- SCHEDULE PLANNING**
  - Schedule Planning
  - Logistic Planning
  - Storage Planning
  - Record Keeping
- RISK ANALYSIS & MANGEMENT**
  - Risk Analysis
  - Safety Planning
  - Hazard Management
  - Employee Training
- BUDGET ESTIMATION**
  - Financial Services
  - Budget Estimate
  - Budget Planning
  - Recycle Strategy
- QC ASSURANCE & PLANNING**
  - Quality Parameter Plan
  - QC Document Plan
  - QC Testing & Analysis
  - QC Contingency Planning

**PROJECT CONSTRUCTION MANAGEMENT**

- SCOPE MANAGEMENT**
  - Scope Analysis
  - Site Survey
  - Work Breakdown Structuring
  - Scope Controlling
- RESOURCE MANAGEMENT**
  - Requirement Planning
  - Resource Management
  - Money Management
  - Upcycle Plan
- SCHEDULE MANAGEMENT**
  - Schedule Planning
  - Documentation Process
  - Spillover Planning

**PROJECT TURNKEY CONSTRUCTION**

- TURNKEY CONSTRUCTION**
  - Site Preparation
  - Civil & PEB Construction
  - MEP System Installation
  - Interior & Finish Works
- TESTING & COMMISIONING**
  - Project Finishing Analysis
  - Project Testing
  - Project Commissioning
  - Documentation
- POST CONSTRUCTION**
  - Operations Training
  - Safety Training
  - Warranties' Certification
  - Maintenance Training

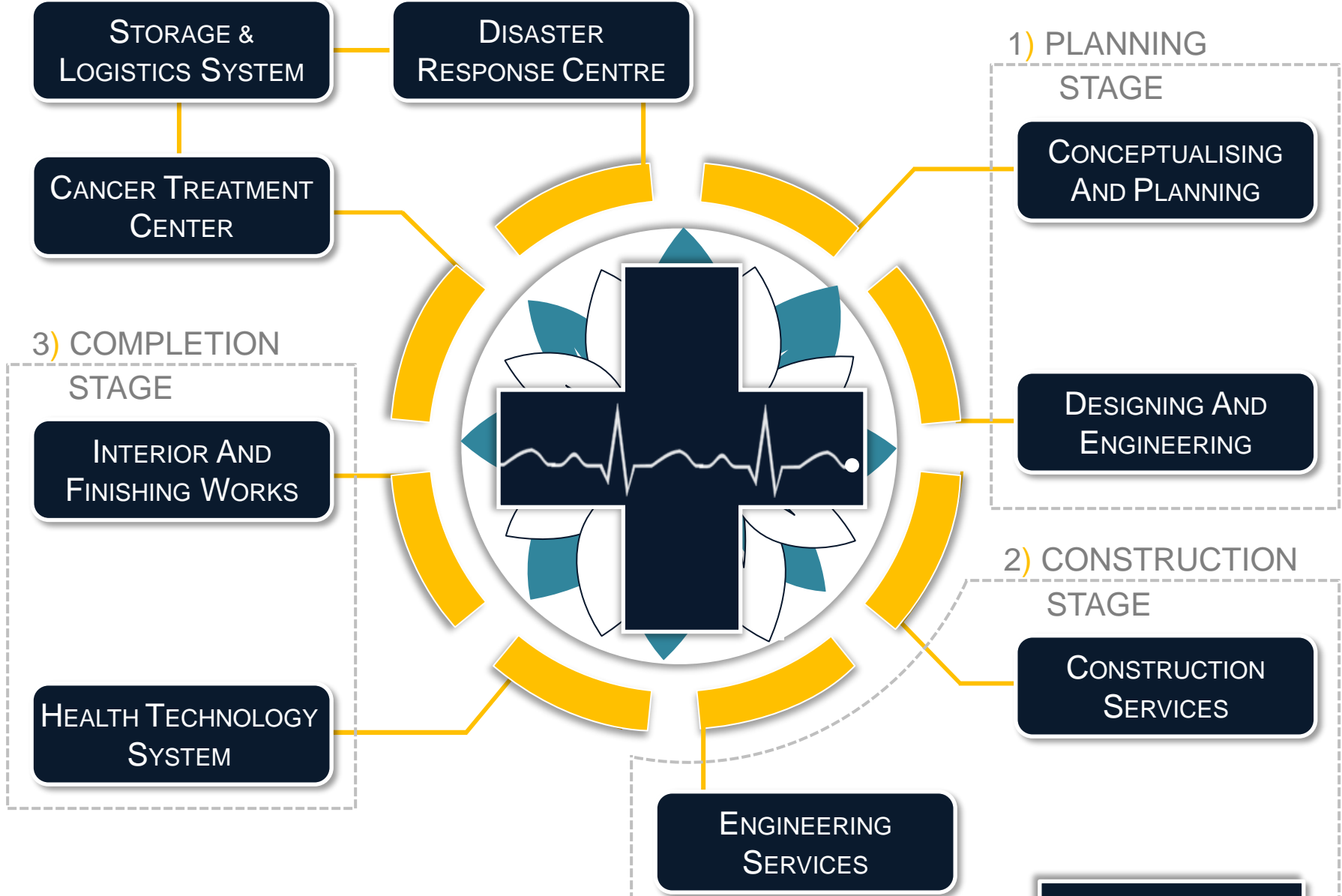
**COMMERCIAL CLOSURE**

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Warm Regards





# WHY CHOOSE US...?

## BETTER TECHNOLOGY INTEGRATION

- We ensure better integration of multiple systems.
- Using BIM we ensure multiple systems can be maintained independently of each other
- With our expertise we can ensure minimal support for various systems



## LOW-COST DESIGN AND TECHNOLOGY

- We Use BIM to design various sections so that they use less materials for construction.
- We select materials that have long life, Durable & Economical.
- We incorporate technologies that reduce Setup & Operational Cost



## ENERGY EFFICIENT BUILDING DESIGN

- We design and develop each building with energy efficiency
- Each Infrastructure comprise of both passive and active systems.
- Energy Efficient Building are more Economical to run.



## GREEN & SUSTAINABLE BUILDING DESIGN

- We Design and try to Develop buildings that are Carbon free.
- As per requirement of client we can make building to be net ZERO Consumption.
- We Use Recycle and Locally sourced material if available.



## IN-DEPTH ANALYSIS AND PLANNING

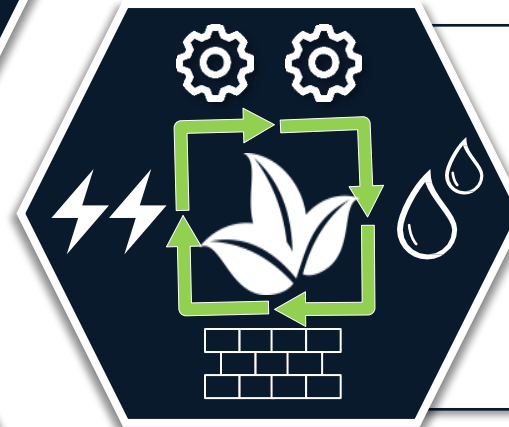
- We Use State of the art software for Building Information modeling.
- We do extensive research before designing & planning
- During designing we not only consider construction but also operations and maintenance.



# WHY CHOOSE US...?

## ENVIRONMENTALLY SAFE CONSTRUCTION

- We use advance computer models for construction process ensuring minimal material waste.
- We avoid using all sort of toxic materials for projects.
- We use Eco Friendly items



## INFRASTRUCTURE AND OPERATION OPTIMISATION

- With years of experience and state of art computer modeling, we can make a very good estimation about use of infrastructure & design infrastructure, and it operation to be more efficient.



## SOLAR PUNK VISION & BELIEF

- We design Building around the people, for the people & to be used by the people.
- We Believe Nature & Human progress can co-exist
- We Believe in a hopeful & a better future.





## DEEP ANCIENT ROOTS

We all are a culmination of all those who have been before us. Its there legacy that we have to continue forward that legacy, maintaining, improving, Contributing and sustaining it forward. Legacy connect us all in past, present and future.

Legacy play an important part in our minds and daily lives, they determine outcome of decisions we make, role we play in the society and the contribution we make as a whole.

We as a company bank on lot of Legacies set by great Men and Women. We want to honor these legacies with great feats of engineering, that solve current problems and inspire the coming generation on improving the continuing Legacies.

## SOLAR PUNK FUTURE

We believe in a better future for Humans, We believe humans will come around, stop the mindless destruction of our planet and society. Ushering a new era of Growth, Prosperity and Harmony with nature. People welfare and business growth will be intertwined

Its a future where all business get equal opportunity, are equally efficient and compete on merit, value of products/ services and for the Betterment of Mankind.



## EARTH & LAND

Earth is a gift given to us, It has sustained Us, Protected Us, Cared For Us, and now mantle of responsibility fall on us. We must cherish it, nurture it and protect it.

Land is one of the oldest parameter of a person's success, it represent a key element for any and all business owners, big and small. Land ownership promotes power, stability, Growth and Prosperity. Nations are built on the promise and premise of Land.

We at Elementalz Inc. believe in Earth and Land. We develop Products, Solutions and Services which ensure Protection of Our Beloved Earth, All the meanwhile enable the smallest of businesses to be Efficient, Economical, Progressive. and Promote Ownership of True Success.

## GROWING FOREST

Where there is a Sapling growing eventually a forest will follow, all it takes to remove an unfavorable environment is one bold step embolden by multitude of bold step following.

Like trees in a forest, people will grow better when they are together. Forest grow together, develop and ecosystem thrives which in turn make environment to be more favorable for the Forest. and Forest grows even further.

We believe that it is important for all of our partner in various endeavors to grow both personally and professionally. Our Clients, Our vendors and partners are tree in the forest like us. When Our clients grow we Grow too. So its our mission of ours to ensure Growth all around of everyone involved with us.



For More Information:

Scan the QR code to go directly to our official Elementalz Inc. website,

[www.elementalzindia.com](http://www.elementalzindia.com)

# HEALTHY WELLNESS

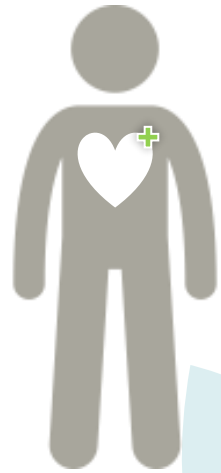
Health is the state of complete physical, mental, and social well-being and not merely the absence of disease, or infirmity. Wellness is an active process through which people become aware of, and make choices toward, a more successful existence.

Our design & development philosophy incorporates a lot of the elements that improves positive impact of the facility on the patient, fosters patients' confidence in the healthcare facility all the while improving the overall perception and mood of the occupants.

Facilities are designed by Elementalz Inc. keeping in mind all the factors which helps in promoting wellness of the occupants. Caring for Wellness of a person does not end at the premises of the Healthcare unit, it's an on going process extending way beyond confines of the Healthcare facility.

With multi pronged modern approach to healthcare we help Healthcare professionals to take care of their patients with precisions even outside of the Hospital or Healthcare facility premises. Real time connectivity between healthcare providers(Powered by AI) and the person Enables better healing of the mind, body and the spirit.

"He who has health has hope and he who has hope has everything." – Arabian Proverb.



**PHYSICAL  
WELLNESS**



**MENTAL  
WELLNESS**



**SPIRITUAL  
WELLNESS**



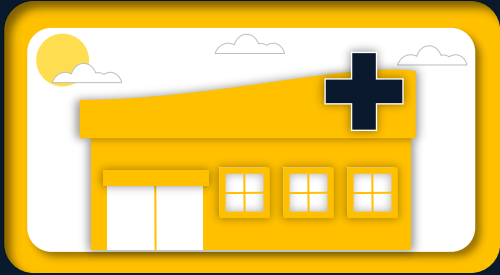
**SOCIAL  
WELLNESS**



**INTELLECTUAL  
WELLNESS**



**OCCUPATIONAL  
WELLNESS**



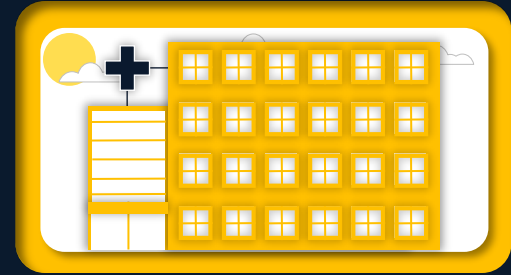
## PRIMARY HEALTHCARE BUILDING SOLUTIONS

- PHARMACIES & CHEMIST
- WALK-IN CLINIC
- PET CARE CENTERS
- E-CLINIC CENTRE
- POLYCLINIC/URGENT CARE
- DENTAL CENTERS



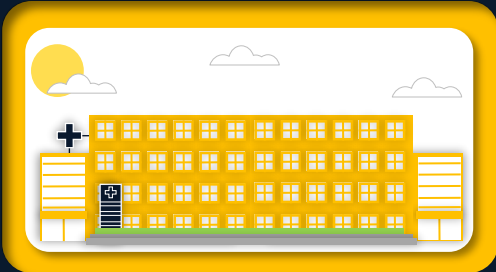
## SECONDARY HEALTHCARE BUILDING SOLUTIONS

- NURSING HOME
- HEALTH CENTER
- PHYSIOTHERAPY CENTER
- REHABILITATION CENTER
- SPECIAL CARE CENTER
- RESPONSE CENTER



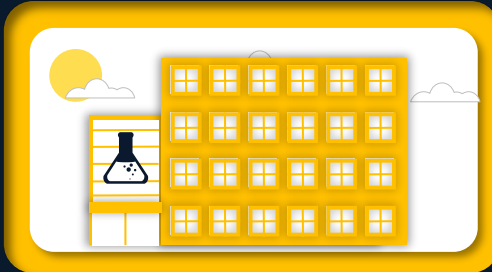
## TERTIARY HEALTHCARE BUILDING SOLUTIONS

- GENERAL HOSPITAL
- MULTI SPECIALTY HOSPITAL
- CANCER TREATMENT CENTER
- TRAUMA CARE CENTER
- NATUROPATHY CENTER
- LONG TERM CARE CENTER



## MEDICAL COLLEGE BUILDING SOLUTIONS

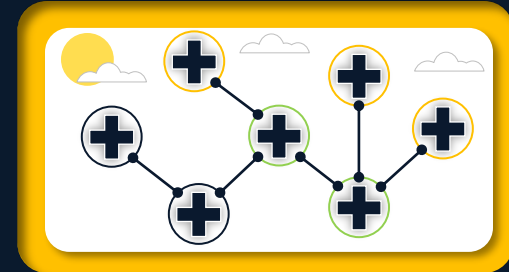
- MEDICAL COLLEGE
- NURSING COLLEGE
- DENTAL COLLEGE
- PHYSIOTHERAPY COLLEGE
- ALLIED HEALTH TECHNICIAN COLLEGE



## RESEARCH CENTER\* BUILDING SOLUTIONS

- MEDICAL RESEARCH
- BIOTECH RESEARCH
- MATERIAL RESEARCH
- PATHOGEN RESEARCH
- GENETIC RESEARCH

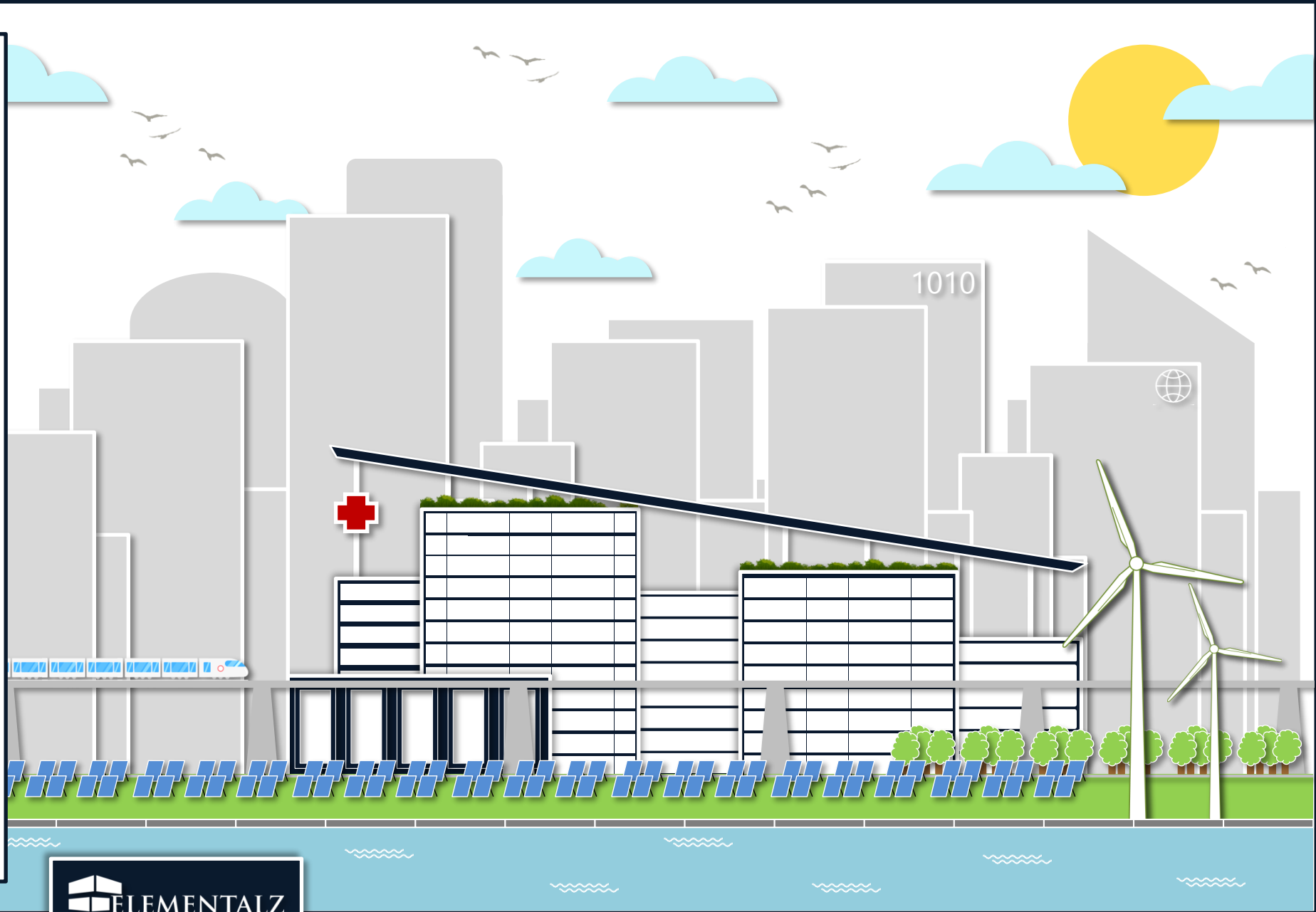
\* SOME RESEARCH INSTITUTE NEED CLEARANCE FROM GOVERNMENT OF INDIA FOR CONSTRUCTION.



## HEALTHCARE NETWORK SOLUTIONS

- COLD CHAIN SOLUTIONS
- UNIFIED DIGITAL PLATFORM
- LOGISTICS SOLUTIONS
- PATIENT CARE NETWORK
- RAPID RESPONSE SOLUTIONS
- DISASTER MANAGEMENT AND RESPONSE SOLUTIONS

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## CONCEPTUALISING AND PLANNING

- PROJECT CONCEPT
- PROJECT PLANNING

## DESIGNING AND ENGINEERING

- DESIGNING SERVICES
- ENGINEERING SERVICES

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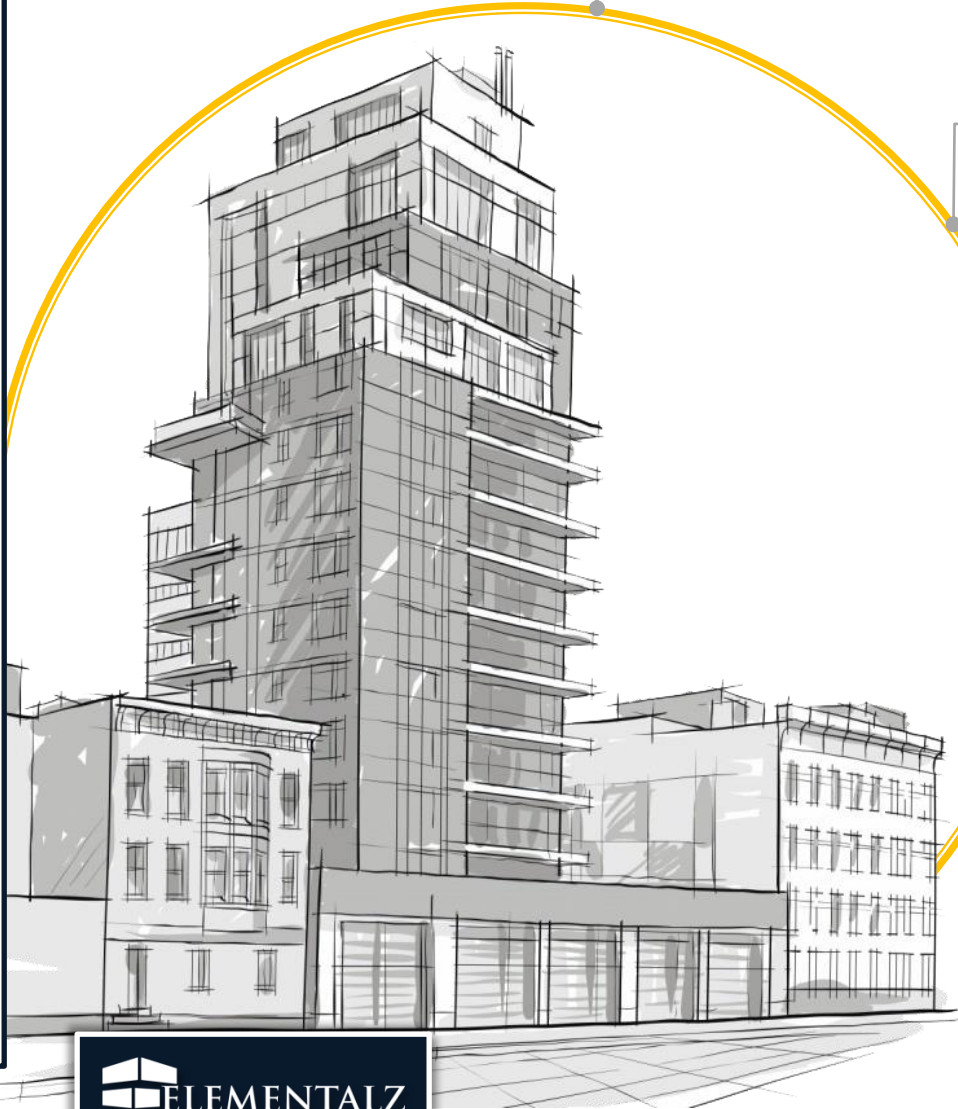
[www.elementalzindia.com](http://www.elementalzindia.com)



**ELEMENTALZ**

Combining Elements For Building

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REQUIREMENT ANALYSIS

2

CHALLENGE ANALYSIS

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OPERATION ANALYSIS

4

COMFORT ANALYSIS

FIRST STEP TOWARDS MAKING  
YOUR PROJECT A REALITY

## REQUIREMENT ANALYSIS



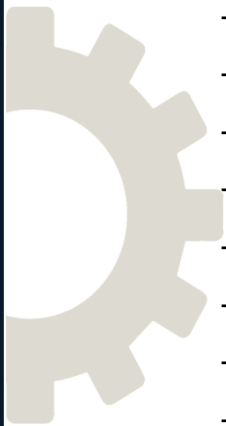
- Cost to Benefit analysis
- Department Analysis
- Facility Requirement Analysis
- Building Stability & Safety Analysis
- Internal Environment Criteria Analysis
- Accessibility and Control Analysis
- Urban Plan analysis

## CHALLENGE ANALYSIS



- Environment Impact Analysis
- Threat and Risk Analysis
- Growth and Expansion Analysis
- Building Utility and Usage Analysis
- Competition Analysis
- Financial Stability Analysis

## OPERATION ANALYSIS



- Cost to Benefit analysis
- Documentation Planning
- Risk and Safety analysis
- Supply Chain Analysis
- Environment Impact Analysis
- Staff Operation Analysis
- Resource Analysis
- Energy Consumption and Efficiency Analysis

## COMFORT ANALYSIS



- Internal Environment Quality Analysis
- Visual Comfort & Acuity Analysis
- Audio Acuity and Noise Disturbance Analysis
- Posture and Ergonomic Design Analysis
- Thermal comfort & Quality Analysis
- Mental Health Promotion Analysis
- Stress Free Environment Analysis

## SERVICES WE OFFER

- We do SWOT analysis for every aspect of project.
- Almost all of the threat scenario & mitigating factors are identified and analyzed.
- Multi approach step by step strategy and action plan is proposed for best outcome.
- All the potential benefits are weighed against potential risk and threats.

S — STRENGTH

W — WEAKNESS

O — OPPORTUNITY

T — THREAT

PLANNING  
STAGE  
PROJECT  
CONCEPTUALISING



LAND WORKS

1

PERMITS & LICENSES

2

LAND PREP SERVICE

3

OPERATIONAL PLAN

4

FIRST STEP TOWARDS MAKING  
YOUR PROJECT A REALITY

LANDWORKS

We meticulously analyze & study the land before recommending it to the client for purchase.

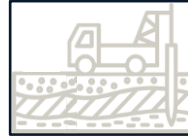
After analyzing multiple factors, we run detailed models & Simulations for multiple scenarios, which help us in better planning, also enable us to develop reliable and sustainable Building.



SOIL ANALYSIS



FLOW ANALYSIS



GEOLOGICAL SURVEY



TRADITION SURVEY



SOLAR IR ANALYSIS



WIND ANALYSIS



OWNERSHIP ANALYSIS



RISK ANALYSIS



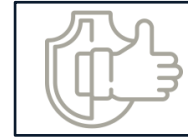
FINANCIAL PLANNING



DOCUMENT PREPARATION



BUILDING PERMITS



SECURING AND DEMARKING SITE

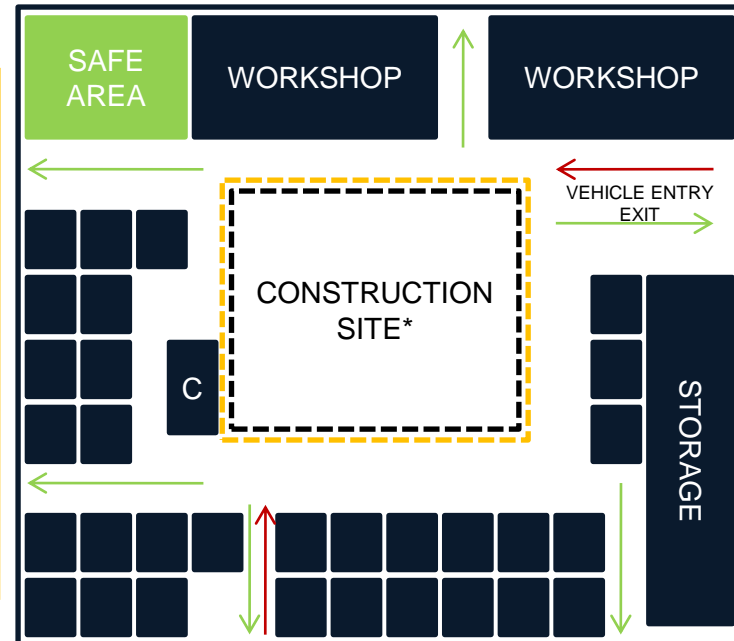
PERMITS & LICENSES

- CENTRAL LICENSES
- STATE LICENSES
- LOCAL LICENSES
- GRID ACCESS LICENSE
- ENVIRONMENT CLEARANCE
- LOCAL BODY NOC
- LAND DOCUMENTATION
- SAFETY CERTIFICATION

LAND PREP SERVICES

- LAND COMPACTION
- SOIL ANALYSIS & TESTING
- WATER ANALYSIS
- TEMPORARY TRANSIT ROAD
- TEMPORARY ELECTRICITY CONNECTION
- STORAGE AREAS & SHED
- TEMPORARY WATER LINE

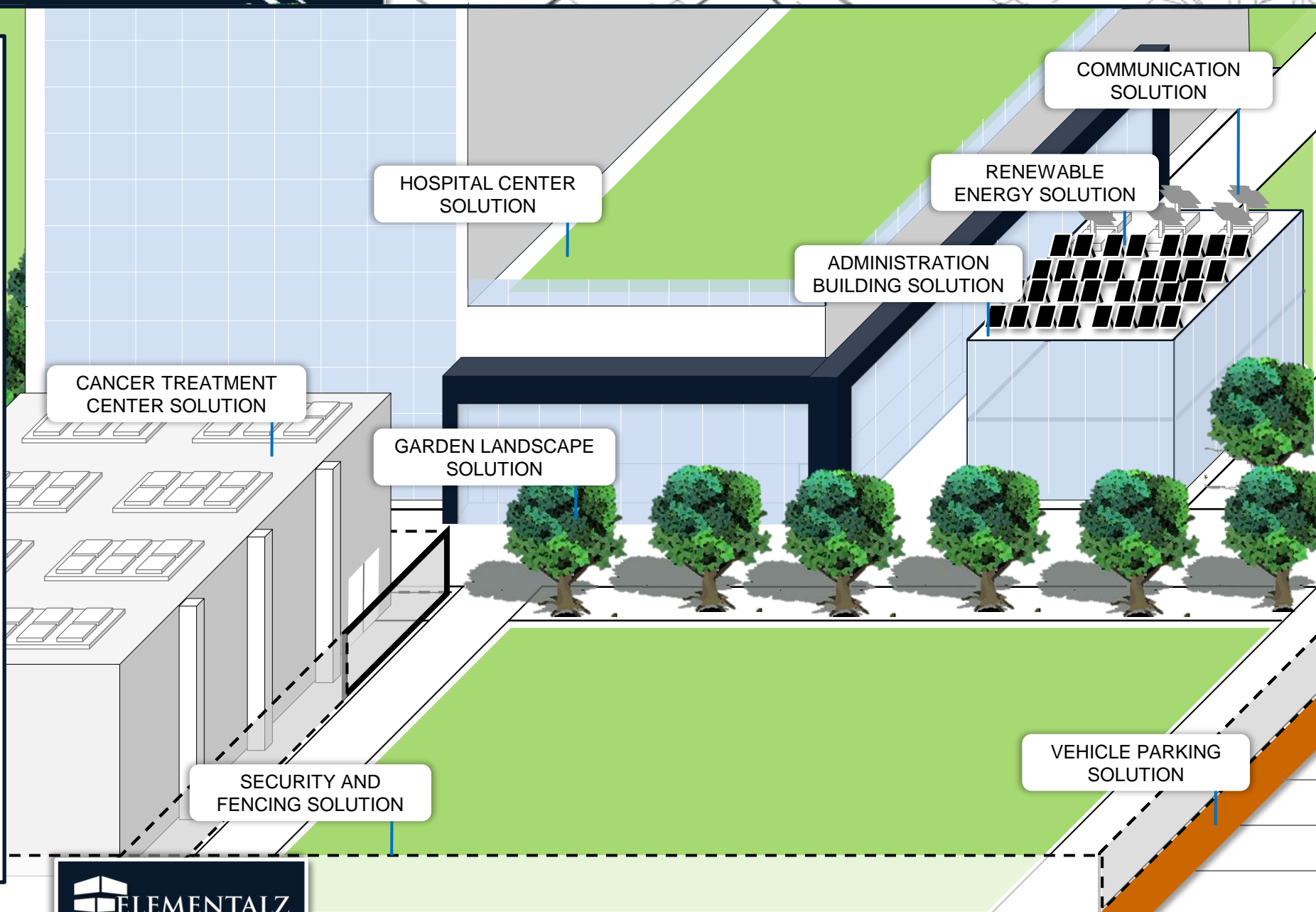
OPERATIONS PLAN



\* Not an actual plan, just artwork.



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COMMUNICATION  
SOLUTION

HOSPITAL CENTER  
SOLUTION

RENEWABLE  
ENERGY SOLUTION

ADMINISTRATION  
BUILDING SOLUTION

CANCER TREATMENT  
CENTER SOLUTION

GARDEN LANDSCAPE  
SOLUTION

SECURITY AND  
FENCING SOLUTION

VEHICLE PARKING  
SOLUTION



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## 360° SOLUTIONS

## BEST TEAM

DIVERSE TEAM OF  
EXPERIENCED EXPERTS

## BIM

BUILDING INFORMATION  
MODELLING

## 6 YEARS

SERVICE GUARANTEE

We have a team of experienced Architects, Engineers, Environmentalists and Designers. With years of experience under the belt, who have designed complete 360 solution for various Healthcare facilities and Medical Institutes.

Our Engineering solutions provide everything from Architect designing, Engineering, Planning of project to Complete Construction of the project. With Our expertise in Building information modeling we can design Buildings that are efficient to operate all the meanwhile easy to maintain with minimal to no Downtime.

In our effort to provide better solutions to our clients and promote better health in our society we have allied with many financial institutions and investors to provide Project Financial options that are custom made for Healthcare sector.

Solutions provided by Elementalz Inc. use state of the art components ranging from Sturdy building material to AI based software to modern interior materials, Which make building more efficient & more reliable with minimal impact on the environment.

## PROJECT FINANCIAL OPTIONS



CAPEX OPTION



OPEX OPTION



LOAN OPTION

## SERVICES WE OFFER

- Architectural Designing Services
- Interior Design Services
- Green Building Design Services
- Landscape Design Services
- Medical Unit(s) Design Services
- Technology R&D Services
- Light Design Services
- Access/Usage Design Services



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Playbook page.

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Using Laptop or desktop  
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[www.elementalzindia.com](http://www.elementalzindia.com)



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VENTILATION  
SOLUTIONS

LIGHT DESIGN  
SERVICES

GREEN BUILDING  
SERVICES

INTERIOR DESIGN  
SERVICES

NATURAL AIR FLOW

FURNITURE DESIGN  
SERVICES

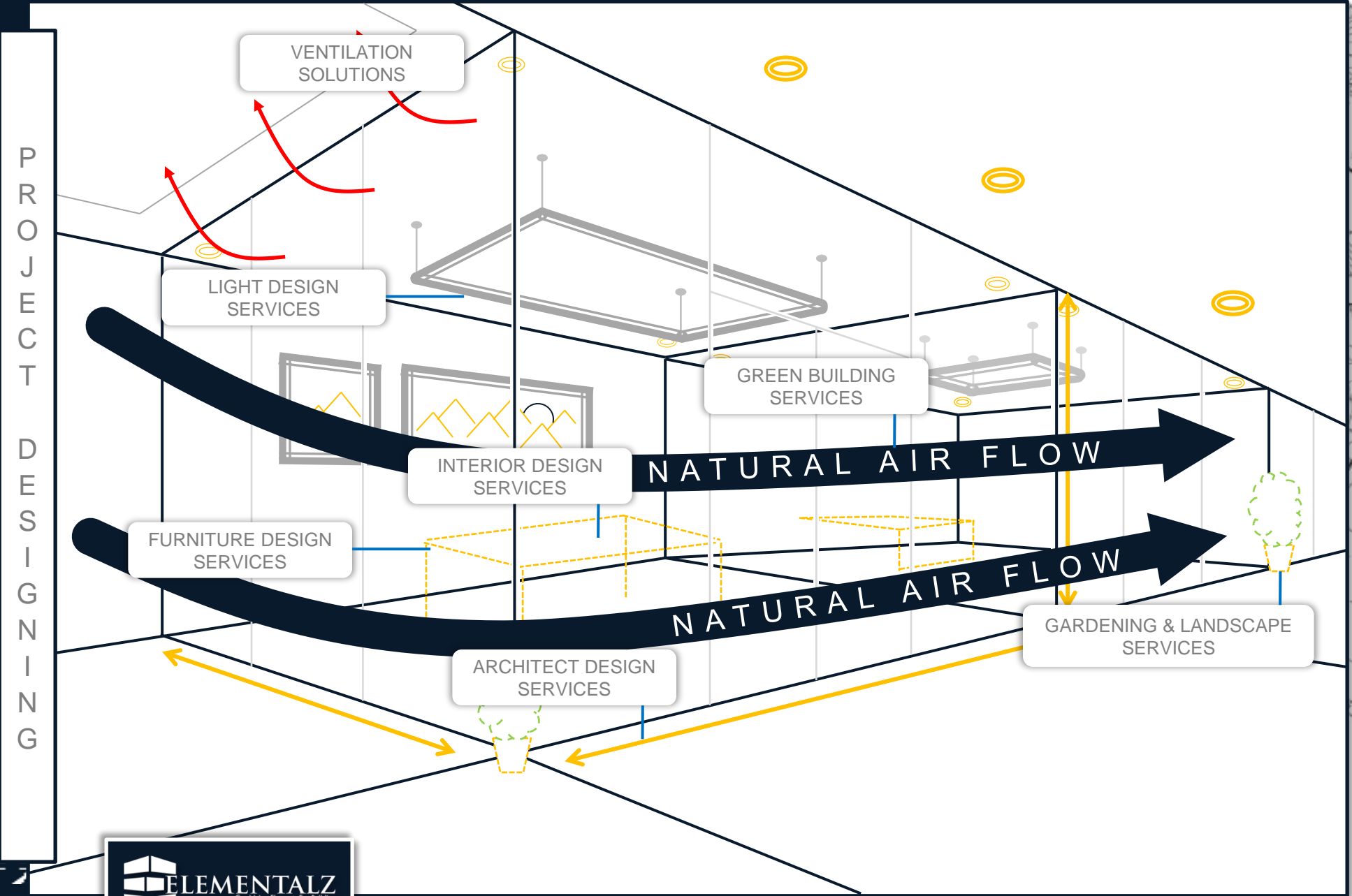
NATURAL AIR FLOW

GARDENING & LANDSCAPE  
SERVICES

ARCHITECT DESIGN  
SERVICES



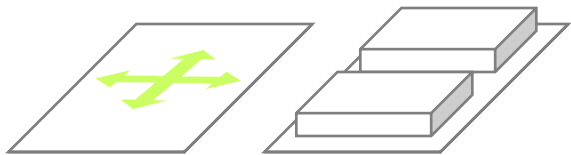
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## ARCHITECT DESIGN SERVICES

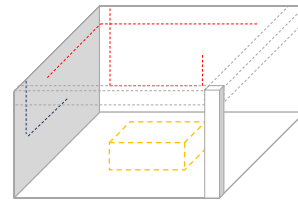
- With the team of experts that have years of experience in designing & developing various Healthcare facilities and Medical institutes.
- We develop building design that reflect, connect & accentuates the healing capabilities of facility. Our Design include all of the modern amenities & solution that make the building efficient, green, reliable, safe & comfortable.



## INTERIOR DESIGN SERVICES

- Using state of the art computers & software we design interior of Healthcare facility that is good for the facility and also improve morale, promote positive healing attitude in patients, improve mental health and promote a sense of security/safety in patients, Doctors and medical staffs.

- Furniture Outline
- Water Line
- Power Line



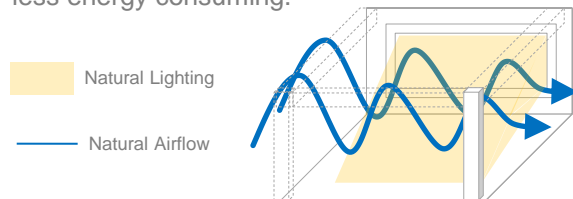
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PLANNING  
PROJECT  
DESIGNING

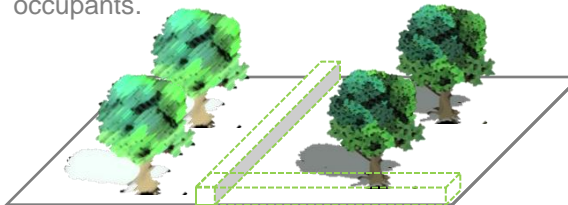
## GREEN BUILDING SERVICE

- To combat climate change, reduce impact on environment & improve efficiency of the building all the while improving Internal environment of the building.
- Our Solutions improve Natural lighting, Natural flow of air & passive cooling of building making it less energy consuming.

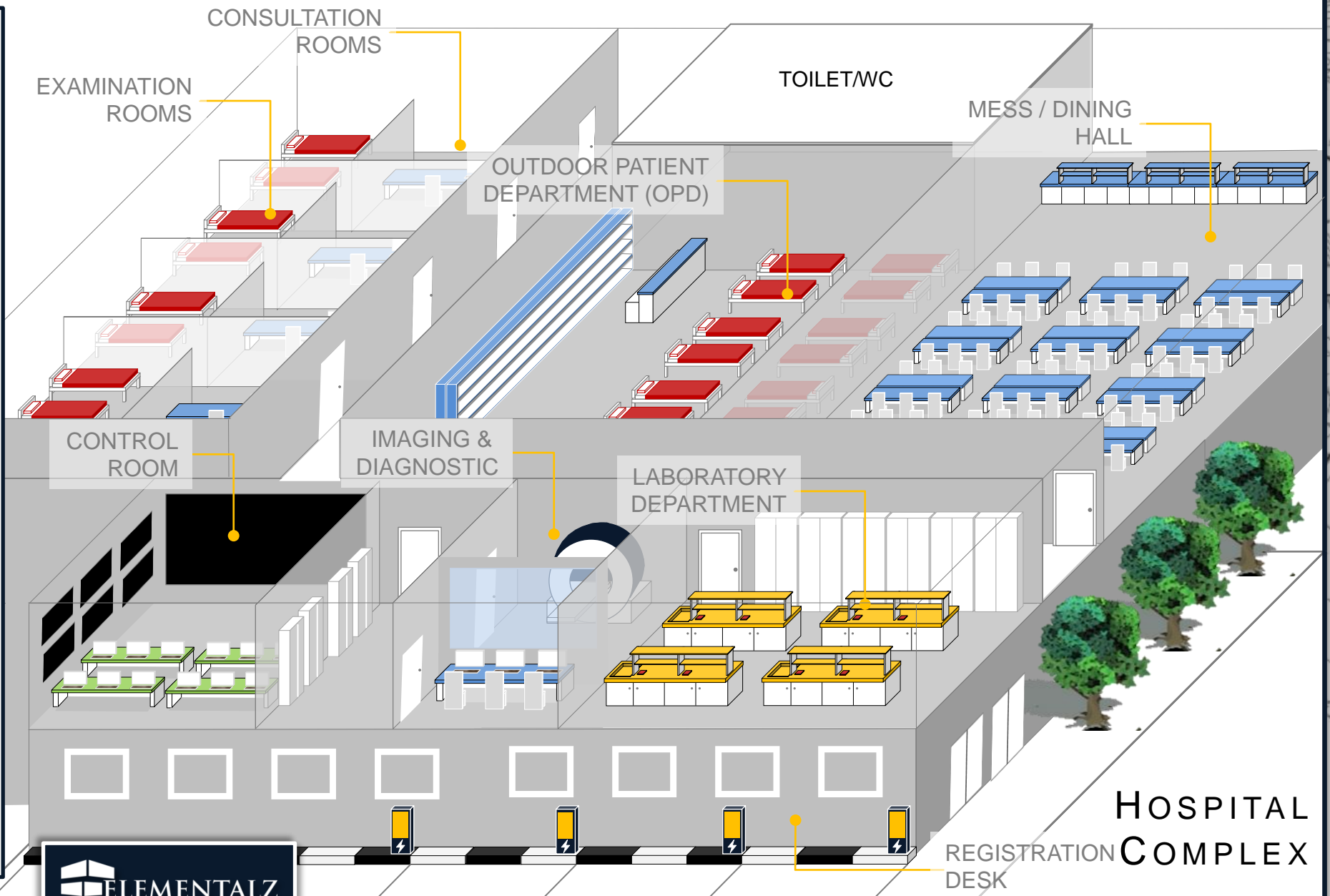


## LANDSCAPE DESIGN SERVICE

- Green surrounding play a crucial role in creating a positive environment that fosters & promote positive healing attitude in patients, imbibe sense of calmness, improve indoor air quality and improve over all mood of the interior space. It also promote friendly interaction between the occupants.



HOSPITAL SOLUTIONS



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## COMMON AREAS

- Lobby and corridor areas
- Reception desk with Waiting areas
- Toilets areas (M/F/T)
- Exit Ways and Staircases
- Consultancy Rooms
- Canteen and Mess
- Billing Department
- Dignity Exit Lobby
- External Walkways
- Garden and Landscape
- Pharmacy (Front end)

## CRITICAL AREAS

- Operation Theatre Areas
- Intensive Care (ICU / NICU / MICU)
- Recovery ( Burn / Procedure / Clean)
- Isolation ( Bio / Non Bio Quarantine)
- Response Center
- Bio Hazard Disposal Center

## IMPORTANT AREAS

- Examination Areas
- Emergency / Trauma center / Casualty
- Procedure Areas
- Treatment Centers
- Patient Wards (Gen. / Semi. / Pvt.)
- Laboratories
- Blood and Tissue Center
- Diagnostic and Imaging Center
- Nurse Stations
- Doctor Rooms

## AUXILIARY AREAS

- Store (Inventory and Cold Storage)
- Engineering (MEP / BES / MPG)
- Administrations Areas
- Waste Disposal Areas
- Laundry and Facility Mgmt. Area
- Kitchen
- Academic (Auditorium / Conference )
- Pharmacy (Backend & Corporate)
- Offices
- Control Center

## SERVICES WE OFFER

- Architectural Designing Services
- Interior Design Services
- Green Building Design Services
- Landscape Design Services
- Medical Unit(s) Design Services
  - Design consideration
  - Department consideration
- Technology R&D Services
- Light Design Services
- Access/Usage Design Services

PLANNING  
PROJECT  
DESIGNING  
STAGE



# PARAMETERS FOR BENCHMARKING



## SAFE SPACE & ENVIRONMENT

Safe spaces are crucial for healing of both mind & body. It helps the patient and the body to focus on healing. Crucial elements of designing spaces that feel safe vary from person to person but are a combination of light, texture, Air, Odour, visual aids and feedbacks.



## SECURE ENVIRONMENT

Secure Environments are a crucial element for healing of both mind & body. Secure environment consist of elements in combination of acoustic & physical protection, Visual Shielding, Air Filtration, Fire and hazard protection. Solution to mitigate negative influencing factor



## OCCUPANT COMFORT

Comfort of patients, staff and auxiliary personnel is key concern when designing hospitals' internal spaces. Elements that determine the comfort of occupant are a combination of visual comfort, operational comfort, thermal and acoustic comfort.



## PRIVACY PROTECTION

Privacy protection plays a huge role in Hospitals because it makes patient comfortable enough to open up & connect with doctors. Privacy protection is accomplished by combination of sturdy partition, visual & acoustic barriers, comfort seating arrangement.



## INDOOR ENVIRONMENT

Indoor Environment quality plays a major role in making any internal space likable, liveable and comfortable for occupants. This is done with a combination of Air Filtration, Climate control, Visual planning, Light Engineering and Ergonomic furniture.



## HYGIENE CONDITION

Hygiene is very important in any healthcare facility. We obtain maximum hygienic condition using a combination of proper surface material selection, filtration of air and water, Max. cleanable surface plan.



## DIGNITY PROTECTION

Dignity is everyone's right & it needs to be protected specially when someone is vulnerable. We enable dignity protection by using combination of Building Info. Modelling, dignity partition plan, morale planning, Dignity lobby and exit planning, equipment planning.



## ACCESS

Access for all without barrier or judgement irrespective of their gender, caste, sexual orientation, differently abled, special needs, etc. We enable access for all through design of proper facilities, integration of various elements like seating, etc. with widely accepted values

## SERVICES WE OFFER

- Architectural Designing Services
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	COMMON AREAS	IMPORTANT AREAS	CRITICAL AREAS	AUXILIARY AREAS
SAFE SPACE & ENVIRONMENT	Green	Yellow	Red	Green
SECURE ENVIRONMENT	Green	Yellow	Red	Yellow
OCCUPANT COMFORT	Yellow	Yellow	Red	Green
PRIVACY PROTECTION	Green	Yellow	Red	Green
INDOOR ENVIRONMENT	Red	Red	Red	Green
HYGIENE CONDITION	Yellow	Yellow	Dark Blue	Yellow
DIGNITY PROTECTION	Red	Yellow	Green	Green
EASE OF ACCESS	Yellow	Green	Green	Red



LOW PRIORITY      MODERATE PRIORITY      HIGH PRIORITY      EXTREME PRIORITY

NOTE: There may be variation as per customer, type and location of Healthcare Unit. Data given for better understanding of Healthcare only and is not legally binding for Elementalz Inc. Personnel safety is most important, data given should not be interpreted in any other way.



## SMART HEALTH SOLUTIONS

### SMART DISPLAY SOLUTION

Full wide display solutions with state of the art display OLED & other best in market, matrix for sharp & clear Image projections. Combined with state of the art audio solution that provide crystal clear, uninterrupted, enhanced, communication.

### INTERACTIVE UIX SOLUTION

All of Our solutions have AI driven interactive User interface for Patients, Doctors and other facility professionals which not only improves healing but also enable more hands on approach to healing possibilities of both mind and body.

### AI ENABLED HEALTH CARE SOFTWARE

Hospital are free to select Healthcare assist software as per treatment philosophy but we have partnered with some of the cutting edge leaders in AI and technology to bring you AI driven Healthcare assist software that has digital twin capabilities along with access to most up to date database of treatments & protein interaction.

IPD | CASUALTY | TRAUMA | ICU | NICU | ICCU | SECLUSION

### STRUCTURING THE PHYSICAL SPACE

Depending on the age of the Patients, Healing philosophy, Healing planning & social norms, We can design the patient units to match and satisfy all the factors. Everything from color, texture, materials, shape(bespoke design) of furniture and other items are developed to promote Healing and foster confidence in the establishment and improve faith in Staff. with minimal distraction

Room arrangement | Seating | Bulletin boards | Displays | Physical Climate

### STRUCTURING THE HEALING SPACE

It is important to have well design healing space that reduces visual discomfort and fosters positive feeling in patient along with promote confidence in self and doctors. Coupled with creative solutions that make internal environment conducive to healing and these solutions are not only resilient but sustainable from business and Environment aspect.

Safe | Privacy | Peaceful | Hygienic | Healthy | Durable | Secure | Comfort

### STRUCTURING THE MEDICAL PRACTICE SPACE

Healthcare is currently a labor intensive process that requires huge number of both medical and non medical staff for working. We intend to create an environment that fosters a sense of belonging in the staff, instills sense of duty in staff towards patients & propagate loyalty among staff toward Healthcare Establishment. Our solutions also improves communication among staff.

Patient Observation | Individual accountability | Patient-staff Connection

### SPACE THAT FORSTERS:



TRUST



CONFIDENCE



CONNECTION

## SERVICES WE OFFER

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### SMART HEALTHCARE SOLUTIONS:

- SMART DISPLAY SOLUTION
- INTERACTIVE UIX SOLUTION
- AI POWERED HEALTHCARE SOFTWARE

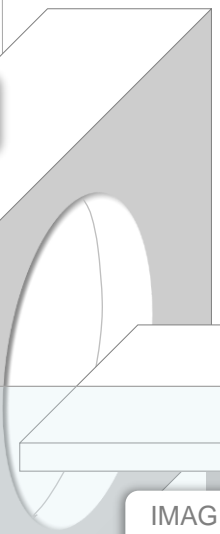
HEPA ENABLED HVAC SOLUTIONS



PROTECTION LINED WALL SOLUTION.



DIAGNOSTIC EQUIPMENT SOLN.



CENTRAL VACUUM SOLUTIONS

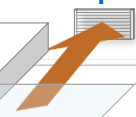
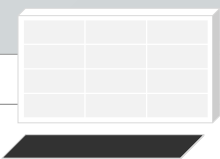


IMAGE PROCESSING SOLUTIONS



## DIAGNOSTIC UNIT(S) SOLUTIONS

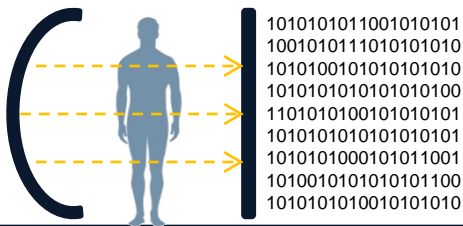


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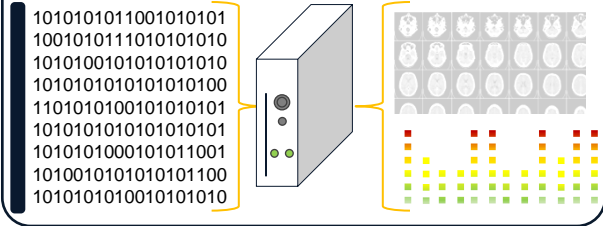
## IMAGING EQUIPMENT PLANNING SERVICES

Imaging Equipment planning plays an important role in ensuring safe operation and maintenance of imaging equipment. We work closely with OEM & Healthcare professional to ensure best possible design and placement of Imaging equipment.



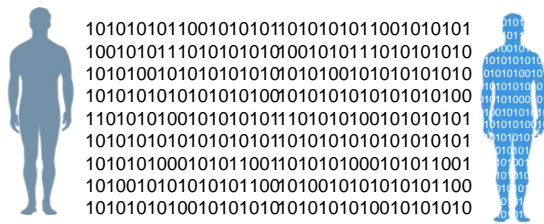
## IMAGE PROCESSING SOLUTIONS

Using state of the art computers, advance modelling software & data collected from various sensors, data points and panels. Then this data is processed into understandable data to be used for diagnosis. We select best possible processing unit based on past performance.



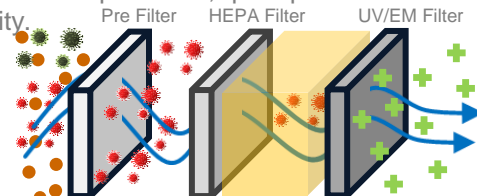
## MEDICAL DIGITAL TWIN DEVELOPMENT SOLUTIONS

Using state of the art computers, advance modelling software & data collected from various sensors & solutions, our solutions develop digital twin of patient which helps in diagnosis as well helps AI assistance in keeping track of patient and there prognosis.



## HEPA AIR FILTRATION SOLUTIONS

Cross infection is a serious concern in Hospitals to reduce the risk of cross infection, combination of various technology is used most common is HEPA filter configuration But many a time for better result UV/EM system might be added as well. Selection of system for Air filtration is done based on requirement, past performance & OEM quality.



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AUXILIARY ROOM &  
AREA SOLUTIONS

PANEL LINED WALL  
SOLUTION.

HEPA ENABLED  
HVAC SOLUTIONS

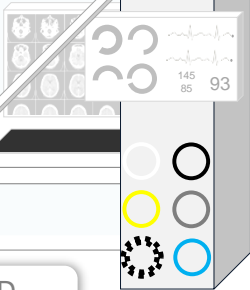
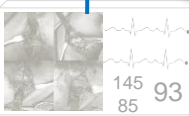
CEILING MOUNTED  
BASE SOLUTION.

ROOF MOUNTED  
MGP SOLUTIONS

SMART HEALTH  
DISPLAY SOLUTIONS

CEILING MOUNTED  
LIGHTING SOLUTION.

CEILING MOUNTED  
CAMERA SOLUTION.



ASSISTANCE  
STATION SOLUTION

SURGICAL BED  
SOLUTIONS

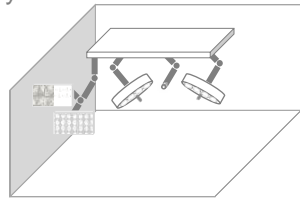
# SURGICAL UNIT(S) SOLUTIONS



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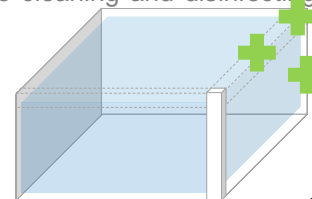
## CEILING MOUNTED EQUIPMENT PLANNING SERVICES

To provide ease of access and better mobility in an internal space, ceiling mounted equipment are the best possible choice as they eliminate clutter on ground and also reduce the risk of spilling over or falling over accidents in high stress situations. We meticulously plan equipment placement there by reducing the risk of system clash.



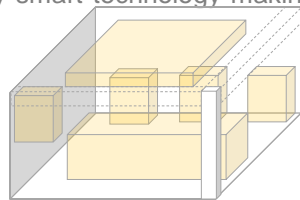
## SURGICAL UNIT HYGIENE PLANNING SERVICES

Hygiene planning is a very important and critical element to be considered when designing any surgical unit(s). Best possible Hygiene of surgical unit is generally achieved by precise combination of multiple factors from air filtration, to leak proof and non absorbing surface, preventing of location that are inaccessible to cleaning and disinfecting agents.



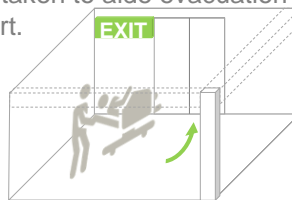
## SURGICAL EQUIPMENT PLANNING SERVICES

Using advance modeling software and years of feedback, we plan equipment so as to minimize clashing of various systems and enable smooth operations along with improved efficiency. We connect with best OEM with proven track record and best quality Equipment. Most of our solution are outfitted with many smart technology making them better.



## EMERGENCY RESPONSE PLANNING SERVICES

Emergency response is a bit different in case of surgical units, because many a times a ongoing surgery makes conventional response redundant. Specific response is planned for emergencies in surgical units from fire fighting to evacuation and other sensitive life support system protection. Special care has to be taken to aide evacuation of patients with life support.



## SERVICES WE OFFER

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CLOAK  
ROOM

OPERATION THEATRE  
ROOM

INSTRUMENT  
ROOM

WASTE  
ROOM

AUXILIARY  
**SURGICAL UNIT(S)**  
**SOLUTIONS**

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## CLOAK ROOM DESIGN AND PLANNING SERVICES

Cloak room is basically a combination of rooms that are responsible for providing all the necessities to doctor or surgeon for the surgery from sanitized clothing, personnel hygiene, sanitizing staff and doctors, It is responsible for many duties like best possible sterilization of personnel, staff and doctors, with handling of used clothing, and other apparels.

Cloak Room

Scrub Sterilization Room

Doctor Scrubbing Station

## INSTRUMENT ROOM DESIGN AND PLANNING SERVICES

Instrument room is a combination of rooms that are responsible for providing all the instruments and equipment required by the doctor or surgeon for the surgery from Instrument packed tray, portable diagnostic equipment and robotic surgical units, etc. It is responsible for many duties like best possible sterilization of instruments & equipment, Health check of instrument and equipment.

Instrument Sterilization Room

Instrument Prep & Store Room

Instrument Staging Station

## WASTE MANAGEMENT PLANNING SERVICES

Common platform for multitudes of services that are needed for safe removal of dangerous bio-medical waste and other disposable items whose handling is very critical. These sections are used by personnel to safely discard bio medical waste, clean instrument and dispose off any other waste including destruction of many items like needles and other consumables.

Bio- Medical Waste Collection

Disposal Waste Collection

Used Instrument Collection

## UNIT WORK FLOW PLANNING SERVICES

Using Building information modeling, Digital twin and process flow, we suggest efficient & effective process planning & if client agree we also design the unit to match & support the work flow pattern. Using centrally unified process area reduces cost, improve efficiency and make the processes much more safer with exception to extreme cases.

Building Information Modelling

De cluttered Flow Plan Services

Upgrade Digital Platform

## SERVICES WE OFFER

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### SMART HEALTHCARE SOLUTIONS:

- SMART DISPLAY SOLUTION
- INTERACTIVE UIX SOLUTION
- AI POWERED HEALTHCARE SOFTWARE

HEPA ENABLED  
HVAC SOLUTIONS



ACOUSTIC PANEL  
SOLUTION.



DOCTOR STATION  
SOLUTIONS

CURTAIN/PARTITION  
SOLUTION

CENTRAL VACUUM  
SOLUTIONS

FURNITURE  
SOLUTION

PATIENT  
EXAMINATION SEAT

EXAMINATION BED  
SOLUTIONS

EXAMINATION  
ROOM SOLUTION

## EXAMINATION UNIT(S) SOLUTIONS



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## EXAMINATION ROOM PLANNING SERVICES

Examination rooms is a place where a patient should feel safe, sense of privacy and promote a sense of comfort with the doctor. Various types of room are needed depending on the department they serve. With multiple design options and scores of medical equipment that can be added to examination room, a lot of doctor's feedback is taken and tentative demographic pool of probable users is also determined based on the feedback from the doctor. Using Building information modeling, Digital twin and process flow, we suggest efficient layout based on feedback from doctor. Allowing for a more cohesive examination room which is better suited for patients and promote morale in medical staff along with doctor, thereby improving their efficiencies and performance.



OB GYN



CARDIAC



MEDICINE



SENSORY



DENTAL



ORTHO.

## DOCTOR ROOM PLANNING SERVICES

Doctors and medical staff spend a lot of time in this room, Planning for Doctor's room is done after taking a lot of feedback from the doctor and special care is taken to accommodate his or hers requirements. Occupant comfort is planned carefully with focus on both patient and the doctor along with medical staff. Doctors' room also have greater privacy & also provide suitable isolation.

Patient  
Comfort  
Planning

Doctor  
Comfort  
Planning

Mixed  
Storage  
Units

## WAITING ROOM PLANNING SERVICES

For more Information contact our sales and project team.

Comfortable  
Furniture  
Selection

Suitable  
Lighted  
Space

Occupant  
Comfort  
Planning

## SERVICES WE OFFER

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EXHAUST AIR  
SOLUTIONS

MODULAR STORAGE  
SOLUTIONS

CHEMICAL FIRE  
FIGHTING SOLUTION

ELECTRIC HEATING  
SOLUTIONS

WATER & PLUMBING  
SOLUTIONS

CHEMISTRY KIOSK  
SOLUTIONS

# LABORATORY UNIT SOLUTIONS



DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN



IMMUNOLOGY  
LABORATORY

BIOCHEMISTRY  
LABORATORY

MICROBIOLOGY  
LABORATORY

HEMATOLOGY  
LABORATORY

TOXICOLOGY  
LABORATORY

MOLECULAR  
LABORATORY

VIROLOGY  
LABORATORY

SEROLOGY  
LABORATORY

PATHOLOGY  
LABORATORY

COLD  
STORAGE

AUXILIARY  
STORAGE

## SERVICES WE OFFER

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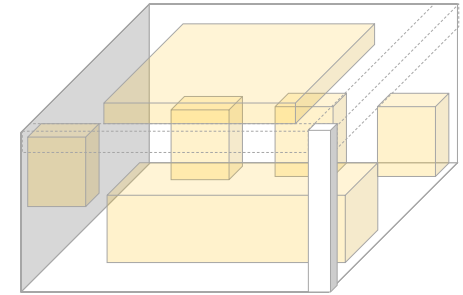
Every Medical Facility needs special units that help to increase its effectiveness and provide multitude of advance treatments to the patients thereby increasing the overall performance of the medical facility.

These special units have their own design unique challenges and specific requirements. We work with diverse team of professionals who collectively design the special units.

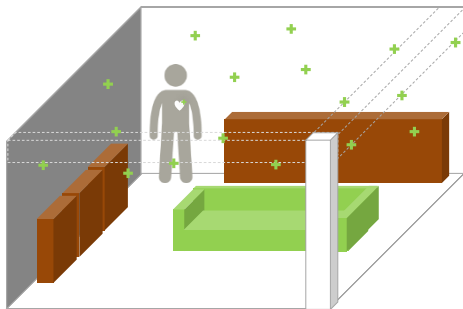
Doctor and Hospital Feedback is always given utmost importance when designing the unit. Using feedback along with our knowledge & experience we develop the best possible design of special units.

- BURN UNIT
- ISOLATION UNIT
- QUARANTINE WARD
- ONCOLOGY DEPARTMENT
- CATHETERIZATION LAB
- COMA WARDS

### SPECIALTY UNITS



### MEDICAL STAFF UNITS



- DOCTOR COMMON ROOM
- DOCTOR CLOAK ROOM
- NURSE STATION
- STAFF RESTROOM
- STAFF MESS HALL
- STAFF CLOAK ROOM

Medical staff and doctors are the driving force of the Healthcare system, they are the crucial element that keep the medical facilities running. Hence special care has to be taken ensure health and mental well being of Doctor and medical staff.

Areas dedicated to taking care of medical staff and doctors plays a crucial role in improving morale, promote health and mental well being of Doctors and medical staff.

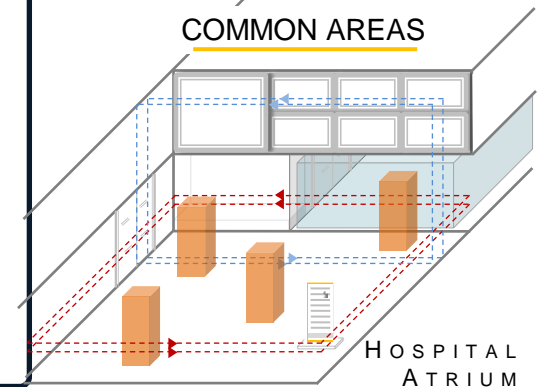
Hospital, Doctor and medical staff Feedback is always given utmost importance when designing the Medical staff units. Using feedback along with our knowledge & experience we develop the best possible design of medical staff units.

Common area are some of the most heavily used and occupied areas of any hospital unit. They are the areas that connect various sections and departments of the hospital.

Maintaining comfortable environment for the occupants with max. energy efficiency is a challenge. Using Advance technologies and experience of professionals from multiple fields, we develop best possible design that makes the common area comfortable with max. energy efficiency. With in-depth path planning we can also optimize placement of various departments, areas & sectors thereby improving experience of patient & that of Medical staffs.

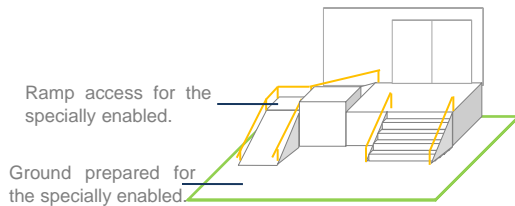
- RECEPTION AREA
- COMMON LOBBIES
- WAITING AREA
- CAFETERIA ZONE
- DIGNIFIED EXIT LOBBY
- CONFERENCE ROOMS

### COMMON AREAS



## ACCESS/USE DESIGN SERVICE

- All of our design are made with specially abled in mind, providing them with access to every layer possible. With special focus on uplifting mood and morale of the Patients and staff.
- Non-trust architecture ensure safe environment for the patients to protect them from harm both of physical nature and mental kind.



## LIGHT DESIGN SERVICE

- To combat climate change, reduce impact on environment & improve efficiency of the building all the while improving Internal environment of the building.
- Our Solutions improve Natural lighting thereby imbining positive energy in wards and places thereby promoting positive attitude in patients and improve moral of staff.



## TECHNOLOGY R&D SERVICE

Depending on the Medical Facilities' philosophy, type, specialty, geography, Patient demography and many other factors, No one single design can be made to fit them all and satisfy all the variables. We pride ourselves on satisfying the maximum number of variables by making custom design tweaks that satisfy the maximum number of variable in the Medical Facilities.

With archive of thousands of materials, colors, textures, strategies and much more, we can combine and plan best combination that suits the needs.

Over the years we have compiled a list of OEM who have proven track record whose solutions are economical to operate, Reliable to use and Resilient. Our design solutions incorporates latest like the building automation and AI, also imbibe principles learned from Ayurved, promote Positive healing environment to inspire a positive attitude in patients thereby improving the overall healing of patients.

Our thorough Research & Development allow us to make design & develop buildings that promote healing by inspiring positive attitude in patients. Doctor feedback is vital & always taken into R&D consideration to ensure morale boost of the medical staff along with improving the efficiency of the Healthcare facility..

## SERVICES WE OFFER

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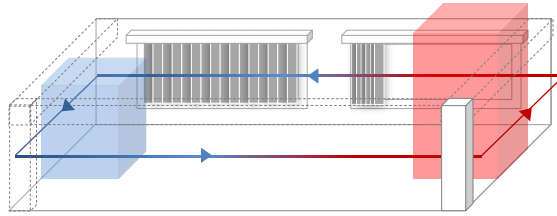


## SERVICES WE OFFER

- Internal Environment Planning
- Bespoke Product Designing
- Quality Comfort Planning
- Tensile Engineering & Designing
- Safety & Security Planning
- Visual Comfort Planning
- Building Simulation Services
- Emergency Design Services
- Zero Trust Architecture Planning

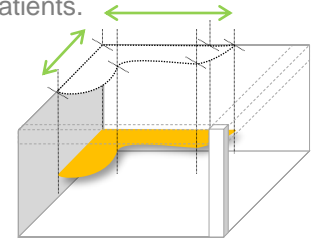
### INTERNAL ENVIRONMENT PLANNING SERVICES

Using state of the art computers & 3D software we develop detailed 3D models that help us determine the best possible design and solution for the best possible Internal Environment quality. It prevents discrepancies in internal environment like Lighting, Climate control and Humidity.



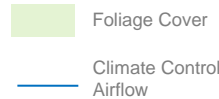
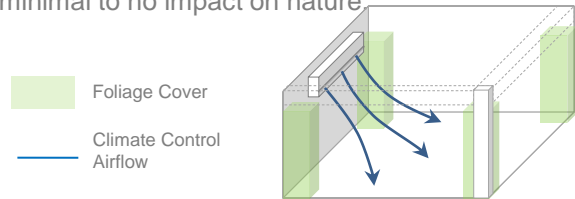
### BESPOKE PRODUCT DESIGNING SERVICES

Brands obtain retention and reputation through unique experiences, we design unique furniture and interiors that stand out ensuring unique, and comfortable, environment with good experience thereby supporting reputation buildup & fostering positive memories in patients.



### QUALITY COMFORT PLANNING SERVICE

Air flow and internal climate control is essential for making any space habitable & comfortable for occupants which boosts morale, creativity, cognitive ability, and foster sense of safety. With sustainability as a core policy design solutions that enable comfortable internal environment with minimal to no impact on nature.



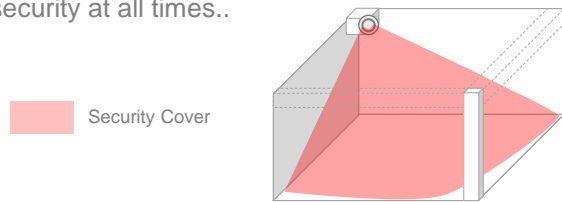
### TENSILE ENGINEERING AND DESIGNING SERVICE

High Tensile Fabrics have become an important part of modern construction which allows space to be more sustainable by allowing space to be connected to natural elements thereby reducing energy consumption and also allow occupant to connect with nature more thereby improving mental health and well being.



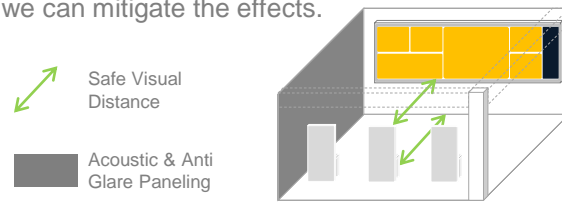
## SAFETY & SECURITY PLANNING SERVICES

Safety & security of occupants of the building is a top priority while designing any living space, to mitigate threats and risks we incorporate many safety and security feature/ counter measure into our designs and as per threat level even design zero trust architecture which ensure heightened security at all times..



## VISUAL COMFORT PLANNING SERVICES

Visual comfort and safety is an important aspect of modern building design pattern because it increases protection of occupants from long term damage to eyes and other senses arising from continues exposure to A-V solutions beyond safe limits. Using limiters and other design parameter we can mitigate the effects.



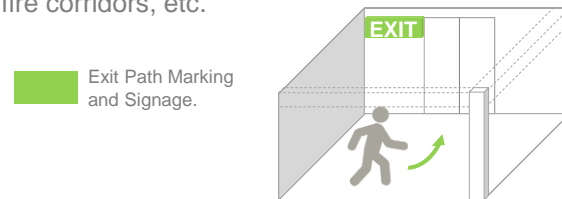
## BUILDING DIGITAL TWIN SERVICES

Using state of the art computers, advance modelling software and huge array of sensors, we develop digital twin of building and all of its components which can be used to trouble shoot problem in the building & also be used to improve efficiency of the building.



## EMERGENCY EVACUATION DESIGN SERVICE

Despite best counter measure, threat to safety of the occupants increases beyond the capabilities of the counter measure, in that case swift exit from the building is crucial, we try incorporate maximum and latest solutions for swift exit from the building from lit pathways to drop chutes to fire corridors, etc.

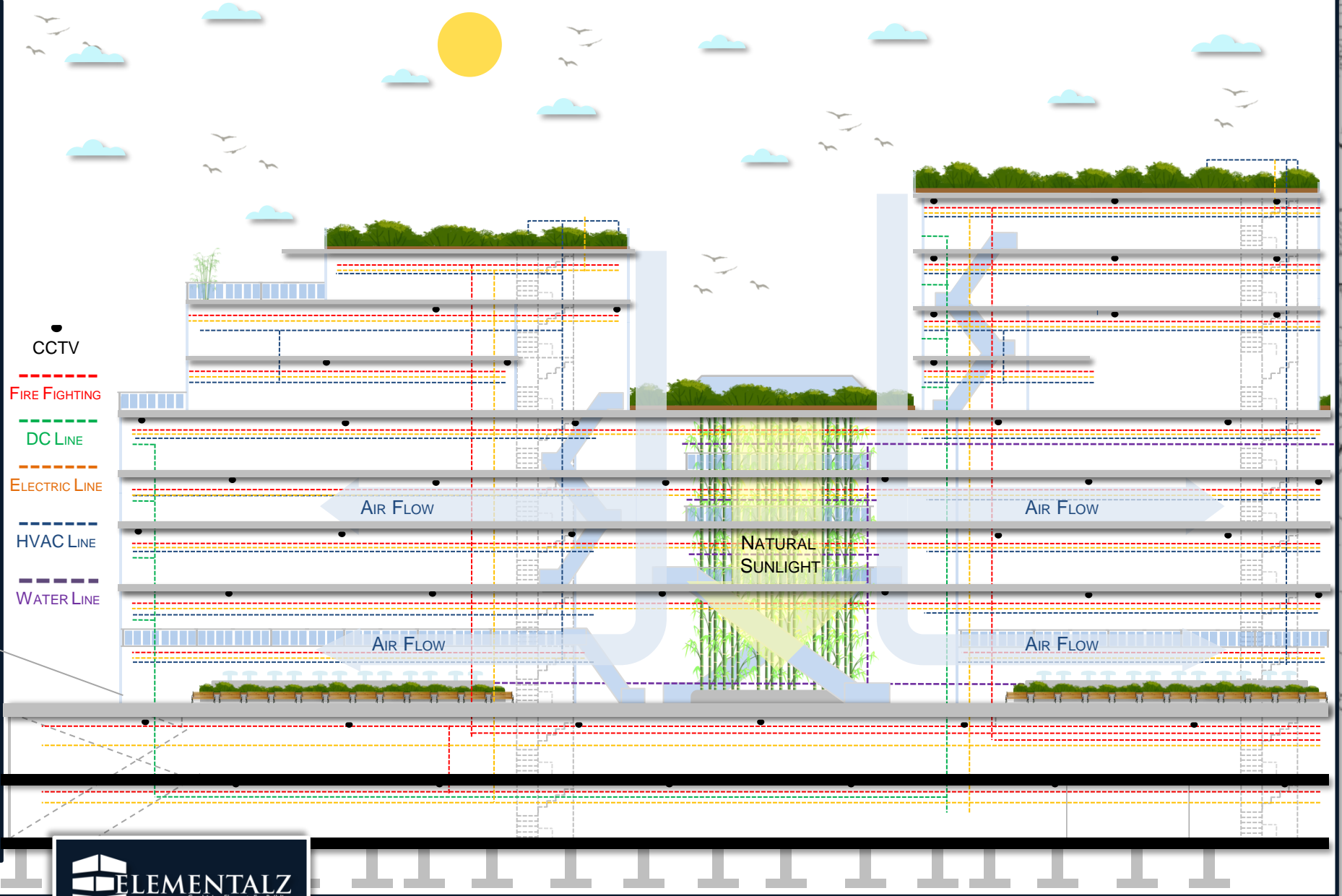


## SERVICES WE OFFER

- Internal Environment Planning
- Bespoke product Designing
- Quality Comfort Planning
- Tensile Engineering & Designing
- Safety & Security Planning
- Visual Comfort Planning
- Digital Twin Services
- Emergency Design Services
- Zero Trust Architecture Planning

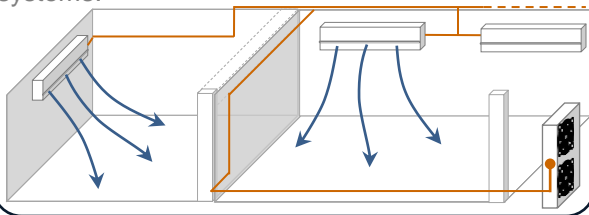


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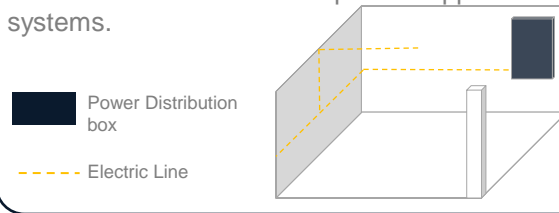
## MECHANICAL ENGINEERING SERVICES

We offer HVAC design solution that are reliable, up to 70% energy efficient as compared to conventional HVAC systems, easy to operate and using Building information modelling we ensure maintenance of the unit is as hassle free as possible with minimal to no affect on other systems.



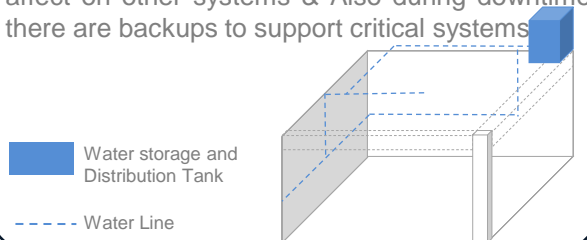
## ELECTRICAL ENGINEERING SERVICES

Using years of experience we design and develop electric grid that is resilient, efficient, safe to operate & reliable. Using Building information modelling we ensure maintenance of the grid is as hassle free as possible with minimal to no affect on other systems and Also during downtime there are backups to support critical systems.



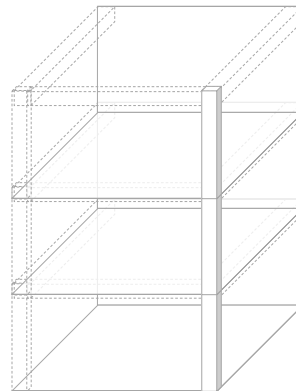
## PLUMBING ENGINEERING SERVICES

Using years of experience we design & develop plumbing system that is resilient, efficient, safe to operate and reliable. Using Building information modelling we ensure maintenance of the system is as hassle free as possible with minimal to no affect on other systems & Also during downtime there are backups to support critical systems



## STRUCTURAL ENGINEERING SERVICES

Using state of the art software & computers we develop structure solutions for buildings that are Economical, resilient, reliable, Eco sustainable to build. By using as much raw material from local sources along with technologies that are good at reducing raw material waste.



## SERVICES WE OFFER

- Mechanical Engineering Service
- Electrical Engineering Services
- Plumbing Engineering Services
- Structural Engineering Services
- Facade Engineering Services
- Fire Fighting Design Services
- Environment Engineering Service
- Renewable Energy Engineering
- Ground Engineering Services
- Mobility Engineering Services
- IT & Digital Engineering Services



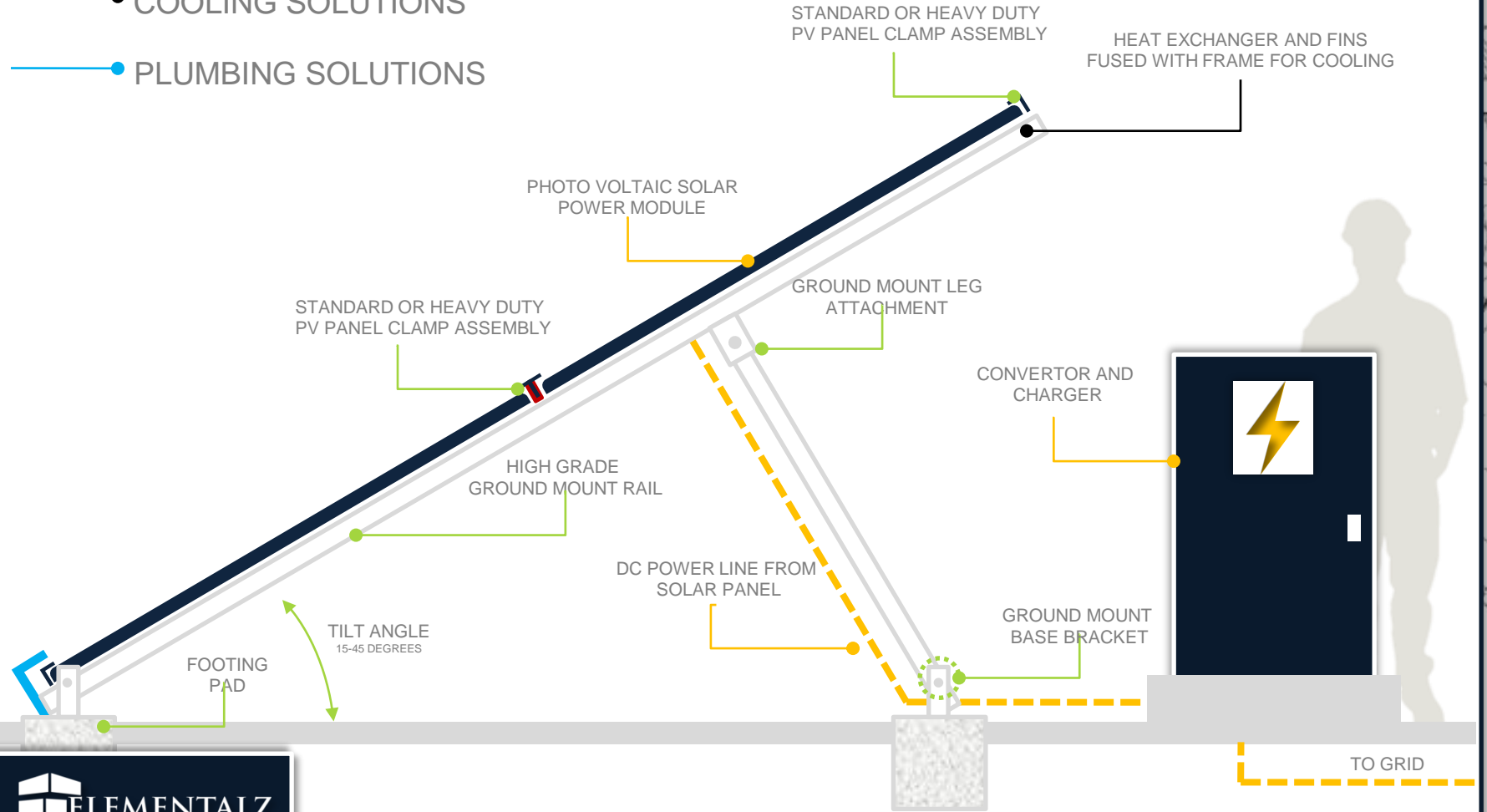
For more Information on our Engineering services please read AEC Services brochure.





# SOLAR POWER PLANT

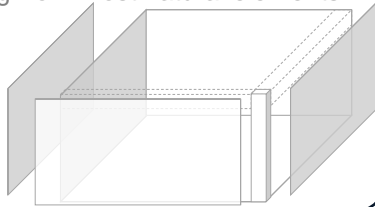
- STRUCTURE SOLUTIONS
- ELECTRICAL SOLUTIONS
- COOLING SOLUTIONS
- PLUMBING SOLUTIONS





## FACADE ENGINEERING SERVICES

Façade is like a skin of the building that provides passive cooling, reduces electrical loss and all the while keep the building thermally sealed. Our design solutions increase the stability, effect radius and durability of the facade layer of the building. Along With sturdy framework façade can protect the building from most natural elements.

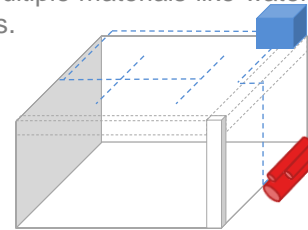


## FIRE FIGHTING DESIGN SERVICES

Using years of experience we have design and developed fire fighting solutions that greatly mitigate the damage done by fire. Our solutions include fire retardants that prevent spread of fire and fire suppressor that stops the fire. Solution designed by us, use multiple materials like water, gas and other materials.

 Fire Water pump

 Fire Water Line



## ENVIRONMENT ENGINEERING SERVICES

Analysis of Byproducts released by human activity and ways along with quantity of measures needed to control or mitigate these byproducts or their effects on nature. Our Environment engineering solutions offer design to development of WTP, STP, ETP, Bio filters, soak pits, Air filtration system, Decarbonisation, recycle units and incinerators.



For more Information please read Environment Engineering brochure.

## RENEWABLE ENERGY ENGINEERING SERVICES

We provide end to end solution from designing to construction of renewable energy power plant. Our services include Building Analysis along with Heat load estimation, solar and wind impact on the structure using Simulation to ensure max. energy efficiency and passive climate control with recycle of resources to obtain requires energy from renewable sources. For more information please read Renewable energy brochure.



## SERVICES WE OFFER

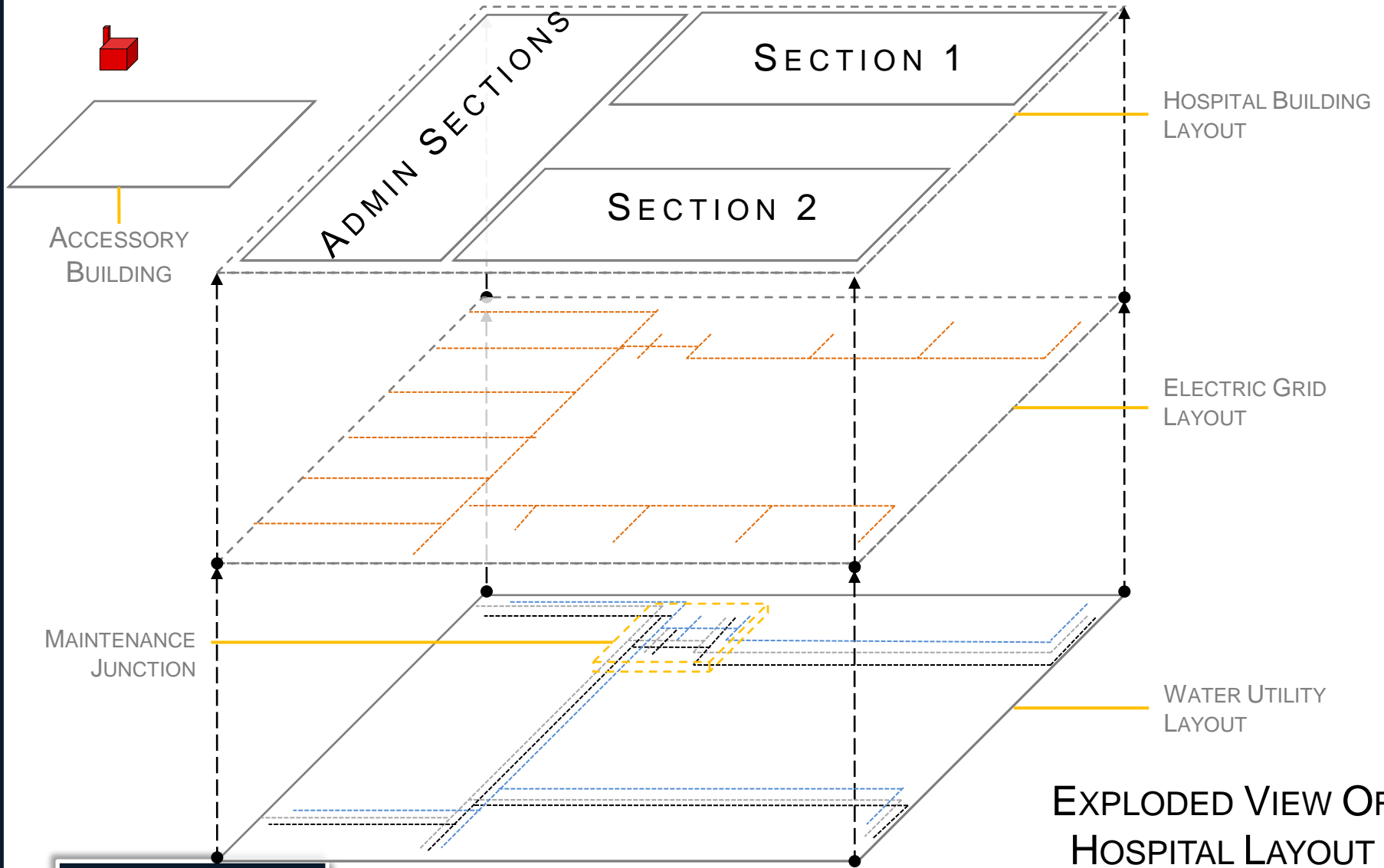
- Mechanical Engineering Service
- Electrical Engineering Services
- Plumbing Engineering Services
- Structural Engineering Services
- Facade Engineering Services
- Fire Fighting Design Services
- Environment Engineering Service
- Renewable Energy Engineering
- Ground Engineering Services
- Mobility Engineering Services
- IT & Digital Engineering Services



For more Information on our Engineering services please read AEC Services brochure.

PLANNING STAGE PROJECT ENGINEERING

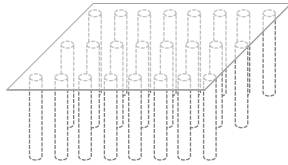




EXPLODED VIEW OF HOSPITAL LAYOUT

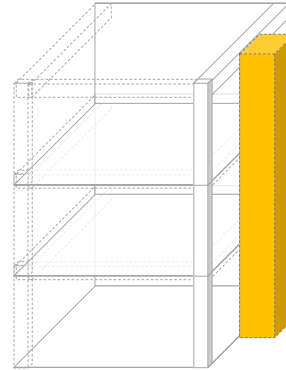
## GROUND ENGINEERING SERVICES

We use multi facet test approach for testing the ground before construction and find flaws in the ground. Then use modelling software to design best correction needed to be build on or in the ground so as to mitigate the risk and threats to the building that will be constructed on it. Our solutions allow construction on almost all kinds of soil, ground and surfaces.



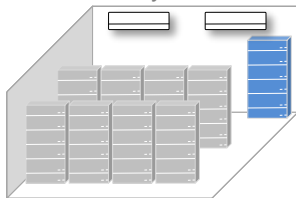
## MOBILITY ENGINEERING SERVICES

With the increase in the size of building getting from one point to other in the building is almost impossible with out mechanized motion. With years of experience in design & advance Software we are able to design and develop mechanized motion or mobility soln. for all types of building.



## IT & DIGITAL ENGINEERING SERVICES

We provide a vivid and huge array of IT & Digital solutions that make the building more interactive with its users, More efficient, more reliable and more economical to operate. Our solutions add 'smart' in to the building to make it smart building. Solutions designed by us use components from trusted OEMs only.



## SERVICES WE OFFER

- Mechanical Engineering Service
- Electrical Engineering Services
- Plumbing Engineering Services
- Structural Engineering Services
- Facade Engineering Services
- Fire Fighting Design Services
- Environment Engineering Service
- Renewable Energy Engineering
- Ground Engineering Services
- Mobility Engineering Services
- IT & Digital Engineering Services

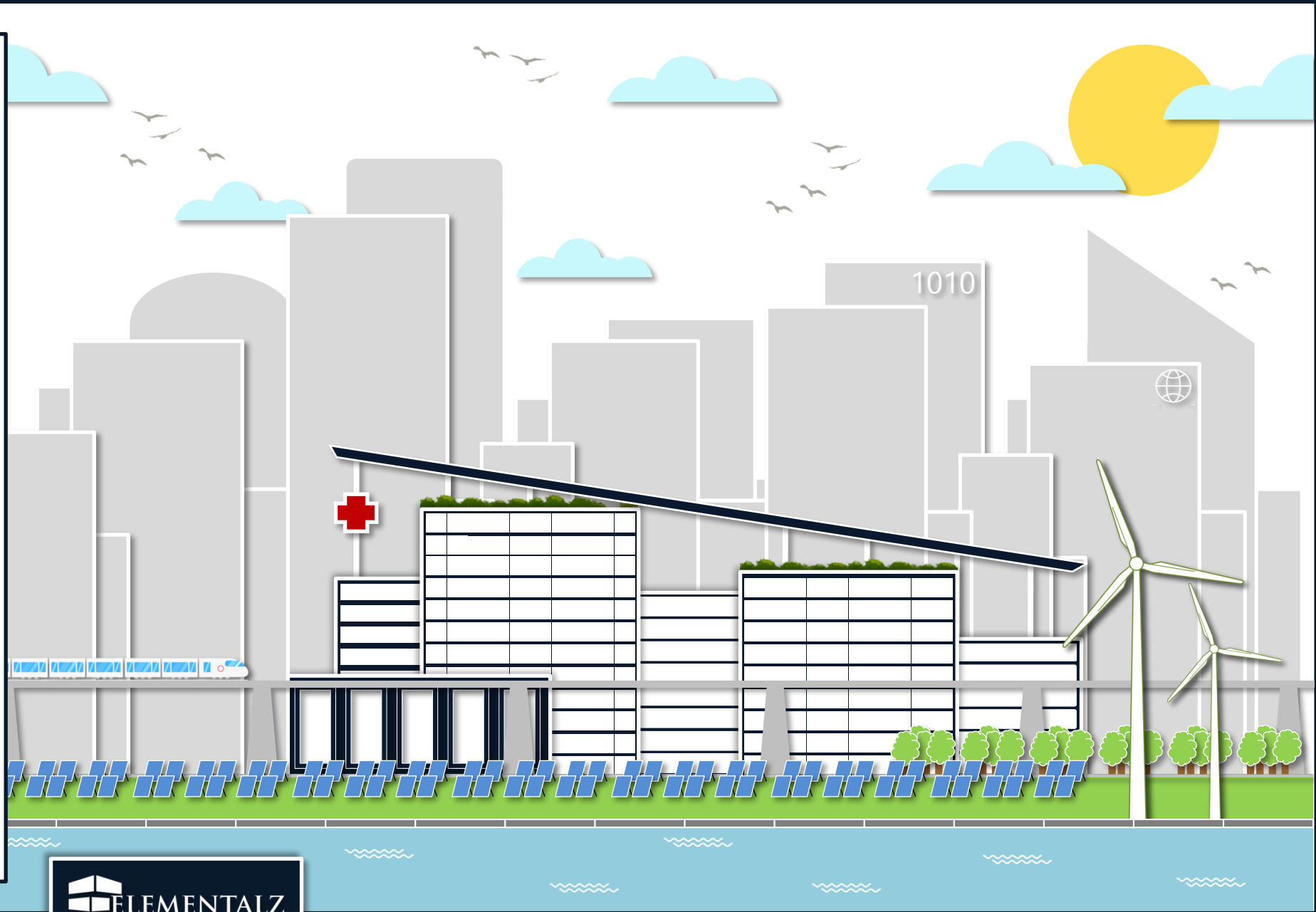


For more Information on our Engineering services please read AEC Services brochure.

PLANNING STAGE PROJECT ENGINEERING

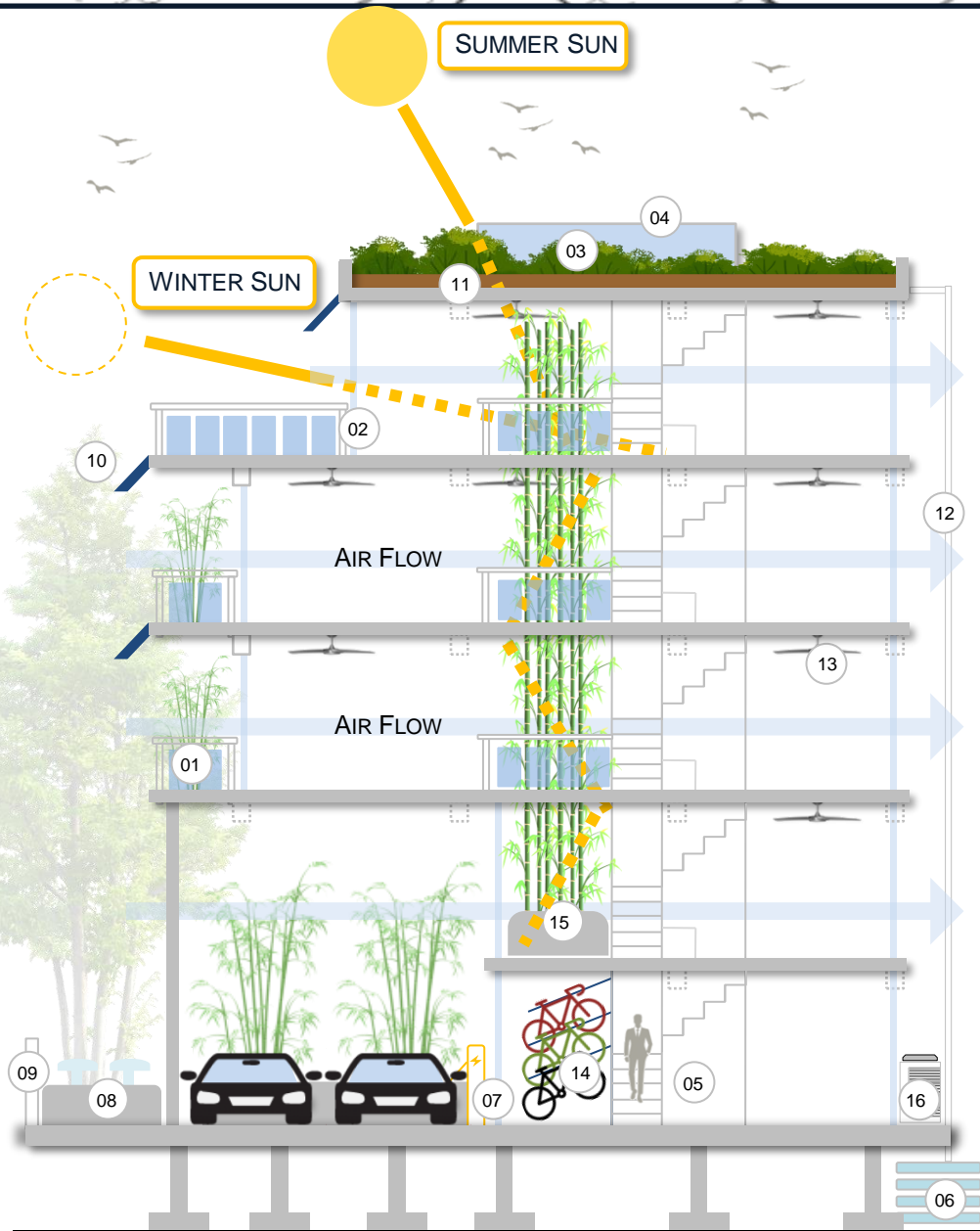


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LEGEND

- 01) INDOOR PLANT
- 02) GLASS WALL
- 03) ROOF GARDEN
- 04) ROOF ENTRY
- 05) STAIR & LIFT
- 06) RAIN WATER
- 07) CHARGE POINT
- 08) WATER BODY
- 09) GUARD WALL
- 10) SOLAR PANEL
- 11) SUNLIGHT BAY
- 12) CONDUIT LINE
- 13) HVLV FAN
- 14) CYCLE RACK
- 15) O<sub>2</sub> PLANT
- 16) HVAC UNIT



## CONSTRUCTION SERVICES

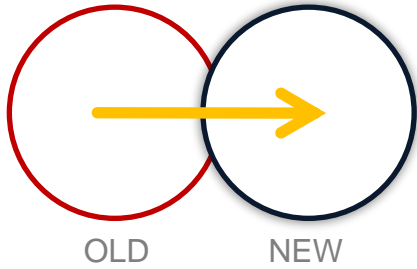
- PEB CONSTRUCTION
- CIVIL CONSTRUCTION
- MODULAR CONSTRUCTION

## ENGINEERING SERVICES

- MEP SYSTEMS
- BES SYSTEMS
- SPECIAL SYSTEMS

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TRANSFORM



LOCAL RAW  
MATERIAL



BETTER  
FUTURE

PROFIT



GREEN

With Sustainable construction we intend to transform old existing business to more energy efficient business that will not only save our planet and environment but it is also beneficial for the business as it reduces production cost, reduces Carbon tax levies and promotes business among the younger generation of consumers.

With proper planning and management Green Energy Source are more reliable than conventional power source. Ensuring round the clock energy availability.

## CONSIDERATION FOR CONSTRUCTION



SUSTAINABLE



WITHIN BUDGET



WITH TIME LIMIT

With Sustainability and Occupant comfort at the core of our architecture design, Engineering and Construction policy we are always keen on adding proven technology that makes building comfortable to live in but also make sustainable with Resource consumption almost at net zero.

Our Advance building analytics and supply chain management allow us to use “Just in Time” logistic ensuring minimal dump on site and prevent shortage of raw material for construction, Thereby preventing project cost over runs and minimal to none over burden interest on client.

Our Team of expert & experienced professionals are very proficient in Building Information Modeling which allow us to prevent system clashes and, also ensure smooth and proper maintenance of various system with minimal disruption to building operations. With BIM we are also able reduce raw material wastage and thereby improve Green Score of the building for better certification. Site and Personnel safety is the top most priority while construction, We deploy dedicated field safety officer and engineers to ensure safety of al the parties involved.

Hexagon E Golden Standard is the document defined by us which outlines all the parameters and benchmark we intend to achieve in building design and developed by us. Our commitment to client does not end with Design and Construction, we give our clients written commitment to provide 1+5 Years service Guarantee for all systems and solutions provided by us or our allies, with our concierge being one point contact for all repair and maintenance requirement of the project/Infrastructure/ Building.

### DISASTER AND CRISIS PLANNING



TSUNAMI &  
FLOODING



EARTH  
QUAKES



CRISIS  
MANAGMENT



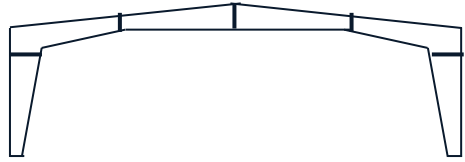
PARAMETER  
PLANNING

## SERVICES WE OFFER

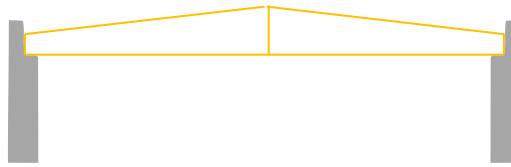
- PEB CONSTRUCTION
- CIVIL CONSTRUCTION
- MODULAR CONSTRUCTION

CONSTRUCTION STAGE SERVICES

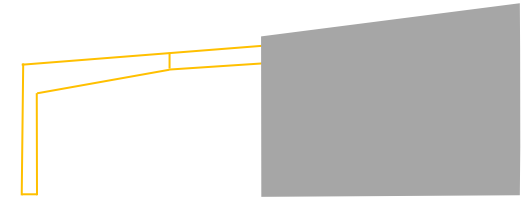




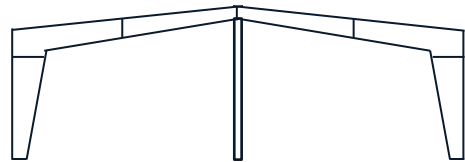
SINGLE SPAN



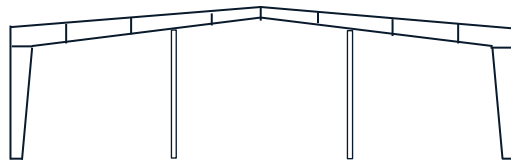
ROOF SOLUTIONS



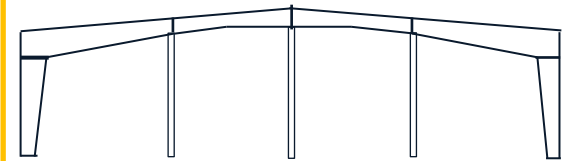
LEAN TO PEB



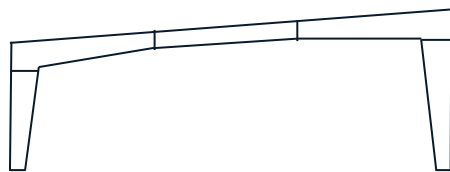
MULTI SPAN (TYPE 1)



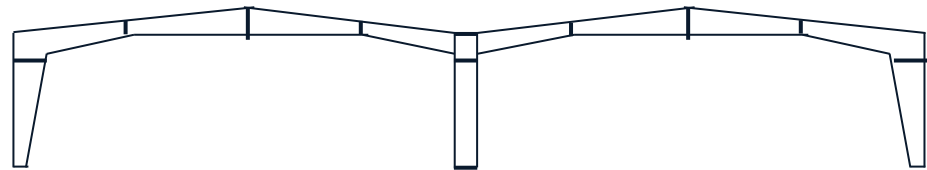
MULTI SPAN (TYPE 2)



MULTI SPAN (TYPE 3)



SINGLE SLOPE



MULTI GABLE



## STEEL STRUCTURES SOLUTIONS

Our solution use high grade steel and SS to make our steel structures that are light in weight, long lasting, durable & Aesthetically pleasing. We offer many types of fabricated, molded & welded structures. Our bouquet offers wide variety of products, both for indoor & outdoor environment ranging from kitchen utilities to external fabricated structures.

- Vendor Kiosks
- High Voltage Transmission line
- Solar Panel Frame
- Kitchen Utilities & Equipment
- Sprayer & Cooling units

## PRE FABRICATED BUILDING SOLUTIONS

We have teamed up with some of the best OEMs to produce world class Concrete & hybrid pre made building blocks that can be assembled on site for quicker constructions. This solution have physical strength of RCC and modular design capability of PEB and are much faster to build. Our Pre Fab Solutions include pre in-built consideration for other amenities like Electrical, plumbing, doors, windows and others. Each section is made offsite then transported to build site and assembled in to the building, Construction by this method can reduce construction time up to 60%.

## PRE ENGINEERED BUILDING SOLUTIONS

With years of experience, we are confident that we can construct multiple types of pre engineered buildings. Our PEB and Steel Buildings are made of High Grade steel & supported with other high grade material. The Feature that set us apart from others is that all of our PEB & steel building are designed meticulously with very stringent safety parameters, giving our PEB and Steel buildings inherent resistance to Natural Calamities. On the basis of design selected our team can **complete** construction of Building in duration as small as **15 days. For more details on possibilities with PEB contact the team.**

## LIGHT GAUGE STEEL FRAME ENGINEERING SOLUTIONS

To make housing structure look like that of conventional RCC building, LGSF structures are used. To know more please, visit our website [www.elementalzindia.com](http://www.elementalzindia.com)

## SERVICES WE OFFER

- **PEB CONSTRUCTION**
  - STEEL STRUCTURES
  - PRE ENGINEERED BUILD
  - PRE FABRICATED BUILD
  - LIGHT GAUGE STEEL FRAMING STRUCTURES
- **CIVIL CONSTRUCTION**
- **MODULAR CONSTRUCTION**

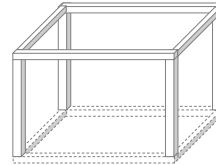


## SERVICES WE OFFER

- **PEB CONSTRUCTION**
- **CIVIL CONSTRUCTION**
  - RCC CONSTRUCTION
  - FOUNDATION LAYING
  - HYBRID CONSTRUCTION
  - ALT. CONSTRUCTION
- **MODULAR CONSTRUCTION**

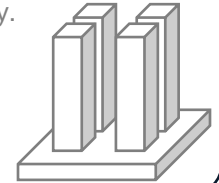
### REINFORCED CONCRETE CONSTRUCTION SERVICES

Our RCC solutions use high grade raw materials which are of the best quality and are mostly sourced so as to improve green building rating all the while reducing the carbon footprint created by construction of the building. Most common type RCC construction model is Box-Frame type. We use modern practices to have good quality pour & safe working environment.



### FOUNDATION LAYING & LAND PREPARATION SERVICES

Our team of diverse & experienced professional coupled with state of the technology, they can build almost anywhere. Our modelling software uses Virtual GPU to process in real time all the data available and make detailed engineering model that ensures stability and reliability of the ground for construction along with correction to improve the stability & Reliability.



### HYBRID CONSTRUCTION SERVICES

Many time construction challenges presented cannot be solved with simple single procedure or processes, In such cases multiple processes or procedures are used to ensure stable and reliable construction. Each solutions is unique and used only after extensive deliberation as a last resort. **For more information please visit our website [www.elementalzindia.com](http://www.elementalzindia.com).**

### ALTERNATE CONSTRUCTION SERVICES

Since the dawn of time many construction process or procedures have been developed by humans. With varying livable space to varying wall height and other parameter to simple dugout enclaves each system has its advantage and disadvantages. But most modern alternative construction aim to achieve Decarbonisation, self sufficient building & more ecofriendly. We have tied up with many OEMs and professionals to provide alternate construction solutions for our clients like Eco village, Underground housing, etc.

## UN SUSTAINABLE DEVELOPMENT GOALS

### PRIMARY GOALS



### SECONDARY GOALS



### TERTIARY GOALS



Sustainable building construction is an extension of one of the core priorities for developing all types of Building design, Construction planning and Building Construction. Our target is to design and construct building that has net zero consumption of resources during operations. We prioritize minimal material wastage during construction and try to source as much raw material locally for construction.

Our Project management team responsible for building construction consist of diverse group of professionals who have years of experience in developing infrastructure and building construction. We use multi stage approach of Building Information modelling to have universal availability of resources, minimal wastage of Raw material and with our Interior design team, we even attempt to Upcycle/Recycle wasted raw material for greater sustainability.

Sustainability is not limited to Building itself, it goes way beyond that. Sustainability also encompasses Economics, Social Well being and community welfare, Environmental protection, protection of local flora and fauna. After considering all the factors ensuring a building or infrastructure that can sustain the business it was made for and, all the while keeping its occupants safe and comfortable.

Scope of responsibility is huge on our shoulders but we are not alone, Empowered with best Artificial intelligence driven software for Designing, With in-depth multi stage Building information modeling and, Step by Step analysis of the project with a team of experienced and passionate professionals, we keep moving forward toward protecting the planet, Empowering Business and Improving Lives of the people. Keeping sustainability in mind we design building and Infrastructure that promote circular economy.



HIGH GRADE MATERIAL



QUALIFIED TEAM



SOUND CONSTRUCTION PRACTICES



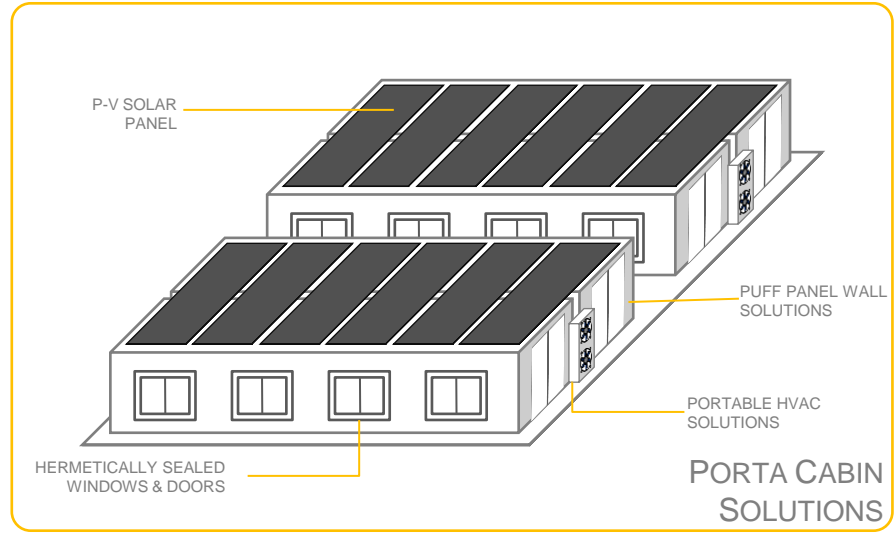
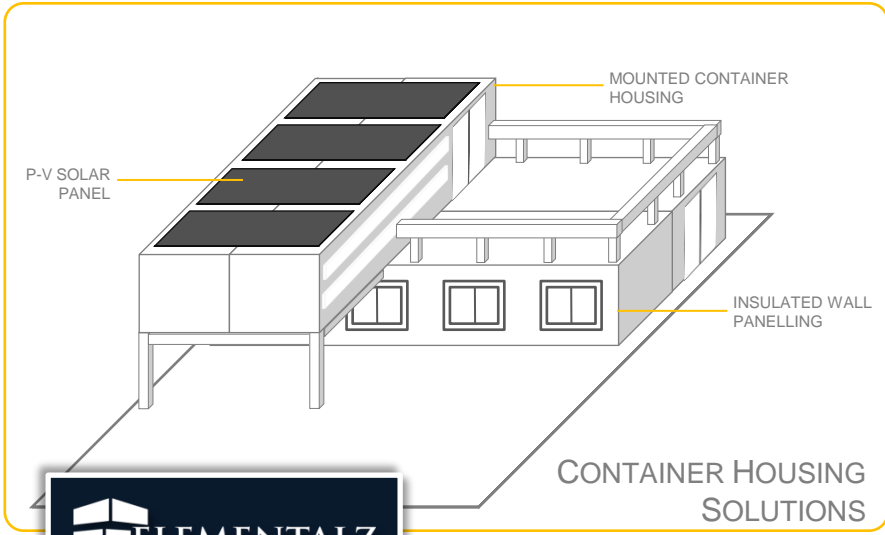
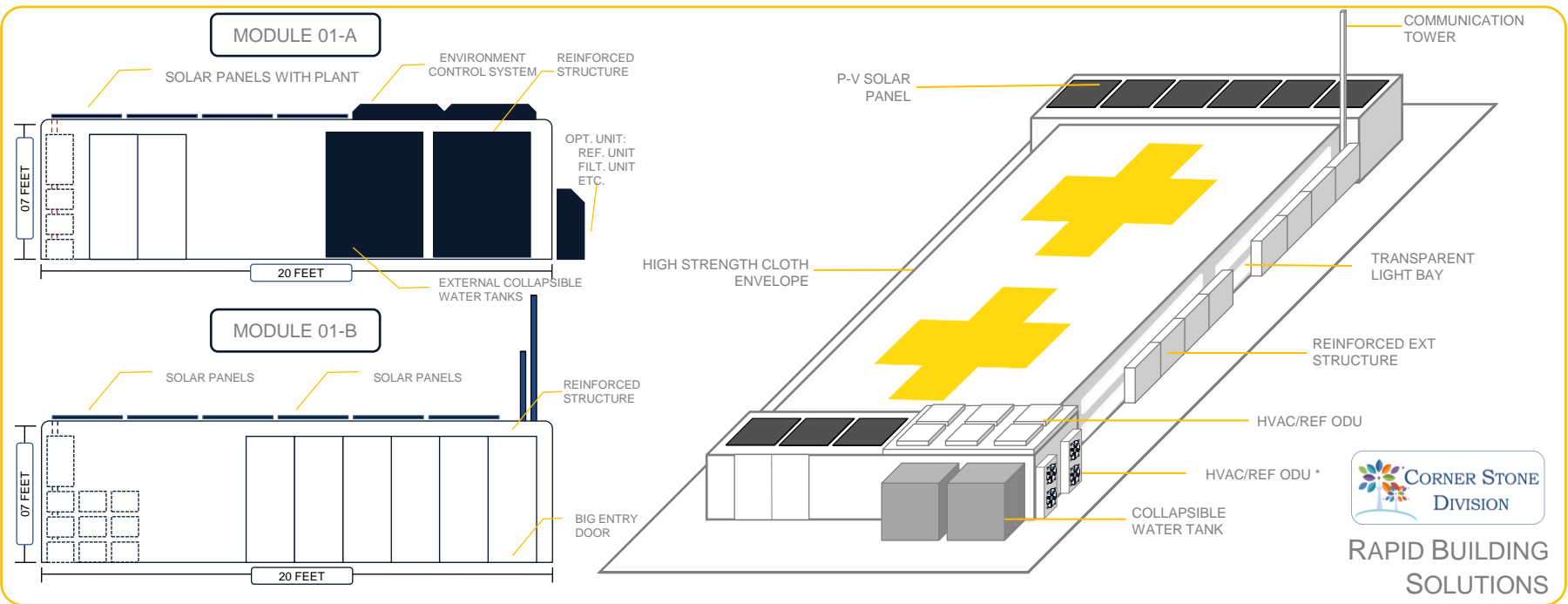
METICULOUS PLANNING

## SERVICES WE OFFER

- PEB CONSTRUCTION
- CIVIL CONSTRUCTION
  - RCC CONSTRUCTION
  - FOUNDATION LAYING
  - HYBRID CONSTRUCTION
  - ALT. CONSTRUCTION
- MODULAR CONSTRUCTION

CONSTRUCTION STAGE SERVICES





## PORTA CABIN SOLUTIONS

We have teamed up with some of the best OEMs to produce world class porta cabin that are sturdy for housing & durable to transport from site to site. These houses are lined with Poly urethane foam panels making them suitable for multi weather and secure to use. Depending on the requirement internal frame can be made from steel, wood or polymer. These have most of the modern amenities outfitted on them itself with minimal to none dis assembly requirement before or after transport. It can be used for multiple purposes like residential, office work and even as portable toilets.

## CONTAINER HOUSING SOLUTIONS

Keeping up with the trend, we have designed many container housing concepts that can be used for myriads of purposes but challenge is to find good quality pre used containers that are sturdy and Reliable to be used as housing. For more Information our container housing solutions Visit our Website [www.elementalzindia.com](http://www.elementalzindia.com)

## RAPID BUILD SOLUTIONS

World has changed after the covid-19 infection. But this is not the only threat that threatens the Humans on various levels & may lead to Human catastrophe of unprecedented proportions.

But we can manage the aftermath of each catastrophe and do our best for Restoring the faith and securing the affected people. For that we present our Corner Stone solutions Division. Our Corner Stone Division has designed state of the art Hospitals, Crisis Management Centre, Relief Camps, Civilian Defense systems, Portable Utility Systems, etc.

### Features of Rapid Builds:

- Rapid Buildings are those buildings that can be transported and established in new location in 24 - 48 Hours
- These building structures are sturdy, can be transported by Trucks, Airlifted & with modification even be air dropped directly on the field
- Packing Unpacking, Transportation, prep should need minimal staffs & workers with minimal specialize training
- Rapid Building should be mostly be self reliant in power generation & environment control

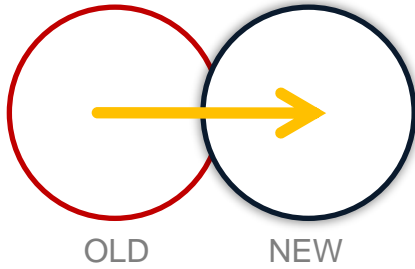
For more Information Please read Rapid build cornerstone brochure.

## SERVICES WE OFFER

- PEB CONSTRUCTION
- CIVIL CONSTRUCTION
- MODULAR CONSTRUCTION
  - PORTA CABINS
  - RAPID BUILD SOLUTIONS
  - CONTAINER HOUSING



TRANSFORM



PROFIT



GREEN



BETTER  
FUTURE

With Sustainable Engineering we intend to transform old existing business to more energy efficient business that will not only save our planet and environment but it is also beneficial for the business as it reduces production cost, reduces Carbon tax levies and promotes business among the younger generation of consumers.

With proper planning and management Green Energy Source are more reliable than conventional power source. Ensuring round the clock energy availability.

After having lots of conversation with our client, We design & developed engineering system solutions that are tailored made to client's requirement.

These solutions include, Structural, Mechanical, Electrical, Plumbing, Fire fighting & other necessary systems which ensure reliable operations & comfortable work environment in tandem with the requirement of the infrastructure and business.

Our Solutions are Reliable, Robust and Efficient which ensure continues working and minimal to no breakdown. In case there is a breakdown we have huge service network of experienced engineers & technician along with reliable chain of supply for spare parts.

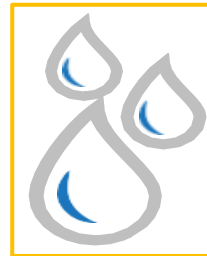
With our service concierge concept the process of complaint and resolution for all the systems is handled at a single point of contact, making the process as painless as possible for a better customer satisfaction.



MECHANICAL SYSTEMS



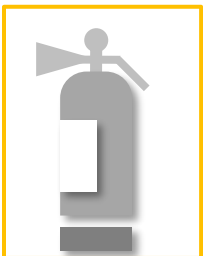
ELECTRICAL SYSTEMS



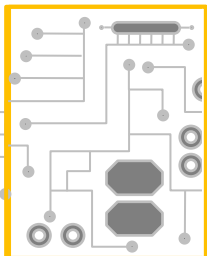
PLUMBING SYSTEMS



STRUCTURE SYSTEMS



FIRE FIGHTING SYSTEMS



SMART & DIGITAL SYSTEMS

## POWER-2-X SOLUTION

- It provide solutions for immediate future energy supply.
- It ensures energy produced can be used in night.
- Energy can be produce, stored and transported in other conventional method using existing infrastructure
- This makes this P2X solution more energy efficient and way more eco friendly by using existing setup.
- Sectors that can immensely benefit from P2X solutions are Industry, Mobility and Agriculture.
- It reduces carbon footprint of the fuel and energy generation process greatly, all the while make current renewable energy more reliable source of energy.
- P2X solution makes transition to fossil fuel free society even more possible and economically viable.

# P-2-X

POWER TO CHANGE TODAY

## SERVICES WE OFFER

- MEP ENGINEERING SYSTEM
- BES ENGINEERING SYSTEM
- SPECIAL SYSTEM

CONSTRUCTION STAGE ENGINEERING SERVICES



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



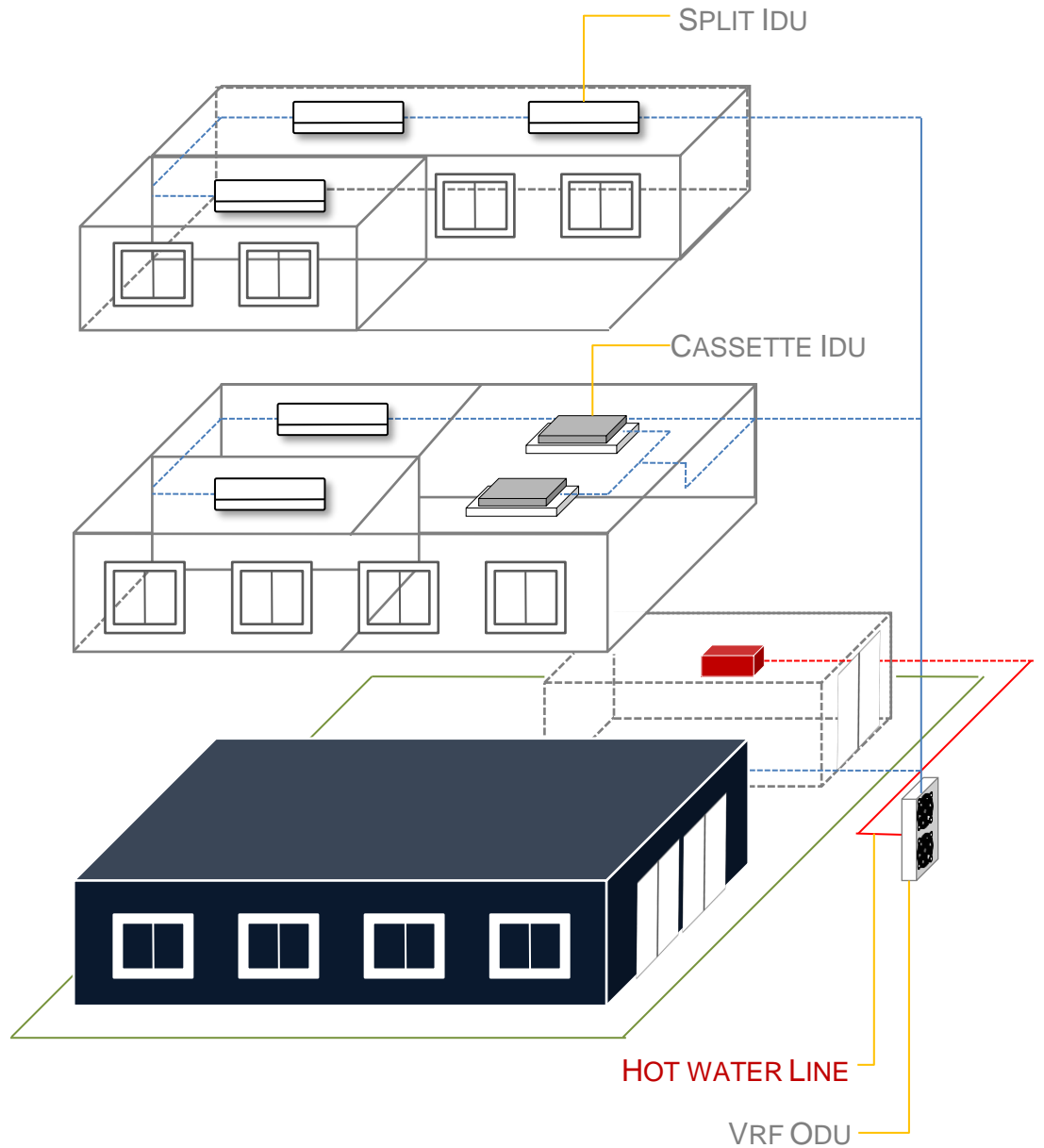
TRAINED TEAM  
OF TECHNICIANS



CUSTOMER  
SUPPORT

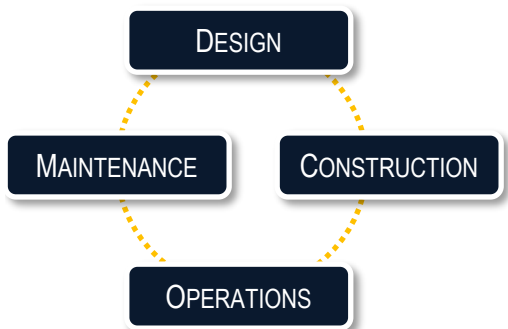


QUALITY  
INSTALLATION





- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Mechanical drawing for work execution & detailed record for future maintenance and operations.
- Integration of Climate Control systems with other building systems like BMS and plumbing.
- Step by step system testing, analysis and trouble shooting of installed Climate control solutions.
- Commissioning and testing of Installed climate control systems along with integration with the BMS and other systems.



### HVAC SOLUTION

- Room Air conditioners (Splits & Window ACs)
- Roof Air conditioners (Cassettes and Concealed ACs)
- Hall Air conditioners (Tower and Tele Pac ACs.)
- Building Air conditioners (Duct ACs & Package ACs)
- Condenser and Condensing units
- Green VRF Air Conditioning
- Precision Air conditioning Units
- Chiller plants
- Radiant Cooling And DOAS
- Underground Cooling

### REFRIGERATION SOLUTIONS

- Commercial Freezers
- Open Chillers and Freezers
- Chest Freezers and Coolers
- Water dispensers and Coolers
- Serve Over counters
- Cold rooms and Solar Units
- Multi rack Cold room
- Cold Storage and Refrigerated Vehicles
- Cold Factories
- Nitrogen Cryogenics and CO<sub>2</sub> systems

### VENTILATION AND AIR SYSTEMS

- Air Handling Units (AHU)
- Chilled Beams
- Dampers
- HVAC load reduction Module
- Filtration and Scrubbers
- Fans, Fan Coils, Energy Recovery Units, HVLV
- Variable Air Volume terminals
- Exhaust systems and Unit ventilators
- Heating coils and Cooling coils
- Under floor air distribution
- Central Vacuum system

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
  - MECHANICAL ENGINEERING
  - ELECTRICAL ENGINEERING
  - PLUMBING ENGINEERING
- **BES ENGINEERING SYSTEM**
- **SPECIAL SYSTEM**

CONSTRUCTION STAGE ENGINEERING SERVICES



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



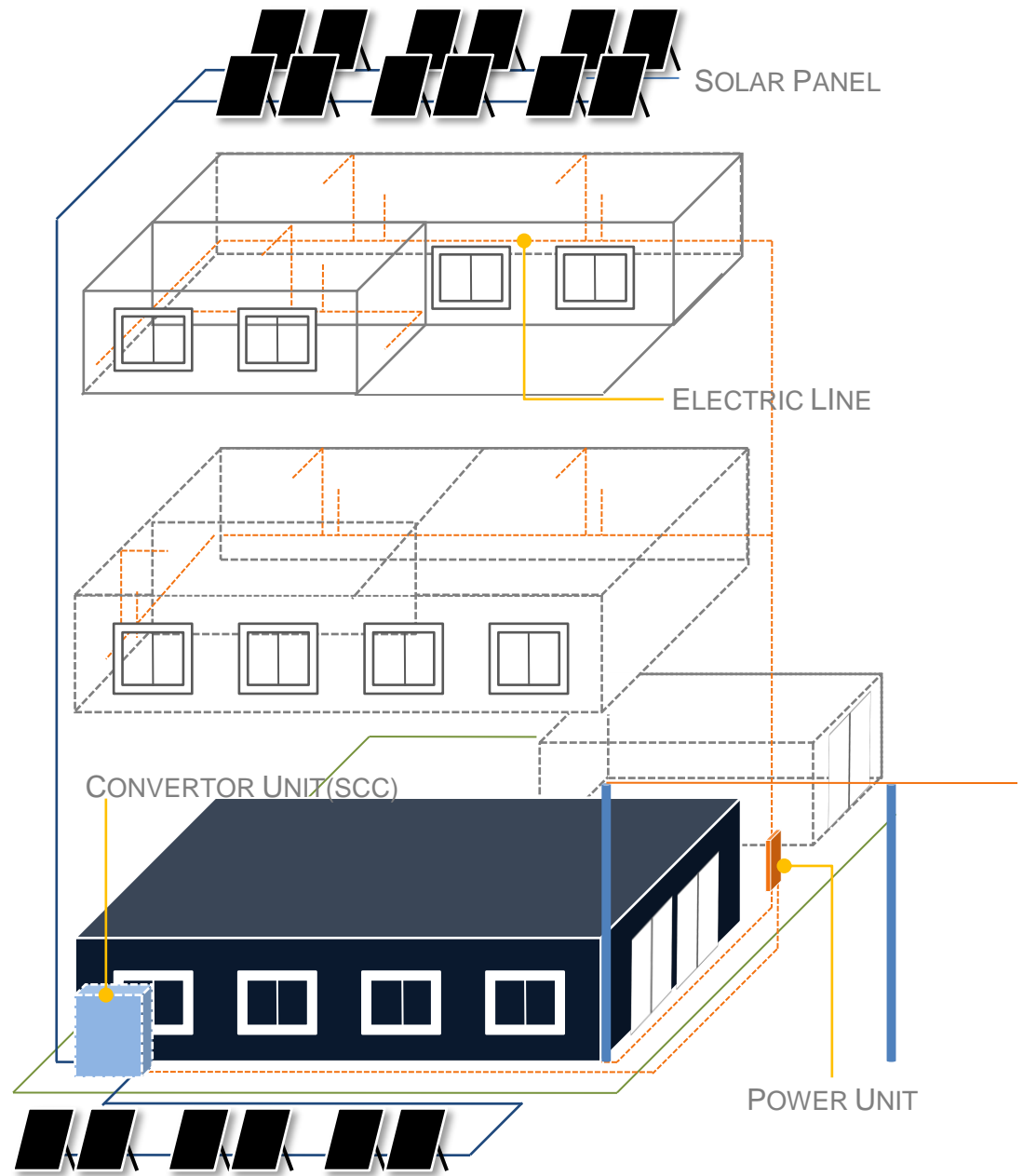
TRAINED TEAM  
OF TECHNICIANS



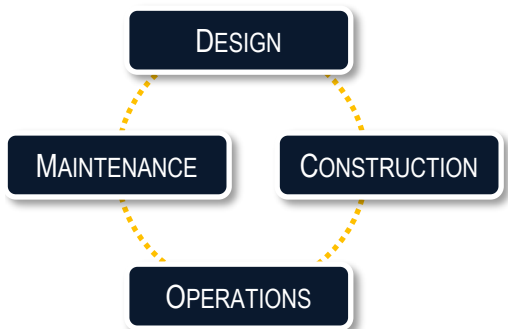
CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION



- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Electrical drawing for work execution and detailed record, for future maintenance and operations.
- Integration of multi level voltage systems with other building systems like BMS, Fire safety and plumbing.
- Step by step system testing, analysis and trouble shooting of installed Electrical solutions (HV,MC,LV).
- Commissioning and testing of Installed various Electrical systems along with integration with the BMS and other systems.



### GENERATION

- Cell Solar Power Plant
- Brine Solution Solar Power Plant
- Solar Heaters
- Emergency Generators
- Wind Energy Generators
- Solar street Lamps
- Solar Battery Solution
- Hybrid vehicle connection
- Geothermal Energy Systems
- Bio Mass Energy Systems

### DISTRIBUTION

- All types of Transformers
- All types of Electric Distribution Panels
- All types of Earthing and Electrolytes
- Electrical wiring service for all types of wire
- Backup Systems
- All types of Versatile conduits
- All types of Transmission lines
- Safety Checks and Analysis
- Grid Maintenance & Operation Contracts
- Modular Distribution Systems

### ENERGY STORAGE

- Stand alone Energy storage
- In-Building distributed Energy storage
- Modular Energy Storage System
- Flow Batteries
- Thermal storage system
- Brine solution Energy storage

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
  - MECHANICAL ENGINEERING
  - ELECTRICAL ENGINEERING
  - PLUMBING ENGINEERING
- **BES ENGINEERING SYSTEM**
- **SPECIAL SYSTEM**



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



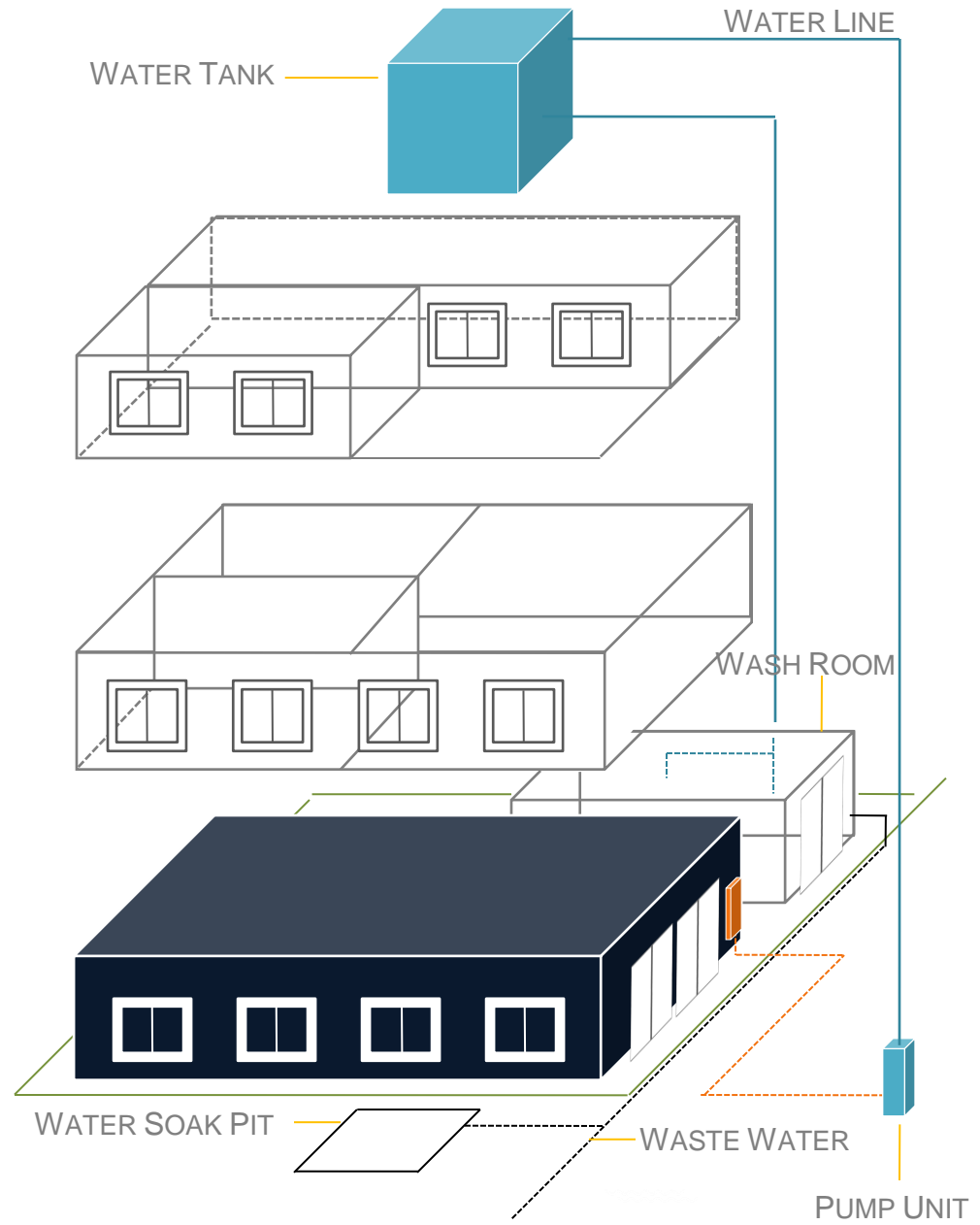
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OF TECHNICIANS



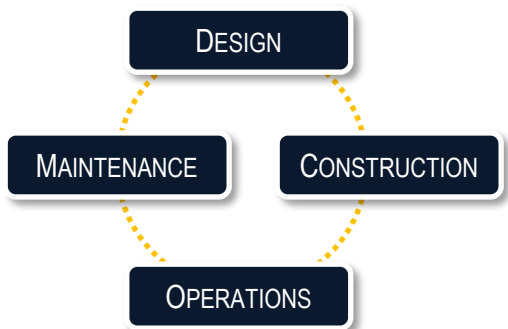
CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION



- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Plumbing drawing for work execution and detailed record for future maintenance and operations.
- Integration of Plumbing systems with other building systems like BMS and Climate control.
- Step by step system testing, analysis and trouble shooting of installed Plumbing solutions.
- Commissioning and testing of Installed Plumbing systems along with integration with the BMS and other systems.



### FILTRATION

- Mineral Filtration system
- Hard water Softener
- Sedimentation Filter unit
- Reverse Osmosis Filter
- Ozone Filtration system
- UV Filtration System
- Bio filter unit
- Portable Filtration system
- STP, WTP, ETP and Water Recycling Unit

### DISTRIBUTION

- Submersible & all types of pumping system
- Distribution Flow control Valves
- Pressure pumps
- Distribution and Irrigation Pipes
- Automatic & Manual Mixers
- Misting Units
- Heat Exchanger Unit Components
- Canal Designing and Layout Planning
- Hot & Cold Water Solutions

### STORAGE

- Overhead Tank
- Septic Tanks
- Water Collection Pits
- Rain Water Harvesting with Bio Cleaning
- Portable Tanks
- Sedimentation Tanks
- Soak Pits and Deposit Canals

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
  - MECHANICAL ENGINEERING
  - ELECTRICAL ENGINEERING
  - PLUMBING ENGINEERING
- **BES ENGINEERING SYSTEM**
- **SPECIAL SYSTEM**



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



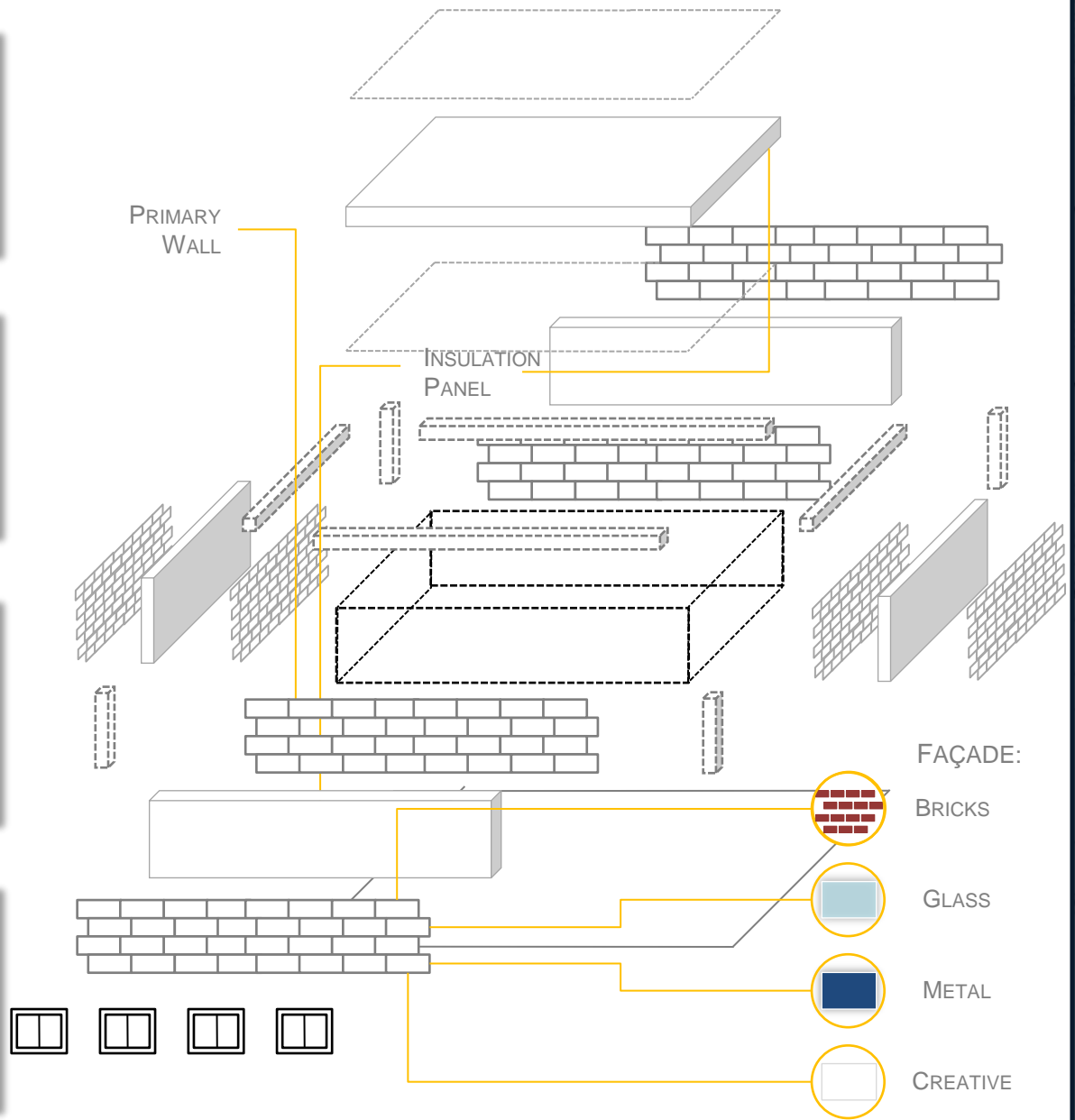
TRAINED TEAM  
OF TECHNICIANS



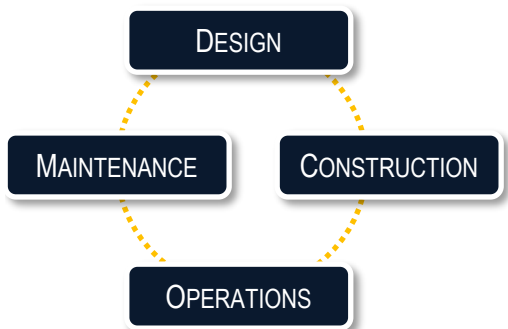
CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION



- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Structural drawing for work execution and detailed record for future maintenance and operations.
- Integration of Structural Elements with other building systems like BMS and other system, etc..
- Step by step Non Destructive testing, analysis & trouble shooting of installed structural solutions.
- Commissioning & testing of Installed structural elements along with integration with the BMS and other systems.



### FAÇADE ENGINEERING

- Solar Radiation Shielding
- Green Wall with Irrigation Channels
- Collapsing Walls & Facades
- Water Cooled Walls
- Terracotta Air Cooled Walls
- Elevation Design Services
- Glass & Steel Facade
- Ecological & Circular Process Planning
- Green Building Envelop
- Mechanized envelop and facade

### DOOR & WINDOWS PLANNING

- Hermetically sealed Doors and Windows
- Reinforced Doors & windows
- Footfall control solutions
- Stampede inhibition systems
- Natural Lighting with minimal IR & UV Coating
- Building Integrated PV systems
- Gas Augmented Window Solutions
- Observation Window solutions

### DECK SOLUTIONS

- Mezzanine Deck Solutions
- Wood Deck Solutions
- Composite Deck Solutions
- Deck Drainage solutions
- Snow Removal Solutions
- Pergolas & Pagoda solutions
- Retaining Wall Solutions
- Outdoor Kitchen & Covered spaces

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**

CONSTRUCTION STAGE ENGINEERING SERVICES



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



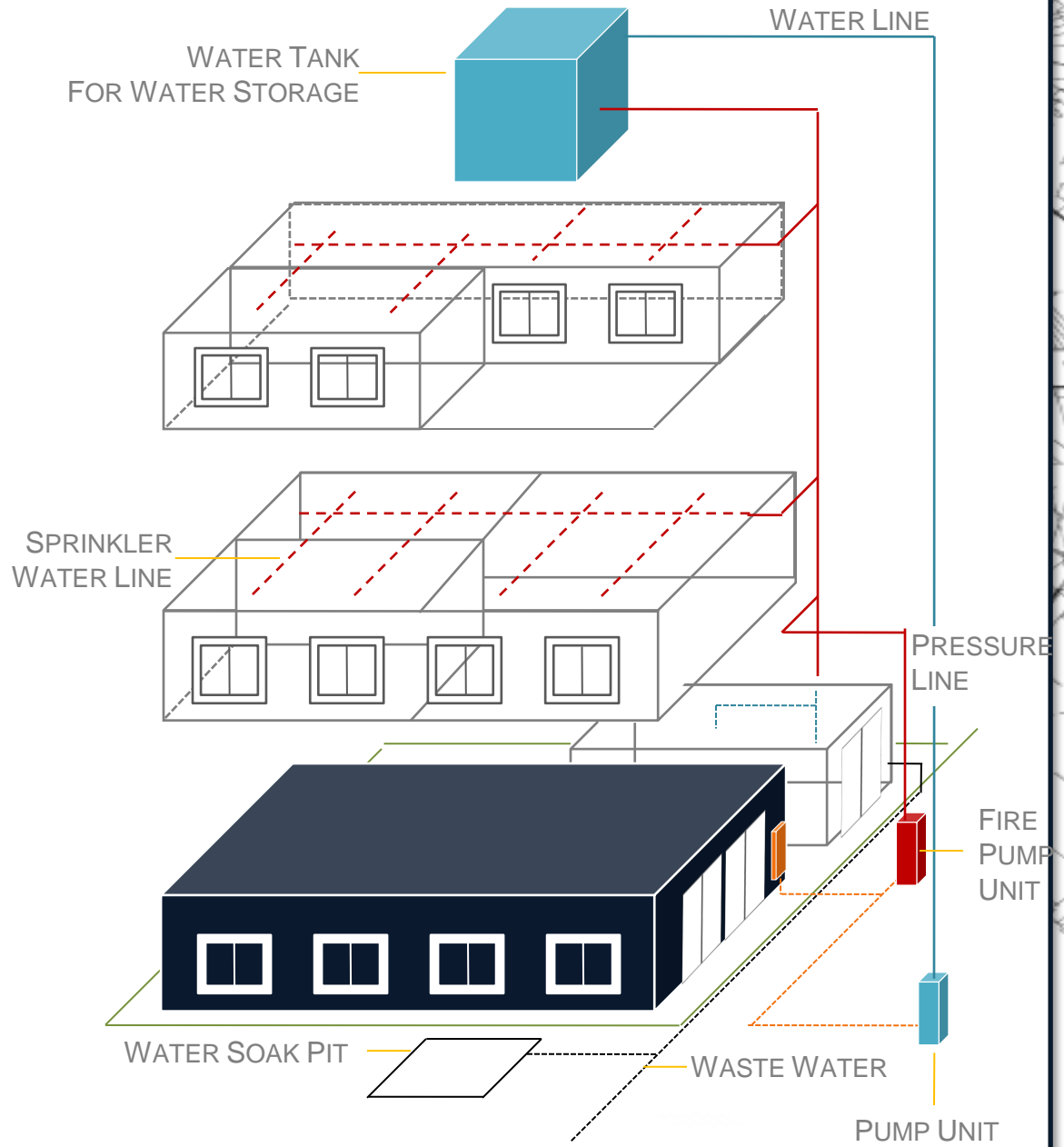
TRAINED TEAM  
OF TECHNICIANS



CUSTOMER  
SUPPORT

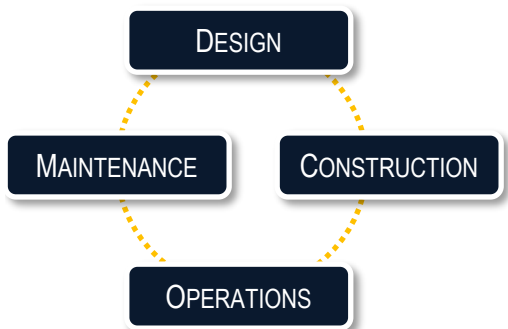


QUALITY  
INSTALLATION





- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Fire Fighting sys. drawing for work execution & detailed record for future maintenance & operations.
- Integration of Fire Fighting systems with other building systems like BMS and Warning/Evacuation.
- Step by step system testing, analysis and trouble shooting of installed Fire Fighting Solutions/Systems.
- Commissioning & testing of Installed Fire Fighting systems along with integration with the BMS and other systems.



### FIRE SAFETY

- Fire Alarm System
- Fire Sprinkler System
- Fire Suppression System
- Fire Hosing System
- Pressure System
- Chemical Extinguishing System
- Fire Fighting stations
- Fire Detection systems
- Smoke Removal Systems

### HAZARD SAFETY

- Panic Room
- Air Filtration system
- Exit Tunnels and Devices
- Personnel Protection Gear
- Survival Chambers and Barracks
- Survival training
- Life Support Systems
- Hazardous Gas Leak systems
- Electric leakage sensors

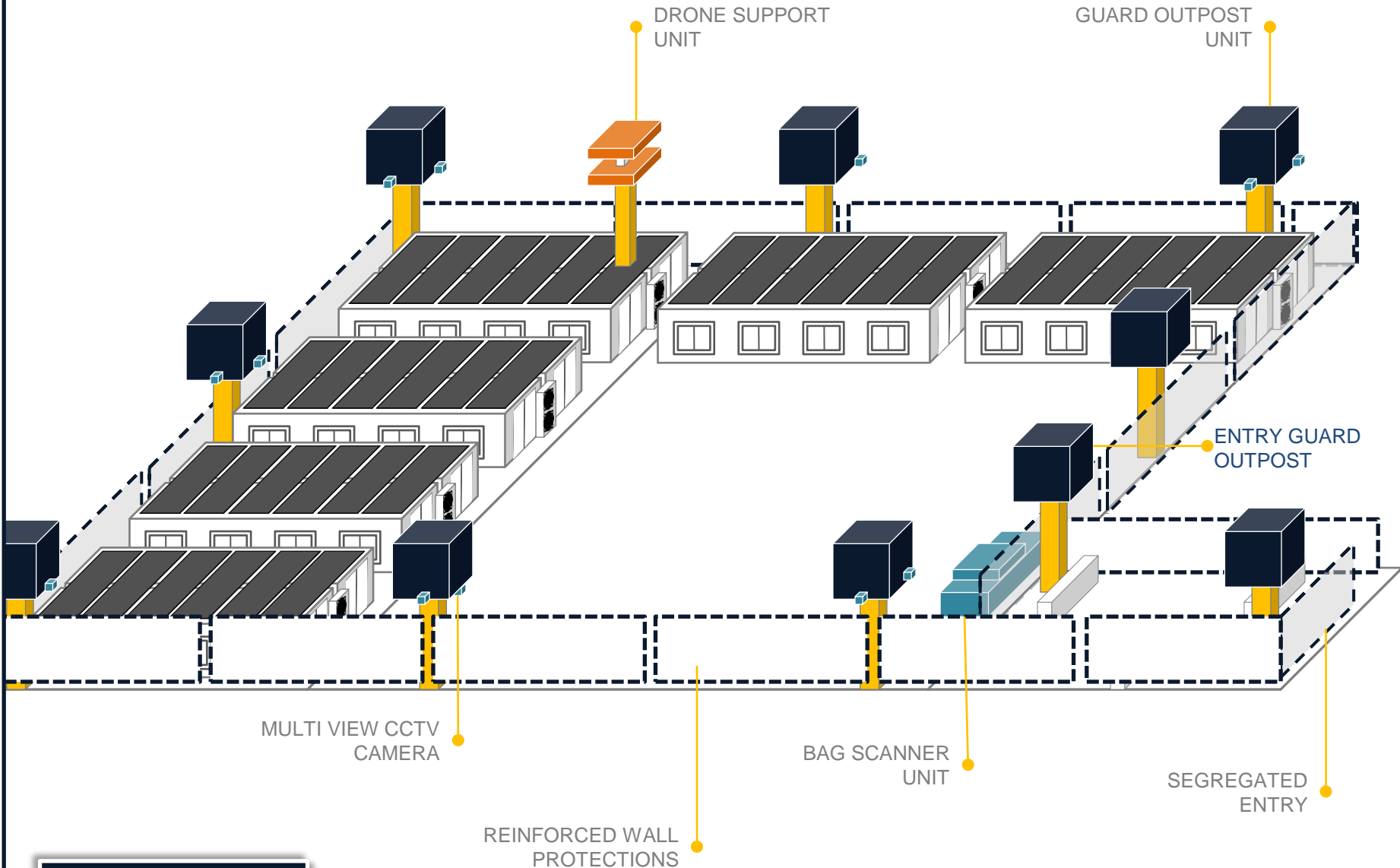
### DISASTER MNGMT.

- Advanced warning system
- Public Exodus System
- Central Control Room
- AI assistant
- Emergency Service Lee way
- Building Fortification and Upgradation

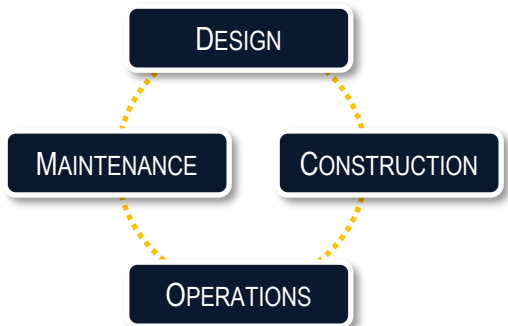
## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**





- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed safety/security plans and drawing for work execution and detailed record for future reference, maintenance and operations.
- Integration of safety and security systems with other building systems like BMS and plumbing.
- Step by step system testing, analysis and trouble shooting of installed Safety/Security solutions.
- Commissioning and testing of Installed Safety/Security systems along with integration with the BMS other systems & Personnel Training.



**SECURITY**

- 24x7 Remote Monitoring
- Access Control And Solutions
- Advance Video Surveillance
- Intrusion Detection
- Managed Service
- Security Fence And Lights
- Multi Weather CCTV Solutions
- Reinforced Gateways
- Concealed Guard Posts
- View Mirrors

**GUARDING**

- Baggage Scanners
- Metal Detectors and Physical Checkers
- Closable/ Hidden Gateways
- Mantraps + Scanner
- Blocking Bollards
- Tyre Rippers/ Killers
- Emergency Doors
- Drone Surveillance
- AI Surveillance
- Observation Post Design and setup

**STRONG SOLN.**

- Panic Rooms
- Fortified Outposts
- Vaults and Lockers
- Strong Rooms
- Wall Fortification
- Building Retrofits
- Evacuation Tunnels
- Barricaded Access Control
- Bullet Proof Glass
- Strong Doors & Windows

**SERVICES WE OFFER**

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**

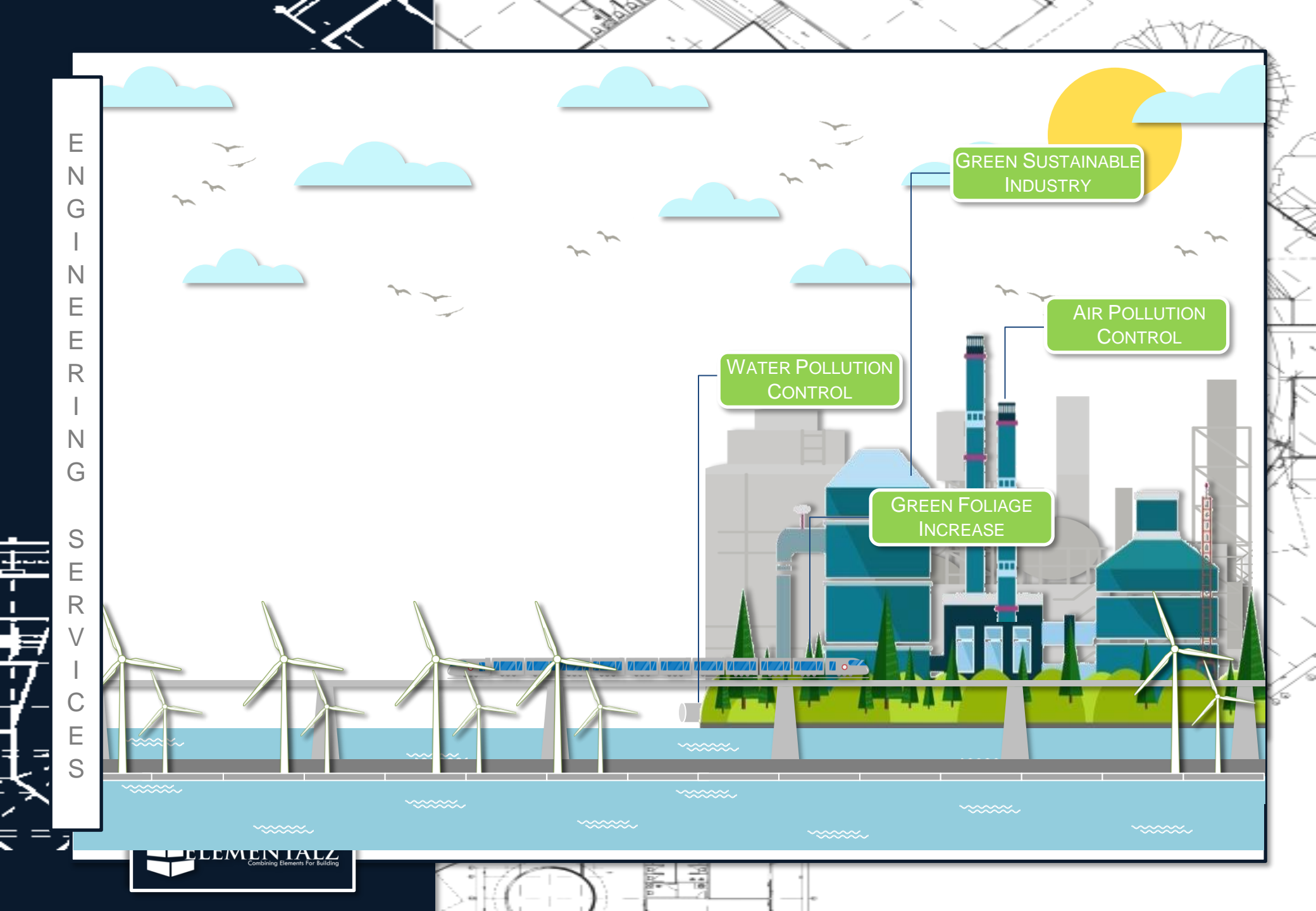


GREEN SUSTAINABLE INDUSTRY

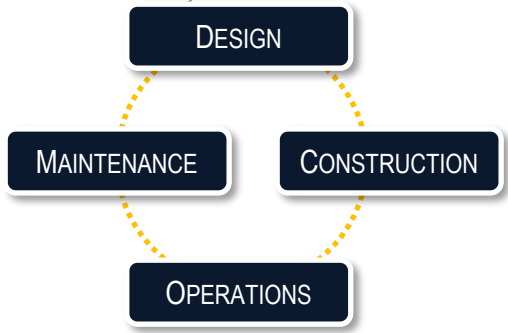
AIR POLLUTION CONTROL

WATER POLLUTION CONTROL

GREEN FOLIAGE INCREASE



- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed plans and drawing for work execution and detailed record for future maintenance and operations.
- Integration of waste management /pollution Control systems with other building systems like BMS and plumbing.
- Step by step system testing, analysis and trouble shooting of installed Environment engineering systems.
- Commissioning & testing of Installed Environment engineering systems along with integration with the BMS and other systems.



### WASTE MANAGEMENT

- Waste Recycle & Processing solutions
- Waste Recycle & Management solutions
- Solid waste Management solutions
- Hazardous Management solutions
- Water Treatment Plant Solutions
- Effluent Water Treatment Plant Solutions
- Sewage Treatment Plant Solutions
- Bio Disposal & Incinerator Solutions
- Rain Water Harvesting Solutions

### POLLUTION CONTROL

- NGT Certificate Assistance
- Air Pollution Monitoring & Control Solution
- Land Pollution Control solutions
- Water Pollution Control solutions
- Urban Pollution Control Solutions
- Site Pollution Control services
- Recycle Planning & Upcycle Services
- Awareness Training services
- Green Foliage Development
- Marsh Land Development

### GEO & HYDRO ENGINEERING

For More Information on this visit our website  
[www.elementalzindia.com](http://www.elementalzindia.com)

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



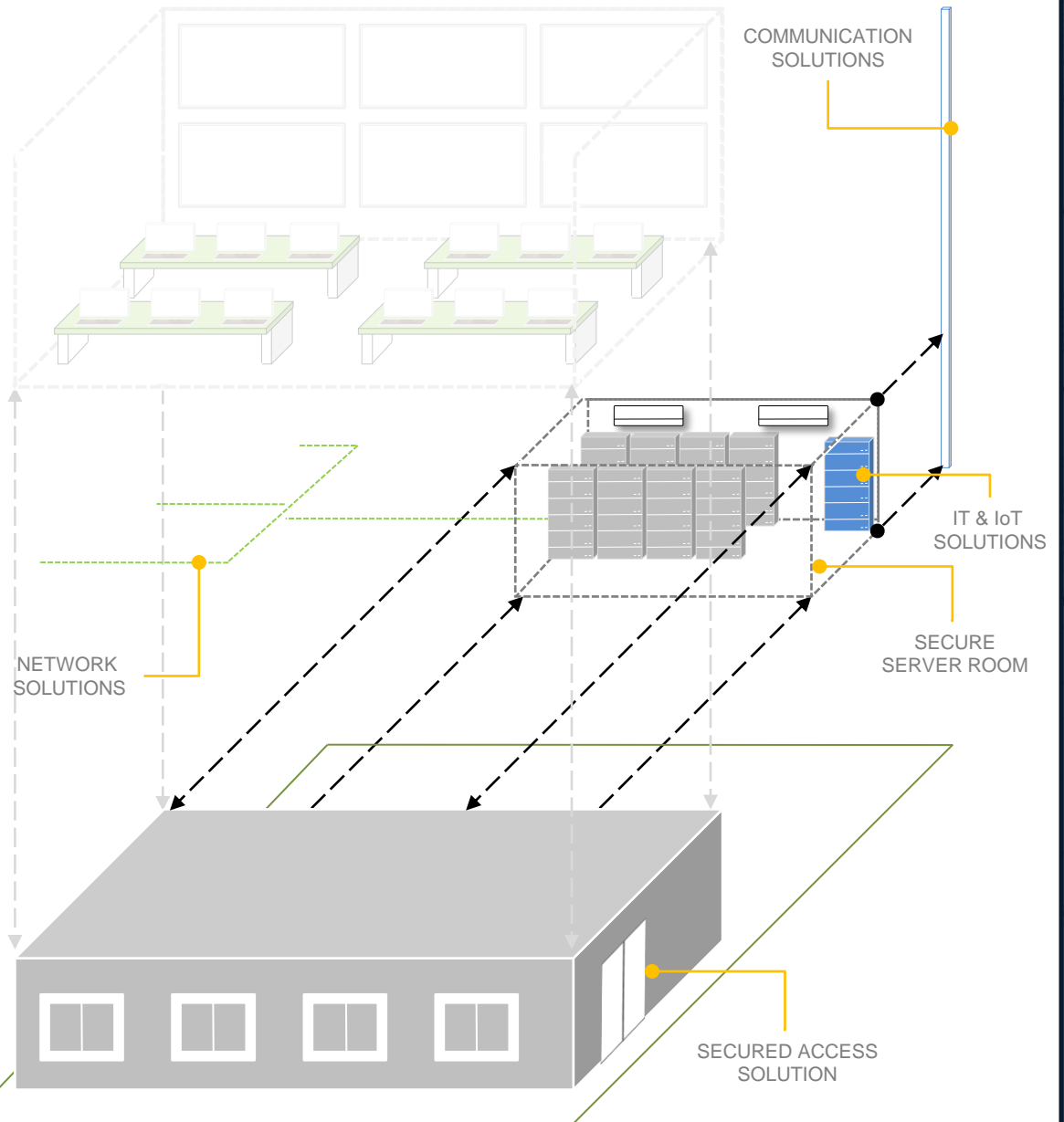
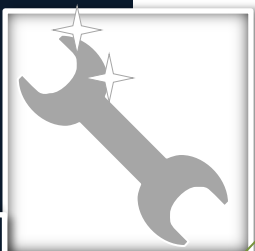
TRAINED TEAM  
OF TECHNICIANS



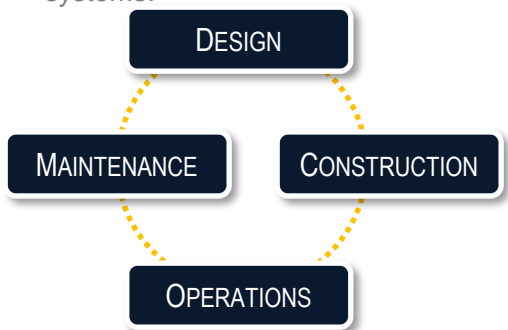
CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION



- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Smart and Digital system drawing for work execution along with detailed record for future maintenance & operations.
- Integration of Smart & Digital system with other building systems like BMS and other systems
- Step by step system testing, analysis and trouble shooting of installed Smart & Digital Solutions/Systems.
- Commissioning & testing of Installed Smart/Digital systems along with integration with the BMS and other systems.



### COMMUNICATION

- Telepresence
- Video Conferencing
- Announcement & Paging system
- Digital Lecterns
- IPBx Communication
- Instant messaging and File share
- Conference Room Soln.
- Smart Class Room Soln.
- Alert System

### NETWORK

- Network Computing
- Servers Systems
- Shared Computer Systems
- Network Accessories and Peripherals
- Network Hardware API
- Safety And Identification System
- Network Storage and Co-Working
- Secure Network Communications
- Data Centre for collection & Storage
- IoT Gateway

### AUTOMATION

- Building system Control
- Façade Control
- User Experience control via Mobile
- Industrial Automation
- Farm And Green House Automation
- Warehouse Automation
- Manufacturing Automation
- Solar Plant & Wind Turbine Automation
- Smart City Infrastructure Automation

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



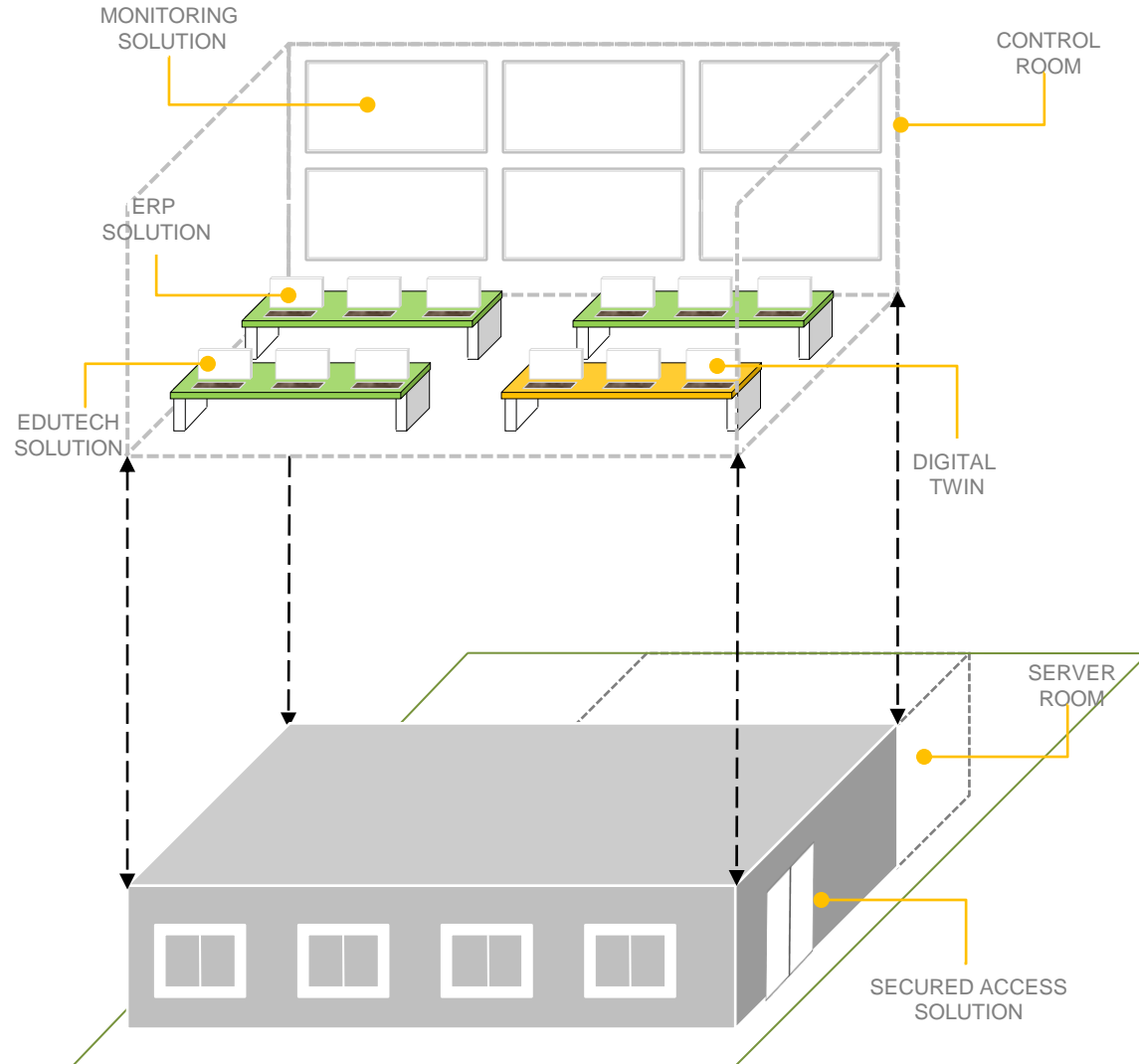
TRAINED TEAM  
OF TECHNICIANS



CUSTOMER  
SUPPORT

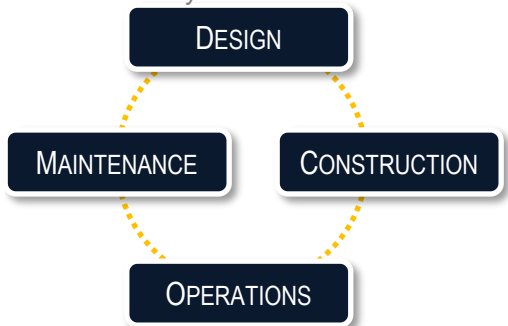


QUALITY  
INSTALLATION





- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Control & Monitoring room solution system drawing for work execution along with detailed record for future maintenance & operations.
- Integration of Control & Monitoring room systems with other building systems like BMS and other systems
- Step by step system testing, analysis and trouble shooting of installed Control & Monitoring room Systems.
- Commissioning & testing of Installed Control & Monitoring room systems along with integration with the BMS and other systems.



### CONTROL ROOM

24x7 LIVE Remote Monitoring  
 Central Overview Centre  
 Response Centre  
 Tracking And Planning  
 Dedicated Connection  
 Data Collection Centre  
 Process Analytics  
 Process Control Units  
 Control Room Design and Setup

### MONITORING

Drone Surveillance  
 AI Surveillance  
 Remote Alert System  
 Crowd Control  
 Mass Exodus And Control System  
 Threat Analysis  
 Defender System  
 Emergency Disaster Management System  
 Crowd Analysis  
 GPS systems

### DIGITAL TWIN

For More Information on this visit our website  
[www.elementalzindia.com](http://www.elementalzindia.com) or we can arrange a  
 Meet with our specialists

## SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**



ENGINEERING SERVICES

ORIGINAL  
OEM PRODUCTS



TRAINED TEAM  
OF TECHNICIANS



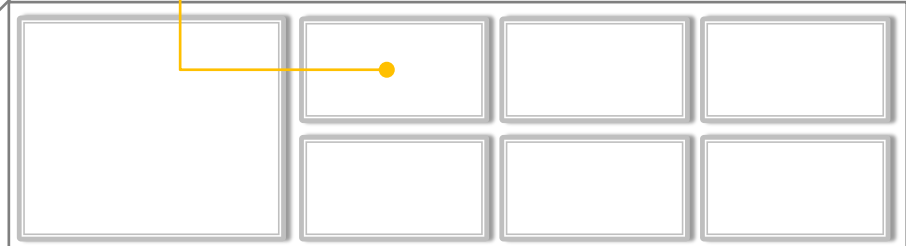
CUSTOMER  
SUPPORT



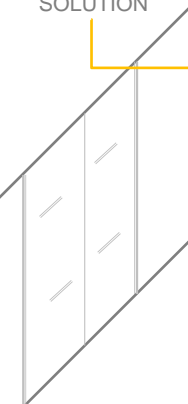
QUALITY  
INSTALLATION



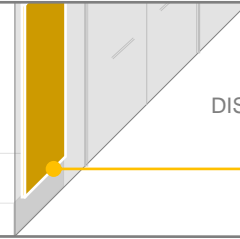
DISPLAY WALL SOLUTION



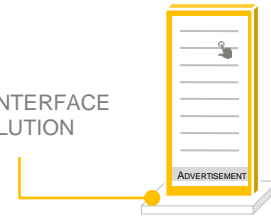
PHYSICAL DISPLAY SOLUTION



INFO DIGITAL DISPLAY SOLUTION

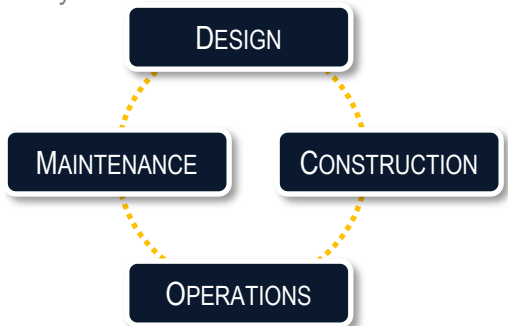


USER INTERFACE SOLUTION



HOSPITAL ATRIUM

- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed Audio-Video system soln. drawing for work execution along with detailed record for future maintenance & operations.
- Integration of Audio-Video system with other building systems like BMS and other systems
- Step by step system testing, analysis & trouble shooting of installed Audio-Video system solutions.
- Commissioning & testing of Installed Audio-Video systems along with integration with the BMS and other systems.



DISPLAY SOLN.

- Video Wall
- Digital Signage
- Electronic Print Board
- Standing Display
- Projectors
- Broadcasting System
- Information Display
- Interactive Display solutions
- Home & Commercial Theatre Solutions

INTERFACE

- Customized Interface for visitors
- Digital kiosk
- Access Controls
- Vending Machines
- Games Arena & Interface
- Shopping kiosks
- Glass Interface
- Experience Interface
- Food Order Interface
- Smart Classes Solutions

SERVICES WE OFFER

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
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ENGINEERING SERVICES

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TRAINED TEAM  
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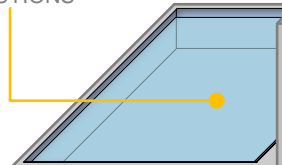
CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION



SWIMMING POOL SOLUTIONS



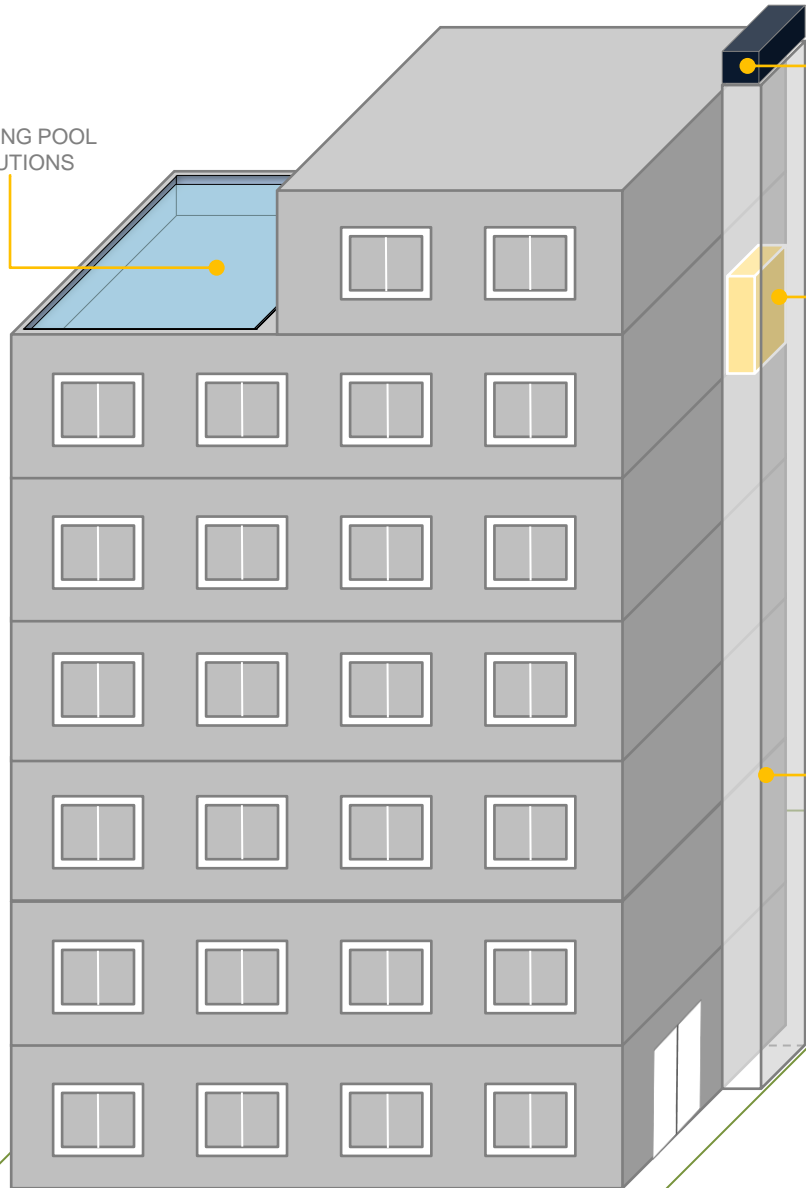
ELEVATOR MACHINE ROOM SOLUTIONS



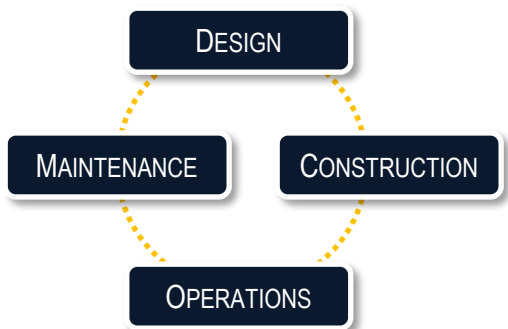
ELEVATOR SYSTEMS



ELEVATOR SHAFT SOLUTIONS



- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed solutions drawing for work execution along with detailed record for future maintenance & operations.
- Integration of Allied system with other building systems like BMS and other systems
- Step by step system testing, analysis & trouble shooting of installed Allied system solutions.
- Commissioning & testing of Installed Allied systems along with integration with the BMS and other systems.



**MECHANIZED  
MOTION SOLUTION**

- Elevator System
  - Traction Lift -
  - Hydraulic Lift -
  - Accessibility and Staircase Lift -
  - Service Lift -
- Escalator Systems
- Shutters and Gateways
  - Manual, Automatic Doors and Gateway -
  - Manual and Automatic Shutter -
  - Retrofit and Upgradation Services

**WATER BODY  
DEVELOPMENT**

- Swimming Pool and its integrated Building
- Domestic, Commercial and City Fountains
- Artificial Lake, Water sports & play areas
- Koi Ponds and Serenity Gardens
- Hydro electric Systems
- Domestic, Commercial Aquariums
- Fusion Water Bodies
- Underwater Structures
- Pool Walkway and Bridges

**SERVICES WE OFFER**

- **MEP ENGINEERING SYSTEM**
- **BES ENGINEERING SYSTEM**
  - STRUCTURE ENGINEERING
  - FIRE FIGHTING & SAFETY
  - ENVIRONMENT ENGINEERING
  - SMART & DIGITAL SYSTEMS
  - ALLIED SYSTEMS
- **SPECIAL SYSTEM**

CONSTRUCTION STAGE ENGINEERING SERVICES



### LABORATORY SOLUTION



- CHEMICAL LABORATORY
- PHYSICS LABORATORY
- DIGITAL LABORATORY
- BIO LABORATORY
- VIRTUAL LABORATORY

### WORKSHOP SOLUTION



- METAL WORKSHOP
- WOOD WORKSHOP
- VOCATION TRAINING
- MOCK CENTER
- MATERIAL WORKSHOP

### PLAY GROUND SOLUTION



- KID PLAY AREA
- DAY CARE CENTER
- OUTDOOR ACTIVITY
- SWIMMING POOL
- GAME COURSE

### TRAINING COURSE SOLUTION



- TRACK SOLUTIONS
- VEHICLE TRAINING SOLN
- INTENSIVE TRAINING COURSE
- CARDIO TRAINING UNIT
- MOCK TRAINING SOLN.

### ART STUDIO SOLUTION



- MUSIC STUDIO SOLN.
- A-V STUDIO SOLUTION
- ART STUDIO SOLUTION
- CRAFT STUDIO SOLN.
- PERFORMANCE ART

### EDUTECH SOLUTION



- ERP SOLUTIONS
- SMART TV SOLUTIONS
- A-V SOLUTION
- INTERACTIVE SOLN.

### SIMULATOR SOLUTION



- MOTOR CONTROL SIMULATOR SOLN.
- PROBLEM OR EVENT SIMULATOR SOLN.
- COMMUNICATION AND DECISION TRAINING
- VR-AR SIMULATOR

### LIBRARY SOLUTION



- LIBRARY SOLUTIONS
- DIGITAL LIBRARY SOLN
- ARCHIVE SOLUTIONS
- RESOURCE DATABASE SOLUTIONS



To get more information about various special solutions provided by us, please visit our website:

[www.elementalzindia.com](http://www.elementalzindia.com)

Depending on the Healthcare institute, various special systems are used that aid institute in providing world class Healthcare to the patients.

Components that make up various solutions provided by us are manufactured by reputable OEMs with proven track record and good after sales service.

All of our solutions are easy to use and easy to maintain with minimal downtime, With Building Information modelling and Digital Twin solutions troubleshooting the problem becomes very easy thereby reducing the risk of major breakdowns.

We provide 1+5 years Service assurance to our client for all the special solutions with virtual concierge service for hassle free, one stop communication point for client for all of their repair & maintenance requirement

## ADAPTABLE SOLUTIONS

- Special system Solutions can be adapted to fit any size project, to ensure maximum possible utility.
- Customization to great extent can be done as per the requirement of client.
- Most of the systems and solutions are connected with modern systems like cloud which can use AI & other similar software for DATA collection and assimilation.

## SERVICES WE OFFER

- MEP ENGINEERING SYSTEM
- BES ENGINEERING SYSTEM
- SPECIAL SYSTEM



ORIGINAL  
OEM PRODUCTS



TRAINED TEAM  
OF TECHNICIANS



QUALITY  
COMPONENTS



SAFER\* TO  
HANDLE



CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION



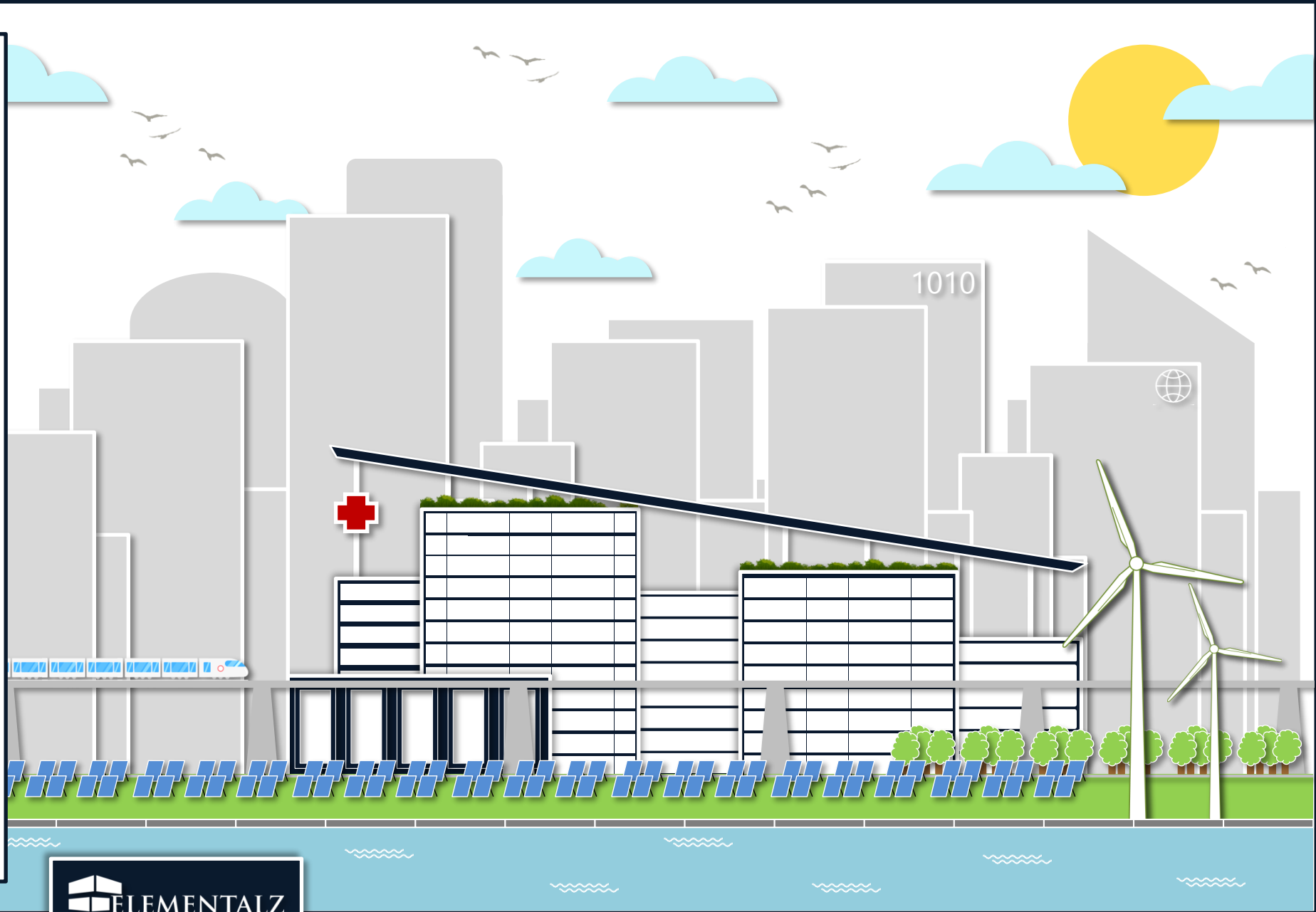
GLOBAL STANDARD  
SOLUTION



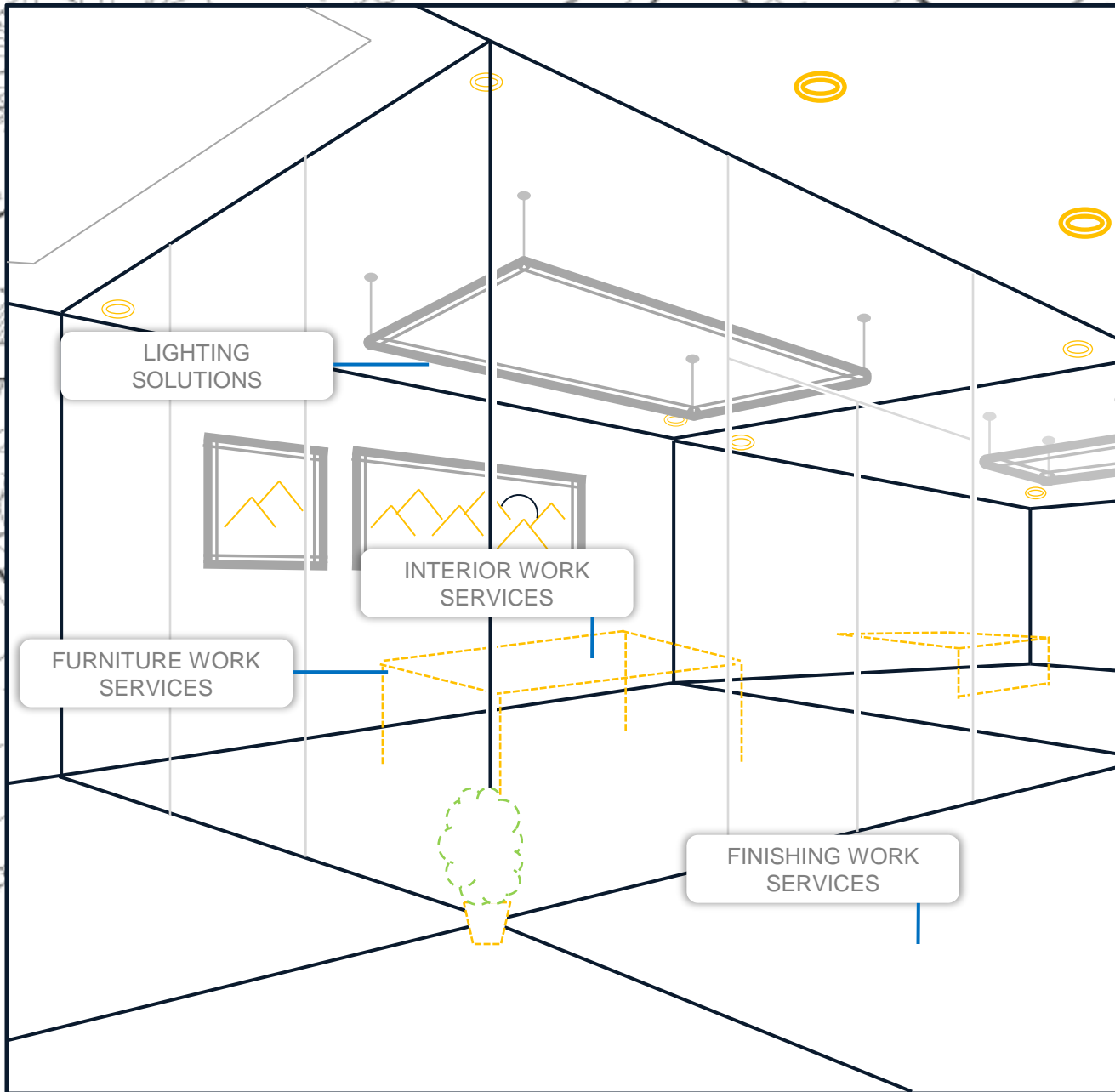
DIGITAL TECHNOLOGY  
ENABLED SOLUTION



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## INTERIOR SERVICES

- FINISH WORKS
- INTERIOR WORKS
- FURNITURE WORKS

## HEALTHTECH SOLUTIONS

COMPLETION STAGE

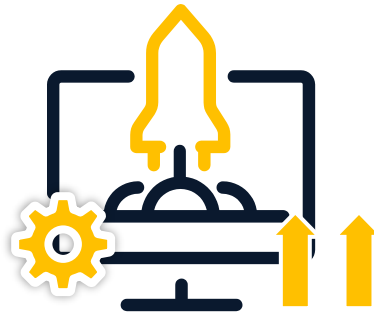
COMFORTABLE



SUPPORT TEACHING



NET ZERO



GREEN BUILDING



BOOST CREATIVITY



With Sustainable Interior solutions we intend to make internal environment more aesthetically appealing, comfortable, promote occupant wellbeing, Improve cognitive development, Improve creativity, Increase cooperation among peers, Support Teaching & staff, Helps Patients Focus on goals, Improve morale & transform old Infrastructure to a more modern, energy efficient Infrastructure that will not only save our planet and environment but it is also beneficial for the business as it reduces production cost, reduces Carbon tax levies and promotes Institutes among the younger generation of consumers.

## OUR GOALS



FUNCTIONALITY



COST  
EFFECTIVE



DURABILITY



MAINTAINANCE



COMPATIBILITY



FLEXIBILITY



CREATIVITY



TIMELESSNESS

Sustainability is at the core of our Interior design and development solutions which enable us to provide our clients with unique perspective that will help the client and Nature as well.

Our Auxiliary building solutions comprise of a synergetic relationship of Architecture design, Engineering design, Interior design and construction sharing same goal. They help with improving of building efficiency, reduce operation cost and at same time reduce downtime.

Using state of the art Advance 3D imaging/Graphics software, detailed multi stage Building information modelling and advance virtual GPUs, we make almost accurate visual models that help us develop better visual comfort and accentuating design for Healthcare Institute clients.

Our design team design Interior solutions which are Patients and Medical Staff centric which ensures greater physical and visual comfort, help Patients focus greatly on Healing and support Medical Staff in with modern technology to ensure better imbibing of positive attitude and confidence into Patients.

Designs we develop are in tandem with modern Healthcare concept of Holistic healing, visual aided treatment process learning and other modern methodology. We believe our design can help Healthcare institutes make positive life time memories for Patients which will have positive impact on Patients themselves and help them get a better future for themselves.

With strict adherence to sustainability policy, our execution team tries to reduce raw material waste to minimal and construct with smart management of raw material.

Decision helping tools:



VIRTUAL REALITY



AUGMENTED REALITY



PROFESSIONAL

## SERVICES WE OFFER

- FINISH WORKS
- INTERIOR WORKS
- FURNITURE WORKS

COMPLETION  
STAGE  
INTERIOR  
SERVICES



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STONE WORKS

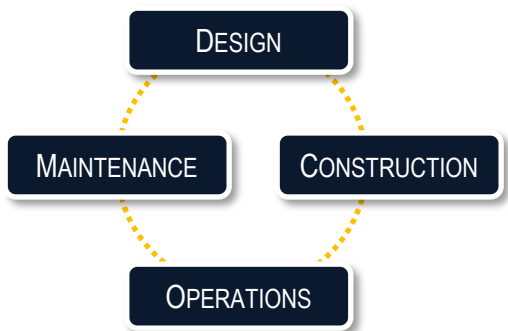
METAL WORKS

TILE WORKS



DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN

- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations & improve result of finish works.
- Detailed solutions drawing for work execution along with detailed record for future maintenance & operations.
- Installation and Execution of Finish works with keeping in mind the other building systems and other building processes.
- Step by step system testing, analysis and trouble shooting of clashing solutions to ensure better usability.



**STONE WORKS AND SERVICES**

- Stone Wall Work
- Pavement & Road Laying Work
- Windows & Doors Framing Work
- Artificial Stone works
- Boundary Wall work
- Medieval Stone Construction Concept Solution
- Stone Art works & Furniture
- Religious Stone art works
- Garden Stone Decorative

**TILE WORKS AND SERVICE**

- Internal Tile Laying Works
- External Tile Laying Work
- Base Formation and Preparation
- Vertical Tile Adhesive Work
- External Wall Tile Work
- Roof Tiling Work
- Insulated Tile Work
- Insulation Installation services
- Glass Tile Works

**METAL WORKS AND SERVICE**

- Stair and Balcony Railing Works
- Fence and Grill Works
- Metal Main Gate Works
- Trellises design and Development
- Light Metal works(Frames / Partitions/etc.)
- Garden Decorative works
- Street Lamps Works
- Metal Furniture Works

**SERVICES WE OFFER**

- **FINISH WORKS**
  - STONE WORKS
  - TILE WORKS
  - METAL WORKS
  - PAINTING WORKS
  - CONDUIT & DRAIN WORKS
  - LANDSCAPING WORKS
- **INTERIOR WORKS**
- **FURNITURE WORKS**

COMPLETION STAGE INTERIOR SERVICES

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WALL PAINTING  
WORKS

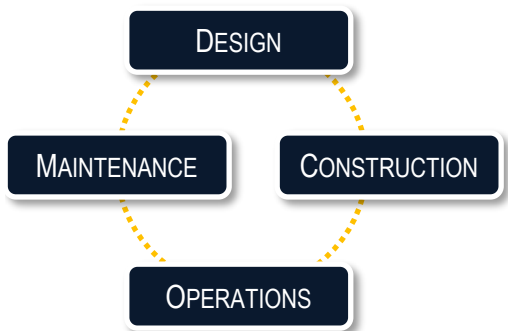
LANDSCAPING  
WORKS

UNDERGROUND  
CONDUIT & DRAIN  
WORKS



DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN

- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations & improve result of finish works.
- Detailed solutions drawing for work execution along with detailed record for future maintenance & operations.
- Installation and Execution of Finish works with keeping in mind the other building systems and other building processes.
- Step by step system testing, analysis and trouble shooting of clashing systems and solutions to ensure better usability.



### WALL PAINTING WORKS

- Wall Painting works
- Wall Paper works and solutions
- Texture painting works
- 3D Painting works
- Wall Water proofing solutions
- Insulation and Thermal Coating works
- External Wall Painting works
- ACP sheet works
- False Walls sheet works (Wood, POP, etc.)
- Acrylic Painting works (Flow, Box)

### UNDERGROUND CONDUIT & DRAIN

- Underground conduits for utilities
- Drain Design & Development works
- Underground Optical Fiber solutions
- Maintenance Tunnel & Chamber Works

### LANDSCAPING & GAREN WORKS

- Ground preparation services
- Foliage Selection and Coverage planning
- Garden Decoration works
- Indoor Foliage Planning
- Water Feature development works
- Outdoor activity ideas & Development works
- Pathway planning and development works
- Garden Lighting works

## SERVICES WE OFFER

- **FINISH WORKS**
  - STONE WORKS
  - TILE WORKS
  - METAL WORKS
  - PAINTING WORKS
  - CONDUIT & DRAIN WORKS
  - LANDSCAPING WORKS
- **INTERIOR WORKS**
- **FURNITURE WORKS**

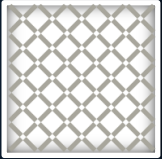
COMPLETION STAGE INTERIOR SERVICES



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TEXTURE  
SELECTION



COLOUR  
SELECTION



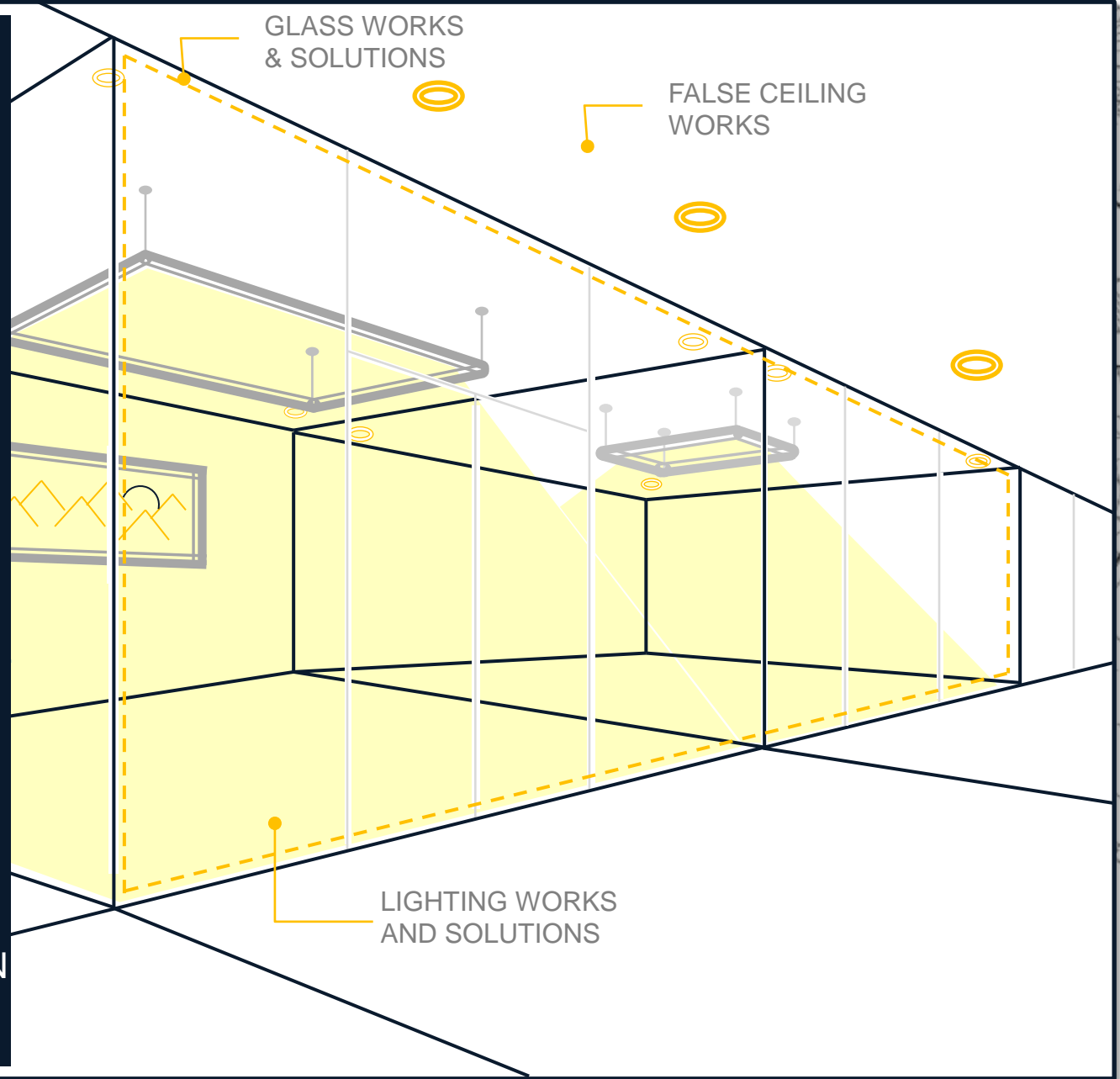
PATTERN  
SELECTION



LUMINAIRE  
SELECTION



PROJECT  
SUPERVISION



DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN



## LIGHTING WORKS AND SOLUTIONS

- Light Planning, Sustainability and Visual Comfort Analysis
- Backup light Planning & solutions
- Façade Lighting Solution
- Indoor Commercial Lighting works & Solution
- Commercial Outdoor Light works & Solution
- Decorative & Art Lighting Solution
- Smart and Automation Lighting Solution.
- Standard Consumer Lighting soln.
- Solar Street Lighting Solutions
- UV and IR Lighting Solutions
- Display Lighting Solutions
- Concealed Lighting Solutions
- Multi Weather Outdoor Light Management solution
- Special cased Lighting works & Solutions ( Extreme Temperature, Water, etc.)

## GLASS WORKS & SOLUTIONS

Standard multi thickness Glass Solutions  
Balustrades and fencing Glass Solutions  
Thermal & UV Insulated Glass Solution  
Electronic and Adaptive Glass Solutions  
Safety and Strong Glass Solutions  
Anti Reflective and Strong Laminated Glass  
Flooring & Tile Glass Solutions  
Glass Heating & Heated Glass Solutions  
Extreme Temperature Glass Solutions  
Hermetically sealed Glass Solutions

## FALSE CEILING WORKS

False Ceiling Solutions  
Dry Wall Solutions  
Gypsum Plaster Solutions  
Aluminum Framing Works & Solutions  
Fiber Cement Board Solutions  
Fire Retardant Board Solutions  
Plaster Board Solutions  
Acoustics Board Solutions  
Insulated Wall Solutions

## FABRIC AND COVER WORKS

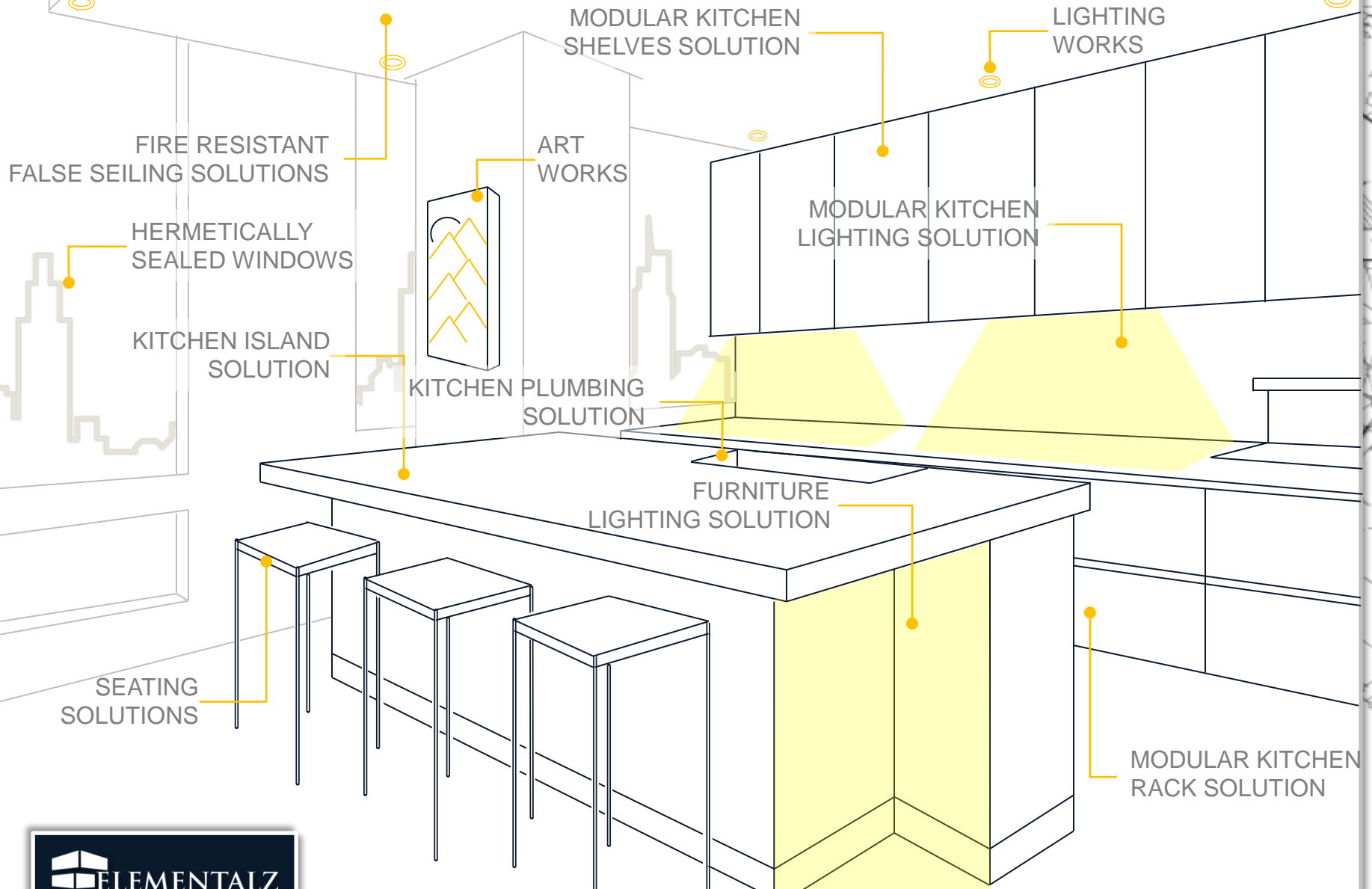
For More Information on this visit our website [www.elementalzindia.com](http://www.elementalzindia.com) or we can arrange a Meet with our specialists.

## SERVICES WE OFFER

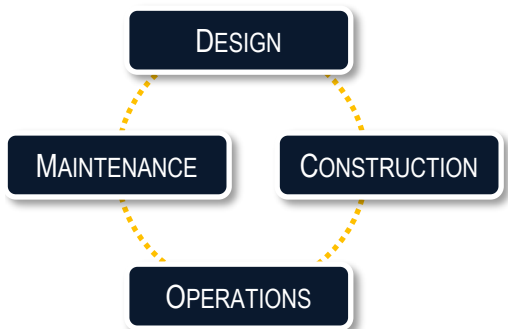
- **FINISH WORKS**
- **INTERIOR WORKS**
  - GLASS WORKS
  - FALSE CEILING WORKS
  - FABRIC WORKS
  - LIGHTING SERVICES
- **FURNITURE WORKS**

COMPLETION STAGE INTERIOR SERVICES





- Detailed site survey along with marking and analysis of any conflicts that might arise.
- Structural alteration to be done are marked for better comfort, improve operations and improve system's efficiency.
- Detailed solutions drawing for work execution along with detailed record for future maintenance & operations.
- Integration of furniture systems with other building systems like Electrical, Lighting, and other systems
- Step by step system testing, analysis & trouble shooting of installed Furniture systems so as to prevent clash with other system solutions.
- Testing of Ground and Building for possible threat to furniture and other installed systems



### FURNITURE WORK AND SOLUTIONS

Office Furniture Works and Solutions  
 Classroom Furniture Works and Solutions  
 Kitchen and Dining Furniture Works  
 Gym Design Works and Solutions  
 Bedroom Furniture Works and Solutions  
 Bathroom and utilities Setup Works  
 Storage and Shelving Solutions works  
 Drawing room Furniture Solutions  
 Living and Recreation room Furniture Solution  
 Lobby & Commercial Furniture Solutions work

### MODULAR/MODERN KITCHEN WORKS AND SOLUTIONS

Modular Kitchen Shelf and Racking Solutions  
 Multi faced Lighting Solutions  
 Kitchen Appliance Planning and Solutions  
 Kitchen Seating and Dine in Furniture  
 Equipment Automation  
 Kitchen Plumbing Solutions  
 Fire Fighting Solutions for Kitchen  
 Dine-in furniture & Dispense Counter Solution  
 Modular Menu Display Solutions  
 Smoke and Air Ventilation Solutions  
 Kitchen Equipment Planning and Solutions  
 Kitchen Climate Control Storage Solutions  
 Kitchen Heating And Cooling Solutions  
 Kitchen Cleaning and Sanitation Solutions  
 Gas Piping and Fire system Solutions  
 Kitchen Baking Solutions



ORIGINAL OEM  
PRODUCTS



TRAINED  
TECHNICIANS



CUSTOMER  
SUPPORT



QUALITY  
INSTALLATION

## SERVICES WE OFFER

- FINISH WORKS
- INTERIOR WORKS
- FURNITURE WORKS
  - FURNITURE WORKS
  - MODULAR KITCHEN WORK

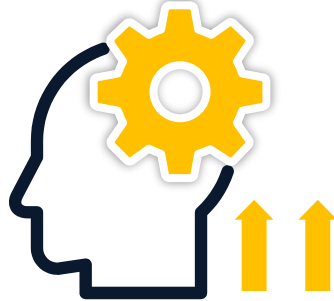
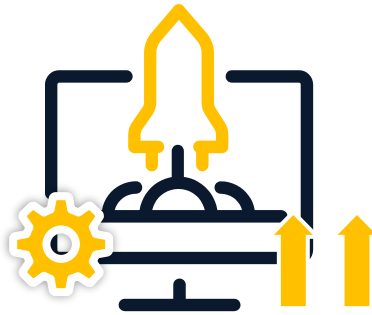
COMPLETION STAGE INTERIOR SERVICES



MORALE  
BOOSTER



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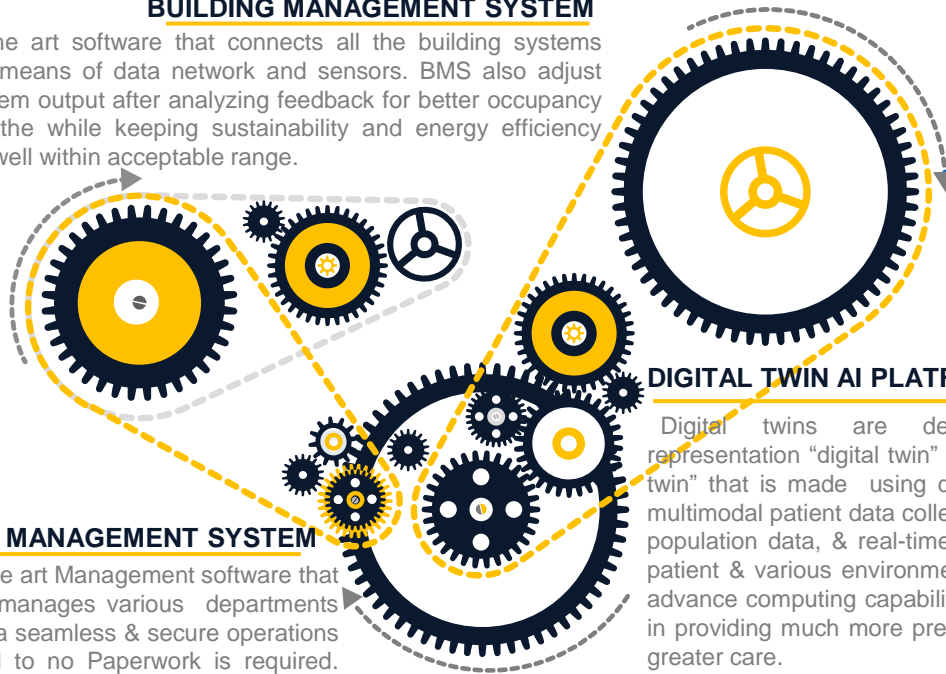
BOOST  
CREATIVITY



VERSATILE  
PLATFORM

## BUILDING MANAGEMENT SYSTEM

State of the art software that connects all the building systems together by means of data network and sensors. BMS also adjust building system output after analyzing feedback for better occupancy comfort, all the while keeping sustainability and energy efficiency parameters well within acceptable range.



## DIGITAL TWIN AI PLATFORM SYSTEM

Digital twins are defined as virtual representation “digital twin” of patients “physical twin” that is made using data generated from multimodal patient data collected over the years, population data, & real-time data updates from patient & various environmental variables. With advance computing capabilities Digital twin help in providing much more precise healthcare with greater care.

## HOSPITAL MANAGEMENT SYSTEM

State of the art Management software that connects & manages various departments together for a seamless & secure operations with minimal to no Paperwork is required. Provides platform for healthcare providers to be connected with patients in real time beyond healthcare premises

Over the years it came to our attention that due to lack of proper integration & communication between the three systems, which on occasion has led to bad experience for the users and owners. To Counter act these lack of integration between systems, we are providing all the three system solutions in a single package.

Empowered with latest Artificial Intelligence core that enable early detection of conflicts among various systems and also reduce the risk of system wide shutdown or failure. Integrated system keeps all the party involved updated in real time and can even suggest course of action for troubleshooting.

As mentioned earlier our solutions are well integrated and powered with AI, but those are not the only technology in its arsenals, They have Virtual reality, Digital Twin, Augmented reality and much more, with computing capabilities powered by Virtual GPUs and start of the art Hardware.



VIRTUAL REALITY



AUGMENTED REALITY



AI POWERED



CLOUD BASED

## SERVICES WE OFFER

- BUILDING MANAGEMENT
- FACILITY MANAGEMENT
- E-HEALTH PLATFORM

COMPLETION  
STAGE  
HEALTHTECH  
SYSTEMS



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WATER STORAGE



VRF HVAC PLANT



SWIMMING POOL



Wi-Fi COVERAGE UNIT



SOLAR POWER PLANT



HEXOTROPIC TREE COVER



SPACIAL SENSOR UNIT



BUILDING CONTROL ROOM



VEHICLE PARKING



EV CHARGING STATION



BMS  
COMPONENTS

DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN

## METERING :

One of the most important role played by BMS is the day to day metering of utilities which ensure optimum & efficient consumption of various resources by the building operation. An array of monitoring and metering sensors throughout the building which send data in real time to BMS and using advance analytics powered by AI, BMS can suggest corrective measure if there are deviations from optimal.



ELECTRICITY



WATER



GAS

## WELL BEING :

Monitoring Well Being of the occupant of the building is another critical role played by BMS using a network of spacial sensors placed throughout the building which sense and analyze various parameter of the internal environment like Temperature, Humidity, Noise pollution, Air Quality, Gas leaks, etc. Powered with advance AI, it can raise alert and provide authorities with counteractive action plan.



TEMP/HUMIDITY



NOISE



CO<sub>2</sub>

## OCCUPANCY :

With the help of state of the art occupancy sensors, BMS is always aware of presence of occupants & if allowed can use this data to manage traffic flow (People/ Vehicle) in the premises so as to prevent the risk of over crowding, road jam, lack of access, etc. It uses AI to prepare logic step by step action plan to manage the premises. BMS can also helps in evacuating personnel in case of emergencies.



OCCUPANCY



PARKING



FLOW

## BIG DATA PLATFORM



CAFM/IWMS



PERFORMANCE BENCHMARK



THIRD PARTY DATA INPUT



ACCOUNTING AND UTILITY EXPENSE



BUILDING MANAGEMENT SOLUTIONS



DIGITAL TWIN SYSTEM



BUILDING OCCUPANT ACTIVITIES



SOCIAL MEDIA / DIGITAL USER PLATFORM



USER INTERFACE KIOSK PLATFORM



DATA ASSIMILATION & VISUALISATION



AI BASED ANALYTIC REPORTING

DATA INPUTS

USER INPUT

ANALYSIS

## SERVICES WE OFFER

- BUILDING MANAGEMENT
- FACILITY MANAGEMENT
- E-HEALTH PLATFORM

HEALTHTECH SYSTEMS

COMPLETION STAGE



People who are the backbone of the Medical Facility & whose vision guides the Facility, its growth and future. Management team needs to have eagle eye view of the Medical facility and its working for making quick, best possible & appropriate decisions.

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Effective and timely healing of the Patients are the primary reason for existence of Health Network. It is important to have transparency & clarity with patient, & provide them with proper support system that enable them to make proper decisions.

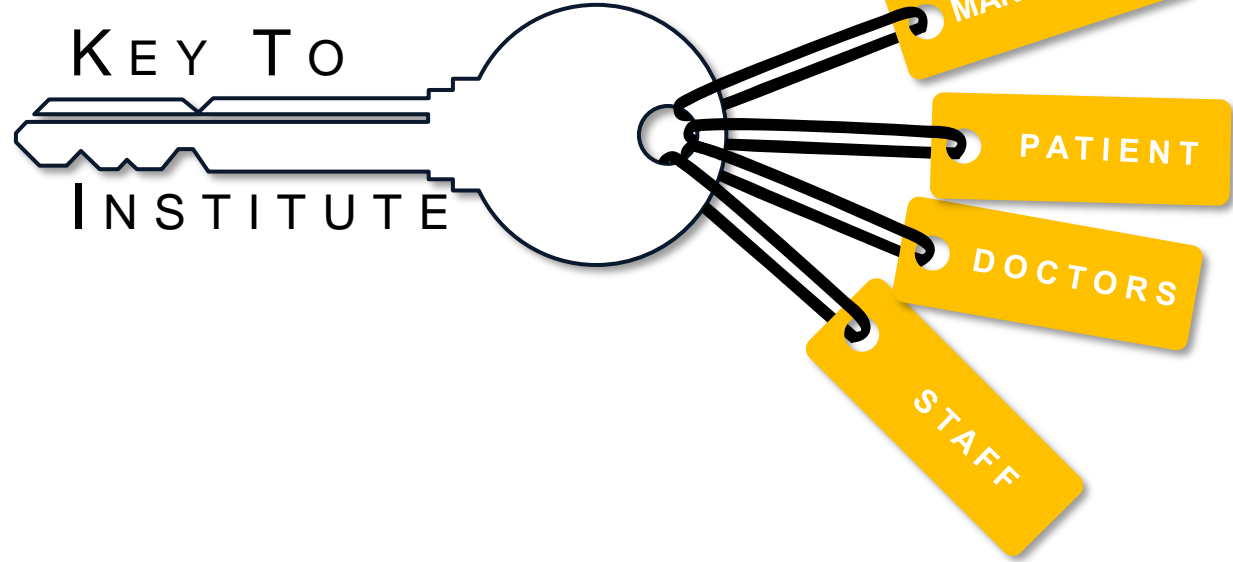
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Doctors are backbone of health care system, who are responsible for taking care & helping patients with healing. Doctors need access to accurate patient data in real time to make best possible treatment & do necessary tweaks required for better healing of patients.

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Staff are the blood vessels that keep the healthcare infrastructure running. Support staff have to be well informed and coordinated with various departments as well as other support staff.

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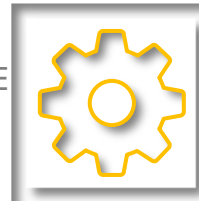
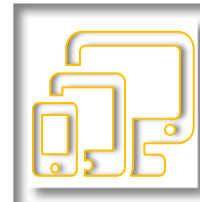
GLOBAL  
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EFFICIENT  
DATABASE



SECURE  
PLATFORM

MULTI DEVICE  
ACCESS



RELIABLE  
OPERATION

ACCURATE  
DATA





## MANAGEMENT



### Benefits:

- Multiple Campus Management
- Complete Automation of back office process.
- Effective integration of Hospital, admin & business process.
- Effective and single platform for constant communication between the Medical Staffs, Hospital admin, and Patients.

## DOCTORS



### Benefits:

- Availability of more time for Doctors to attend the patients
- Automation of Administrative work like paperwork and patient information.
- Tracking Patients' History and preparing action plan accordingly.
- Transparent and good Quality interaction between Doctor and patients.

## PATIENTS



### Benefits:

- Safe & secure space for communication between Doctor and patients.
- Online submission and retrieval of patient data, treatment plan, etc.
- Real time access to Hospital/Doctor calendar, Updates, Announcements.
- Access to Online content, Digital consult, Feedback and Patient Monitoring

## STAFF



### Benefits:

- Real time communication between staff of various departments
- Regular update on Performance, Activity and other pertaining data of staffs.
- Increase situation awareness between multiple departments, and Vendors.
- Live location Tracking of Staff along with tracking of assignment and results.

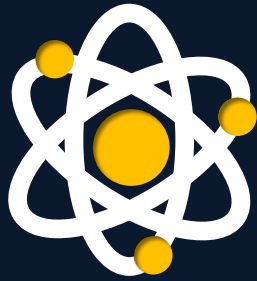
CONNECTING  
VARIOUS  
ELEMENTS  
TOGETHER

## SERVICES WE OFFER

- BUILDING MANAGEMENT
- FACILITY MANAGEMENT
- E-HEALTH PLATFORM

COMPLETION  
STAGE  
HEALTHTECH  
SYSTEMS





**CORE MANAGEMENT  
MODULE**

**PATIENT MANAGEMENT  
MODULE**

- ADMISSION MANAGEMENT
- ATTENDANCE MANGEMENT
- FEES MANAGEMENT
- TIME TABLE SCHEDULE
- INSURANCE
- PATIENT HEALTH

**STAFF & HR MANAGEMENT  
MODULE**

- ATTENDANCE MANGEMENT
- TIME TABLE SCHEDULE
- EMPLOYEE MANAGEMENT
- HR MANAGEMENT
- PAYROLL MANAGEMENT
- FRONT OFFICE



**RESOURCE MANAGEMENT  
MODULE**

**HOSTEL MANAGEMENT**

**AMBULANCE MANAGEMNT**

**INVENTORY MANAGEMENT**

**ASSET MANAGEMENT**

**ACCOUNTING MNGMNT.**

**DOCTOR NETWORK**

**LABORATORY MNMGMNT.**

**PATIENT AGENT MNMGMNT.**

**EMERGENCY RESPONSE**



**COMMUNICATION  
MODULE**

**NEWS PLATFORM  
MANAGEMENT**

**FORM DOCUMENTATION  
PLATFORM**

**WEBSITE CONTENT  
MANAGEMENT**

- POLLS
- GALLERY
- EVENT DECLARE
- DISCIPLINARY HEARING  
RESULT
- DECLARATION

**QUERY FEEDBACK FORM  
PLATFORM**

**PUBLIC RELATIONS  
MANAGEMENT**

**EMERGENCY  
COMMUNICATION  
PLATFORM**



**DATA MANAGEMENT  
MODULE**

**DASHBOARD USER  
INTERFACE**

**REPORT ACCUMULATION &  
DISPENSING PLATFORM**

**QUALITY BIG DATA AND  
PERFORMANCE METRIC  
VISUALIZATION**

**ARTIFICIAL INTELLIGENCE  
POWERED DATA ANALYSIS**

**TASK & TIMELINE PLANNING  
WITH FUNCTIONAL GOALS**

**WORK FLOW BUILDER AND  
INFORMATION MANAGEMENT**

**MULTI HOSPITAL DATA  
COMPILATION & REPORT**



UPGRADATION &  
MIGRATION TO  
PAPERLESS SYS.



PROCESS AND  
SOFTWARE  
TRAINING

## PLATFORM INTEGRATION

- SMS / E-MAIL
- RFID ATTENDANCE SYSTEMS
- ONLINE PAYMENT
- ONLINE SESSIONS
- ONLINE EXAMINATION
- TALLY INTEGRATION
- VEHICLE TRACKING SYSTEM
- WHATSAPP INTEGRATION
- MOBILE APPLICATION
- BIO METRIC CONNECTIVITY
- BARCODE MATRIX SYSTEM
- ONLINE PORTAL
- DYNAMIC WEBSITE



## SERVICES WE OFFER

- BUILDING MANAGEMENT
- FACILITY MANAGEMENT
- E-HEALTH PLATFORM

COMPLETION STAGE  
HEALTHTECH  
SYSTEMS

INSTALLATION  
AND PROCESS  
IMPLEMENTATION



CUSTOMIZABLE  
MANAGEMENT  
SOLUTIONS



PROCESS AND  
SYSTEM WIDE  
UPGRADE

REAL TIME  
WEB  
CONNECTIVITY



INTEGRATION  
WITH MULTIPLE  
SYSTEMS



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CLINIC PLATFORM

HOSPITAL PLATFORM

SKILL TRAINING

MEDICAL COLLEGE

EMERGENCY TRAINING

UNIVERSITY PLATFORM

COACHING PLATFORM

MANY MORE...



Empowering Doctors, Mentors, Health Professionals, Institutes, Government department, & Medical Staff to unlock their Full Potential, all the while ensuring protection of mental health and well being of Doctors and Staff. With up to date knowledge database availability and uninterrupted connectivity between Patients and Doctors ensuring better understanding and communication between patient and doctors.

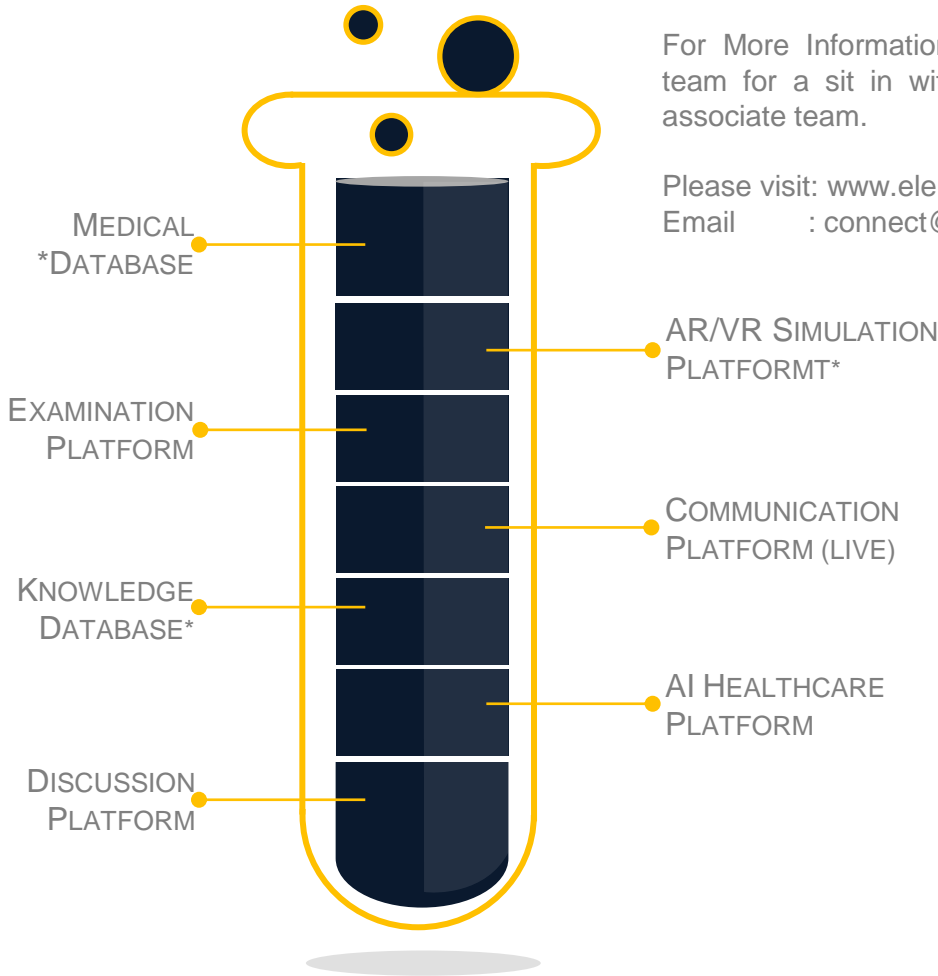


E-Health Platform is highly varied and extremely customizable, hence our associates design and develop Health Management System tailored to needs and requirement of each individual Institutes or Facilities. Despite difference it is well integrated with Building Management System and Institute Management System. It is power with one of Arch Angel AIs known as **Haakim platform**.

By analyzing digital twin of patients, AI can help detect, analyze and predict various ailments or apparitions that are occurring or may occur in the future. Thereby improving the chance of patient survival and reduce human error or lack of effort in patient treatment.

For More Information connect with our sales team for a sit in with our HMS development associate team.

Please visit: [www.elementalzindia.com](http://www.elementalzindia.com)  
Email : [connect@elementalzindia.com](mailto:connect@elementalzindia.com)



## SERVICES WE OFFER

- BUILDING MANAGEMENT
- FACILITY MANAGEMENT
- **E-HEALTH PLATFORM**

COMPLETION STAGE  
HEALTHTECH  
SYSTEMS

\* T&C Applied

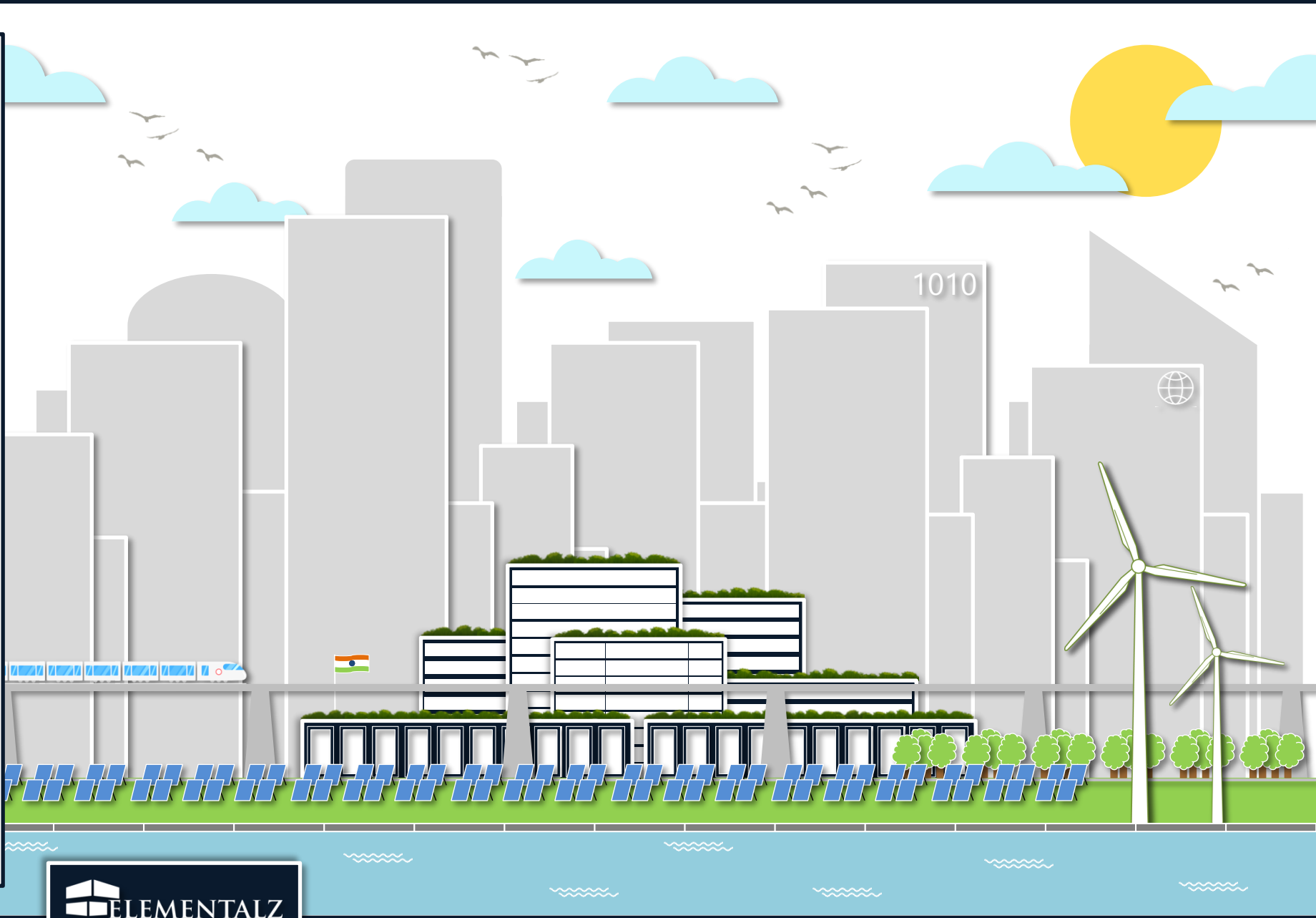


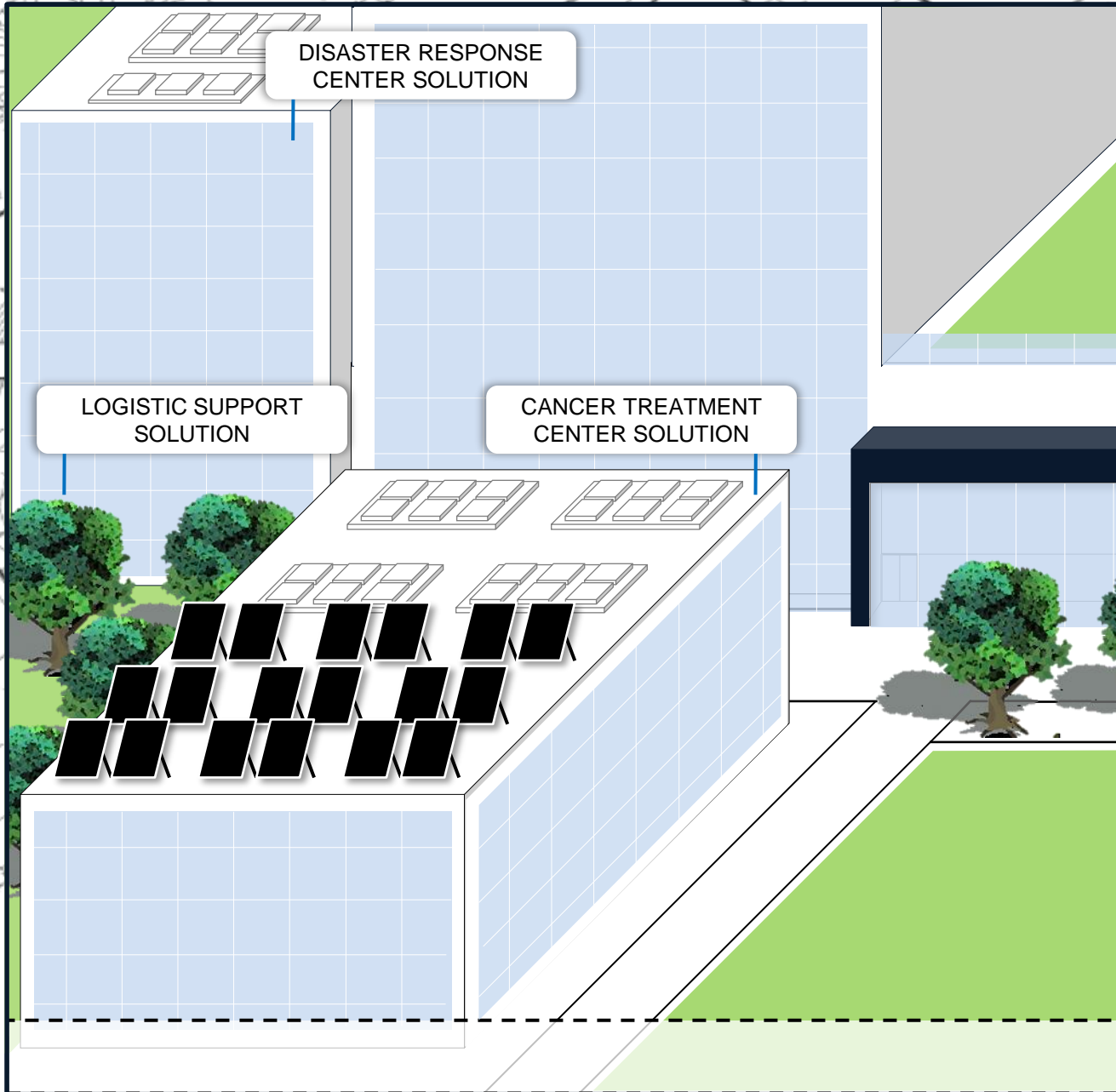
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**ELEMENTALZ**  
Combining Elements For Building

AUXILIARY SOLUTIONS





CANCER CENTRE  
SOLUTIONS

DISASTER RESPONSE  
CENTRE SOLUTIONS

LOGISTIC SUPPORT  
SOLUTIONS

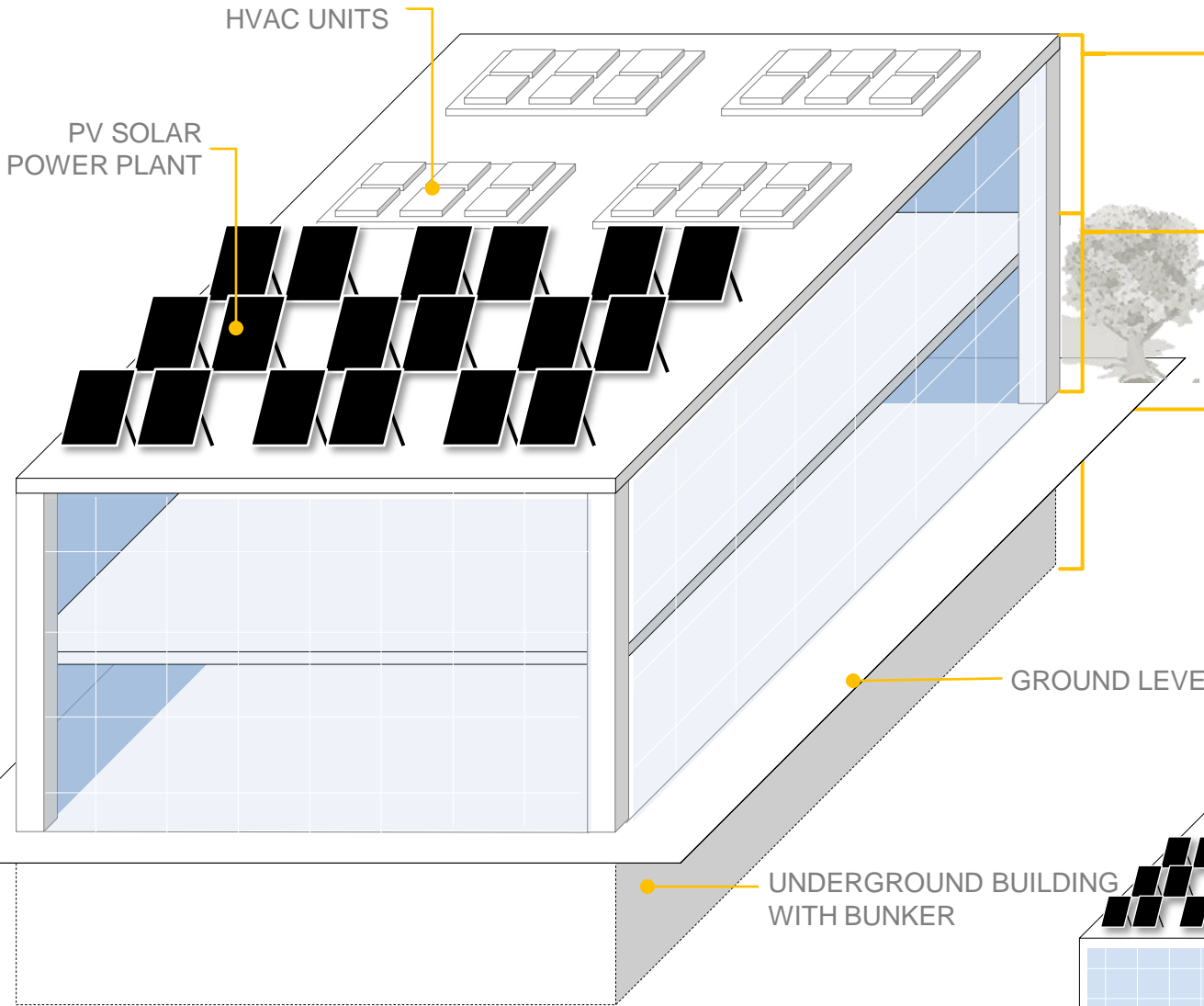
MISC. BUILDING  
SOLUTIONS

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HVAC UNITS

PV SOLAR  
POWER PLANT

**INFUSION CENTER**

- CHEMO THERAPY
- STEM CELL THERAPY
- EXTRACTION OT
- ICU

**COMMON AREA**

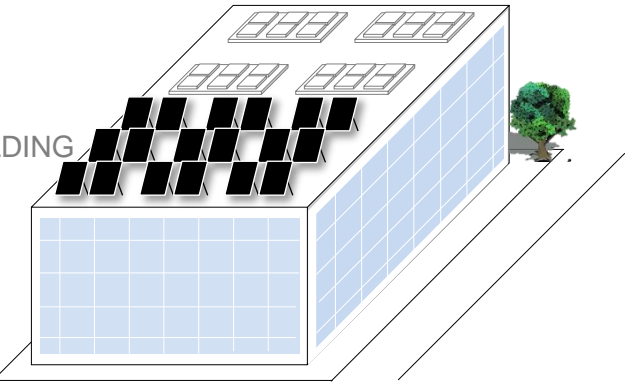
- WAITING AREA
- DAYCARE
- PHARMACY
- ADMINISTRATION

**RADIOTHERAPY CENTER**

- RADIOTHERAPY
- BRACHITHERAPY
- CT SIMULATOR
- MOULDING
- PROSTHETIC
- ICU/EMERGENCY
- AHU+SCRUBBER UNIT

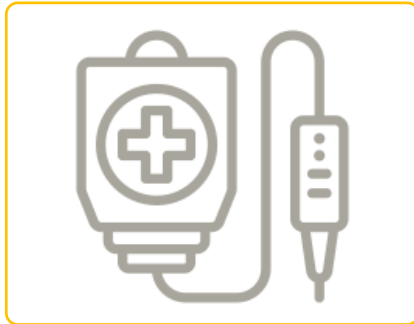
GROUND LEVEL

UNDERGROUND BUILDING  
WITH BUNKER





Cancer Treatment centre consist of multiple departments. On the basis of functionality Cancer Treatment Centre is divided into three parts, Common area, Infusion Centre and Rad Centre. Each area presents its own challenges with respect to patients, Doctors, Staff and Family members.



INFUSION CENTRE



COMMON AREAS



RAD CENTRE

## SERVICES WE OFFER

- **CANCER CENTRE SOLN.**
- DISASTER RESPONSE CENTRE SOLUTIONS
- LOGISTIC SUPPORT SOLUTIONS
- MISC. BUILDING SOLUTIONS

CANCER CENTRE SOLUTIONS

**AERB**  
CERTIFICATION

COMMON AREAS: Various of the facility that is generally accessible to everyone from patients to medical staff and even family members. They play a critical role in morale boosting of patients, doctors & medical staff. These area are generally well lit and ventilated.

**STAFF**  
CERTIFICATION

Various Parts of Common Areas:



**FINANCE**  
SUPPORT



**SUPPORT**  
SERVICES

EXTRACTION  
O/T

NURSE  
STATION

CHEMOTHERAPY  
CHAIR

STEM CELL  
THERAPY CHAIR

FIRST LEVEL

GROUND LEVEL

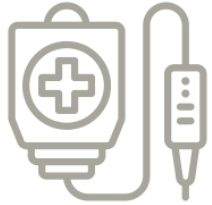
## INFUSION CENTER

- CHEMO THERAPY
- STEM CELL THERAPY
- EXTRACTION OT
- ICU



## SERVICES WE OFFER

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### INFUSION CENTRE:

Cancer Treatment centre consist of multiple departments. Infusion centre houses equipment needed for Chemotherapy, Stem Cell Therapy & other infusion based therapies. Equipped with a good interior layout & view, it boosts patient morale. It also hosts other sections like Extraction OT, Climate controlled storage facility, meal centre, changing rooms, private wards and much more.



NURSES' STATION



INFUSION CHAIRS



CONSULTATION RM



PRIVATE WARDS



EXTRACTION OT



ICU UNIT



WALK-IN PANTRY



PHARMACY

### ENTERTAINMENT SYSTEM

With advancement in approach to treatment of Cancer & other diseases, Facilities have to be equipped with components that aide patient to better their mental wellbeing & also improve lifestyle for a more healthier living.

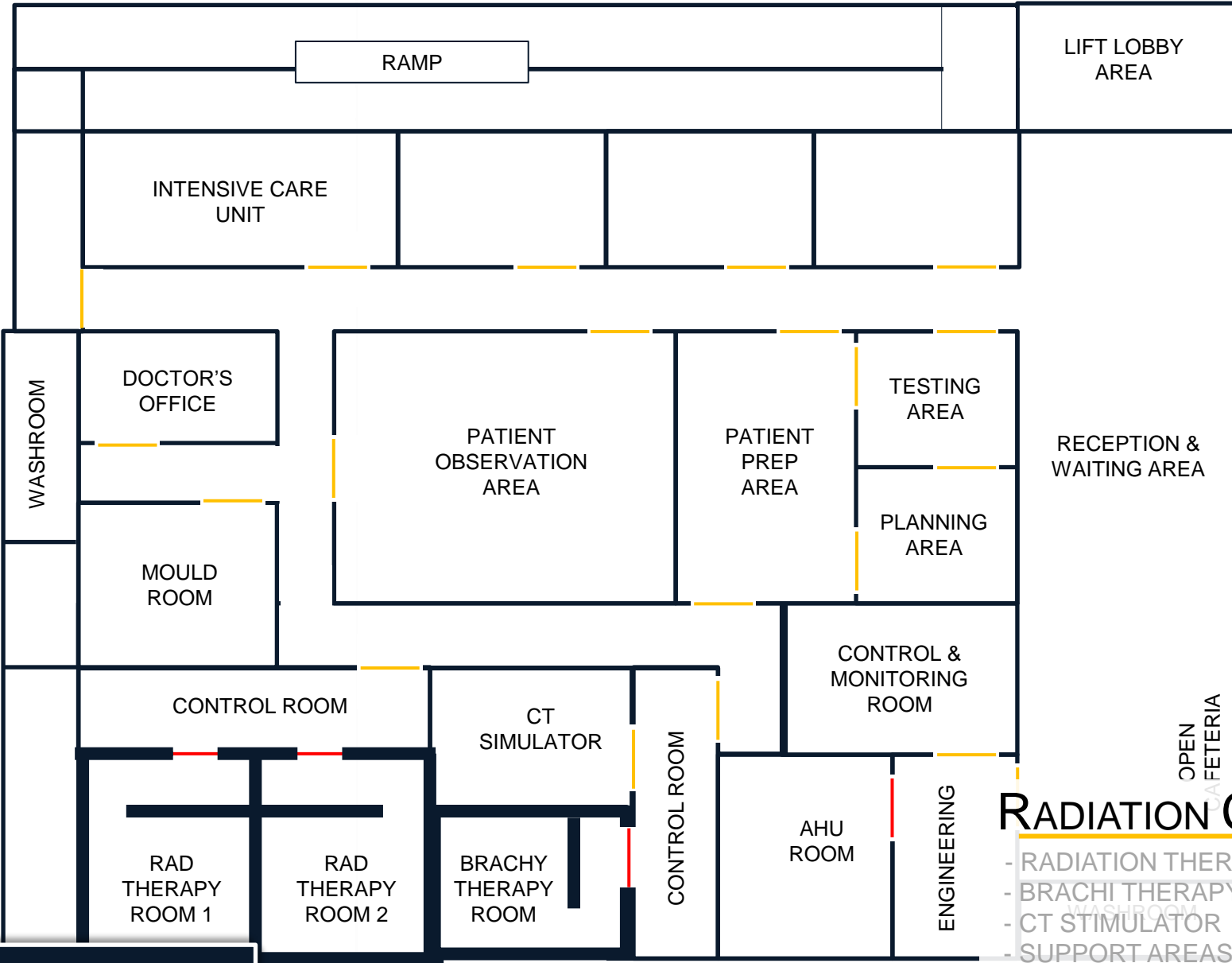
### MEDITATION CENTRE

New studies have shown better result for patients when they assigned additional therapies like LED treatment, sensory treatments, counselling, even spiritual guidance, etc. As per the requirement of the Hospital and the doctors we design & develop the Infusion centre along with the associated services.

### IMMERSION CENTRE

We have also selected couple of vendors & services that provide bundle packages to be offered to the patients for a more comfortable stay at the Infusion centre during the course of treatment.





# RADIATION CENTER

- RADIATION THERAPY
- BRACHI THERAPY
- CT SIMULATOR
- SUPPORT AREAS
- EMERGENCY / ICU



LINAC BUNKERS



RADIATION THERAPY CENTER

Radiation therapy center designing is a very challenging task as it requires to overcome a lot of challenges ranging from Safety, Reliability, Resilience, patient and Medical staff morale boosting along with caring for mental wellbeing of the occupants

For better management of the radiation therapy center it is divided into following:

PUBLIC ZONE

TREATMENT ZONE

MISCELLANEOUS



BRACHY THERAPY CENTER

1) **Public zone** comprises a reception area, Doctors' chambers, Food pantry and a waiting area for family members (after patient is taken into patient zone)

2) **Treatment Zone**

- **Patient zone** consists of a changing room for patient & a waiting/observation area for the patient before he/she is taken into treatment zone.
- **Diagnostic Zone** has a CT simulator and a PET/CT simulator for enabling oncologists to use multiple imaging techniques by localizing and targeting the tumor with high-tech precision to enhance the accuracy of radiation treatment planning.
- **Treatment zone** is the area where patient receives radiotherapy. It consists of LINAC or Linear Accelerator bunkers, Brachytherapy, console/control room (occupied by oncologists and technicians). LINAC is the equipment present in the bunker to eradicate cancer cells..
- **Post Treatment zone** is where the medical and care giver both have access to patient and attend to the patients. Patients are kept for observation to ensure there are no immediate emergencies.

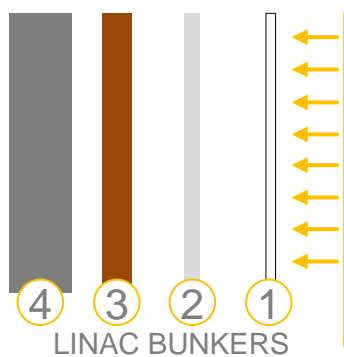


CT SIMULATION CENTER



EMERGENCY / ICU

3) **Miscellaneous Zone:** Engineering and other Departments



LINAC Bunkers are mandated to conform to BARC shielding requirements. Generally, the bunkers are planned in 2.4 to 3.0 meters thick walls and ceilings of concrete depending on the type of LINAC instrument used. High density materials and special formulated materials are supposed to be used in walls, ceiling and floor.

LINAC bunkers generally located in the basement but in flood prone areas like coastal cities, river bank cities and Flood prone areas with inadequate drainage facilities they can be located on the ground floor. To improve safety and prevent radiation leakage in ground floor location design additional fortification is added to the exterior Walls, Roof and Floor.

1-Paper 2-Thin metal layer(Al) 3-Thick metal layer(Pb/steel) 4-Thick concrete

SERVICES WE OFFER

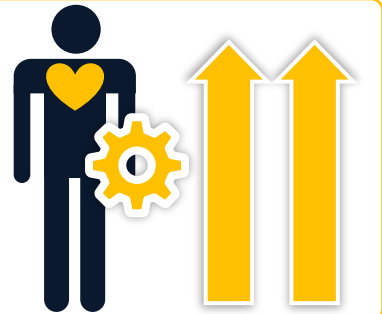
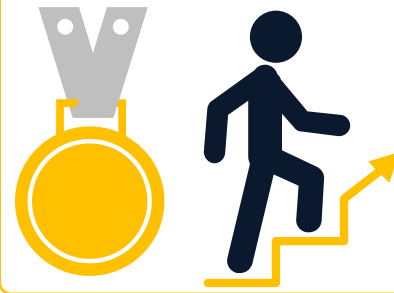
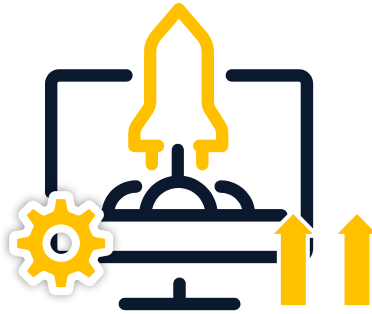
- **CANCER CENTRE SOLN.**
- **DISASTER RESPONSE CENTRE SOLUTIONS**
- **LOGISTIC SUPPORT SOLUTIONS**
- **MISC. BUILDING SOLUTIONS**



MORALE  
BOOSTER



SUSTAINABLE  
DEVELOPMENT



IMPROVE  
MENTAL HEALTH



IMPROVE  
SKILL & WELL  
BEING

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## BUILDING SUPPORT SYSTEMS

- CLIMATE CONTROL SYSTEM
- WATER RECYCLE SYSTEM
- SOLAR POWER PLANT UNITS
- AIR PURIFICATION & VENTILATION
- WATER TEMPERATURE CONTROL
- WTP & STP
- DEDICATED POWER GRID
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- GOOD QUALITY SAFETY MATERIAL
- GOOD QUALITY FLOORING
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- STRONG BUILDING STRUCTURE

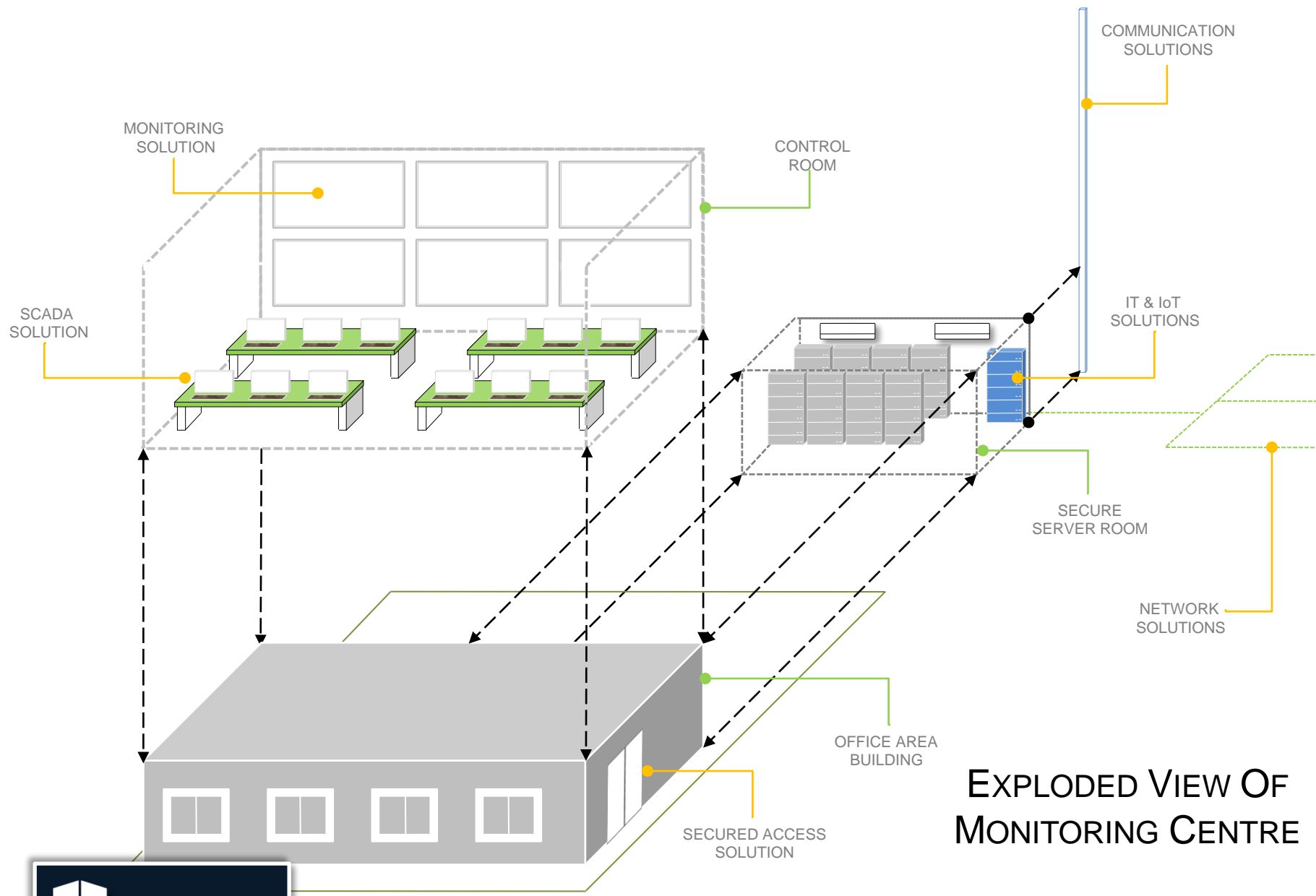
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- **CANCER CENTRE SOLN.**
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CANCER CENTRE SOLUTIONS



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## EXPLODED VIEW OF MONITORING CENTRE



DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN



## AUTOMATION SOLUTIONS

- As per analysis of all the natural elements, power modules are optimized for peak output.
- But natural elements follow a different path or grid varying from day to day even hour to hour.
- To counter this problem positioning motors are placed with the production module which adjust automatically or via command from control centre.
- Ensuring best energy output from the power production module.

## MONITORING SOLUTION

- We offer complete 360 monitoring solutions ranging from design services to complete setup
- Our Design of control rooms improves well being and comfort of the users, preventing work related fatigue.
- By using reliable OEM product for the solutions we ensure reliability, resilience and robustness of the solutions
- Our monitoring solutions also include physical world's surveillance like cameras and drones .

## IT & IoT SOLUTIONS

- Real time analysis and monitoring of various performance and system parameters is crucial
- We have partnered up with best hardware OEM to develop start of the connectivity network with minimal to none delay in data transmission.
- Our fast IT & IoT solutions enable power plant to orient itself to natural elements ensuring peak output and performance at all times.
- With these system we can also predict or isolate and greatly decrease probability of accidents from happening.

## SCADA & PLC-DCS SOLUTIONS

- We have partnered with one of the top software companies to develop a cutting edge SCADA solutions for our clients, which is custom made to each clients' preference.
- This Software is very efficient & secure enabling reduction of threat for digital hacks.
- We have also developed cutting edge PLC solutions which are responsive and reliable , coupled with robust IoT network we can ensure higher efficiency in the system.
- Our SCADA & PLC solutions are compatible with most types of VPN.

## SERVICES WE OFFER

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- **DISASTER RESPONSE CENTRE SOLUTIONS**
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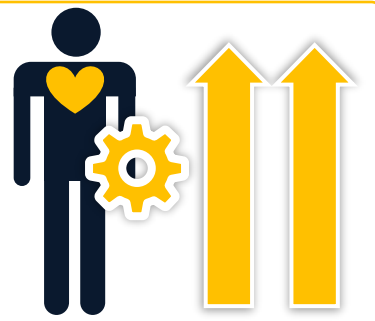
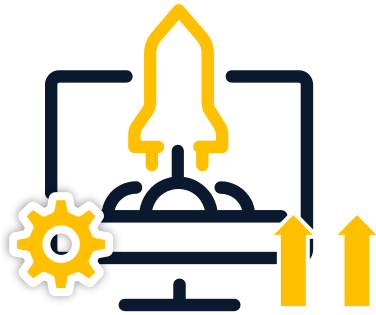


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MORALE  
BOOSTER



SUSTAINABLE  
DEVELOPMENT



IMPROVE  
MENTAL HEALTH



IMPROVE  
SKILL & WELL  
BEING

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## SERVICES WE OFFER

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- **DISASTER RESPONSE CENTRE SOLUTIONS**
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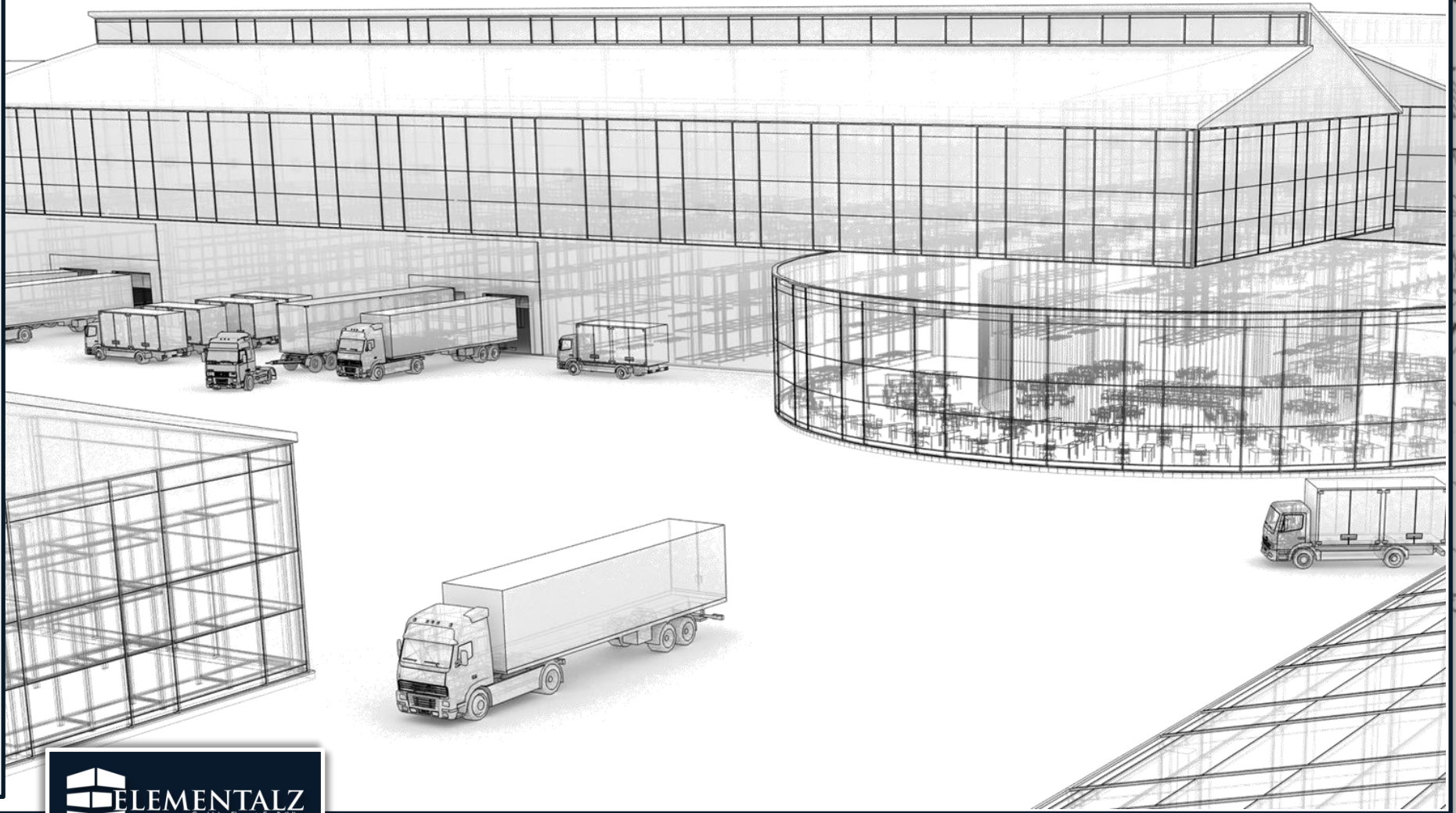
DISASTER RESPONSE CENTER

AUXILIARY SOLUTIONS



ELEMENTALZ  
Combining Elements For Building

LOGISTIC  
SUPPORT  
SOLUTION



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## AMBULANCE BAY SOLUTIONS

Ambulances play a crucial in bringing patients to the hospital, but due to certain events there might be over crowding and may lead to back logging of ambulances thereby increasing the time it requires patient to reach the medical facility.

Careful planning is to be done for designing and developing the ambulance bays which enables quick intake of patients and faster ambulance interactions with the hospital unit.

Ambulance bay solutions consist of 4 major elements, Priority access corridor, Ambulance dock, Ambulance Parking & Maintenance unit . Management is done by monitoring center

## MEDEVAC SOLUTIONS

For Information on this topic Please refer to Mobility and Logistics brochure.



## COLD CHAIN SOLUTION

For Information on this topic Please refer to Mobility and Logistics brochure..



## STORAGE SOLUTIONS

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CRICKET/FOOTBALL  
GROUND

GYM  
AREA

OUTDOOR  
OPEN SPACE

CONTROL  
CENTER

YOGA  
CENTER

BASKET BALL  
COURT

INDOOR SWIMMING  
POOL DIVE PLATFORM

INDOOR SWIMMING  
POOL

REGISTRATION  
DESK

SPORTS  
COMPLEX



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## PARTS OF SPORTS COMPLEX



Sports complex consists of multiple services & facilities that facilitate training of body and mind. Which in turn improve focus, boost morale and also help Students who wish to pursue careers in sports. Our solutions are design by keeping need of Students in mind with focus on the adaptability of facilities as Patients progress with the training. We use OEM equipment with proven track record & latest technology which support mentoring, attribute training, and other activities.

### INDOOR SPORTS COMPLEX

- BADMINTON
- TENNIS
- TABLE TENNIS
- BASKET BALL
- SQUASH
- SOFTBALL
- VOLLEYBALL
- ICE HOCKEY
- HANDBALL
- SWIMMING
- RIFLE SHOOTING
- KABADDI
- BOARD GAMES

### OUTDOOR SPORTS COMPLEX

- FOOTBALL
- CRICKET
- RUGBY
- TRACK & FIELD
- SOCCER
- LACROSE
- ARCHERY
- WHEEL SPORTS
- HOCKEY
- BASEBALL
- EQUESTRIAN
- EXTREME SPORTS

### E-SPORTS ARENA

- RPG STRATEGY GAME PLATFORM
- FIRST PERSON ROLE PLAYING GAMES
- E-SPORTS ARENA
- VR/AR GAMING STATIONS

### GYMNASIUM CENTER

- COMBAT SPORTS
- GYMNASTICS & ACROBAT
- STRENGTH TRAINING
- ROCK CLIMBING

### SUPPORT SERVICE COMPLEX

- CHANGING ROOMS
- MESS HALL
- LOCKER DECKS
- MEDITATION UNIT
- PHYSICAL THERAPY CENTER
- SELF CARE UNITS

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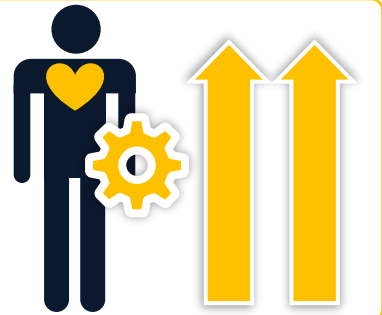
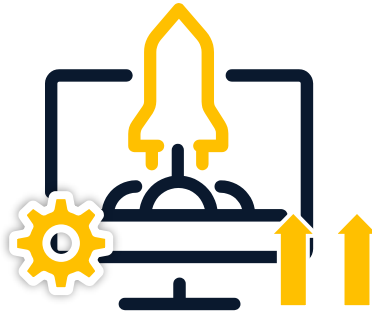
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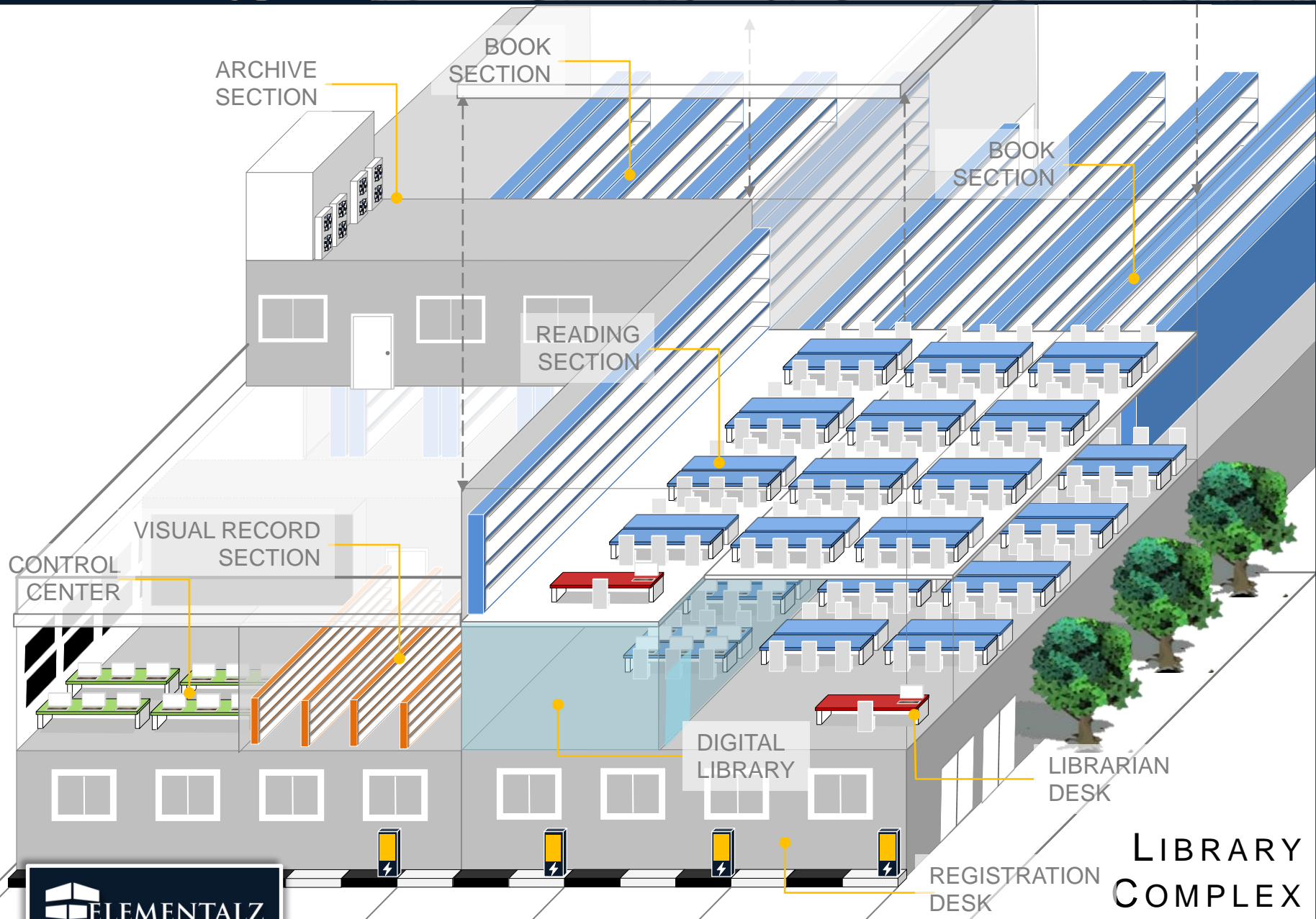
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LIBRARY SOLUTIONS



LIBRARY COMPLEX

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## LIBRARY COMPLEX COMPONENT



Library complex is designed with focus on and around Students, Staff and Books or knowledge component. Library houses knowledge in multiple format be it paper, digital, or Audio-Video and perennial Wi-Fi access to cloud via intranet for use with handheld devices. Knowledge in whichever format is carefully indexed, and is stored accordingly in alphabetical order and subject wise. Special care is taken to enable access to everyone including differently abled

## LIBRARY COMPLEX KNOWLEDGE



In a modern library knowledge is stored in many formats like books, digital media, records and paper. Special storage is required for most of them to store them for long time without degrading the content stored. With a diverse personnel on board we have professionals that can design and develop state of the art digitization center should a library has analog books/text that needs to be digitalized. Special climate control solutions are used that reduce the risk of book detrition and with periodic maintenance books can also be safeguarded from termite and other pests. We also design state of the art audio-video repository and servers that can stand most of the things thrown at them.

## LIBRARY COMPLEX STAFF



Despite advances in automation most modern library are still brick & mortar & that too with books(knowledge assets), which means they need to be manned by humans to protect and manage these knowledge assets. We carefully design and plan library with a concern for comfort , efficient operation & smooth accessibility of the staff in various parts of the library. Ergonomic design of furniture with soft color combination for visual and physical comfort of the staff posted is also consideration during design & planning of Library interior. Additionally we provide systems that connect with central systems which makes their access easy for staff via easy to use Interface either on their handheld devices.

## LIBRARY COMPLEX Patients



Students are the reason for making libraries in the first place, Library ensures sharing of knowledge is accessible to people from all walks of life and also passed down to future generations. Towards this end we design and develop library that is Patients friendly which create a safe and comfortable environment for a Patients to stay during his studies. Integrated with IMS, Geo fencing and RFID technology we can reduce the threat a Patients might face while travelling to and from library in Institute premises. Our IMS development associate have developed User Friendly Interface allow Students to easily search for results they need, be it digital, Analog, books or any other media in the Library.

## SERVICES WE OFFER

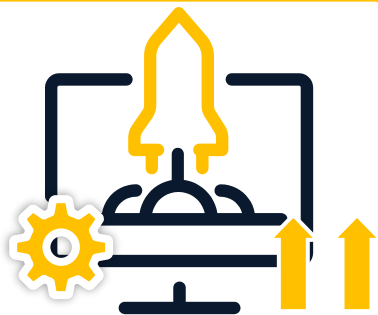
- CANCER CENTRE SOLN.
- DISASTER RESPONSE CENTRE SOLUTIONS
- LOGISTIC SUPPORT SOLUTIONS
- MISC. BUILDING SOLUTIONS



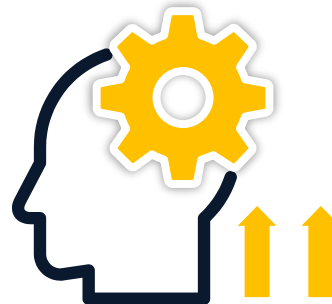
MORALE BOOSTER



SUSTAINABLE DEVELOPMENT



IMPROVE MENTAL HEALTH



IMPROVE SKILL & WELL BEING

Sustainability is at the core of our Interior design and development solutions which enable us to provide our clients with unique perspective that will help the client and Nature as well.

Our Auxiliary building solutions comprise of a synergetic relationship of Architecture design, Engineering design, Interior design and construction sharing same goal. They help with improving of building efficiency, reduce operation cost and at same time reduce downtime.

Using state of the art Advance 3D imaging/Graphics software, detailed multi stage Building information modeling and advance virtual GPUs, we make almost accurate visual models that help us develop better visual comfort and accentuating design for Healthcare Institute clients.

Our design team design Auxiliary Building solutions which are Patients and Medical Staff centric which ensures greater physical and visual comfort, help Patients focus greatly on Healing and support Medical Staff in with modern technology to ensure better imbibing of positive attitude into Patients.

Designs we develop are in tandem with modern Healthcare concept of Holistic healing, visual aided treatment process learning and other modern methodology. We believe our design can help Healthcare institutes make positive life time memories for Patients which will have positive impact on Patients themselves and help them get a better future for themselves.

With strict adherence to sustainability policy, our execution team tries to reduce raw material waste to minimal and construct with smart management of raw material.



For more Information about Auxiliary building design & development please visit Our website [www.elementalzindia.com](http://www.elementalzindia.com) or ask our sales representative to connect you with Project team or ask for a free virtual meet with our design team. Or ask for relevant building brochure.



[www.elementalzindia.com](http://www.elementalzindia.com)

## BUILDING SUPPORT SYSTEMS

- CLIMATE CONTROL SYSTEM
- WATER RECYCLE SYSTEM
- SOLAR POWER PLANT UNITS
- AIR PURIFICATION & VENTILATION
- WATER TEMPERATURE CONTROL
- WTP & STP
- DEDICATED POWER GRID
- 24X7 SURVEILLANCE MONITORING
- GOOD QUALITY SAFETY MATERIAL
- GOOD QUALITY FLOORING
- HIGH QUALITY SERVER UNIT
- MINIMAL TRUST ARCHITECTURE
- SEPARATE FACILITIES FOR ALL GENDERS AND ABILITY
- ACCESS TO SPECIALLY ABLED
- MAXIMUM NATURAL LIGHT USAGE
- SUSTAINABLE DEVELOPMENT
- STRONG BUILDING STRUCTURE

## SERVICES WE OFFER

- CANCER CENTRE SOLN.
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AUXILIARY SOLUTIONS LIBRARY



ELEMENTALZ

Combining Elements For Building

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DORMITORY  
ROOM

TOILET/WC

MESS / DINING  
HALL

DORMITORY  
HALL

HOSTEL  
INFIRMARY

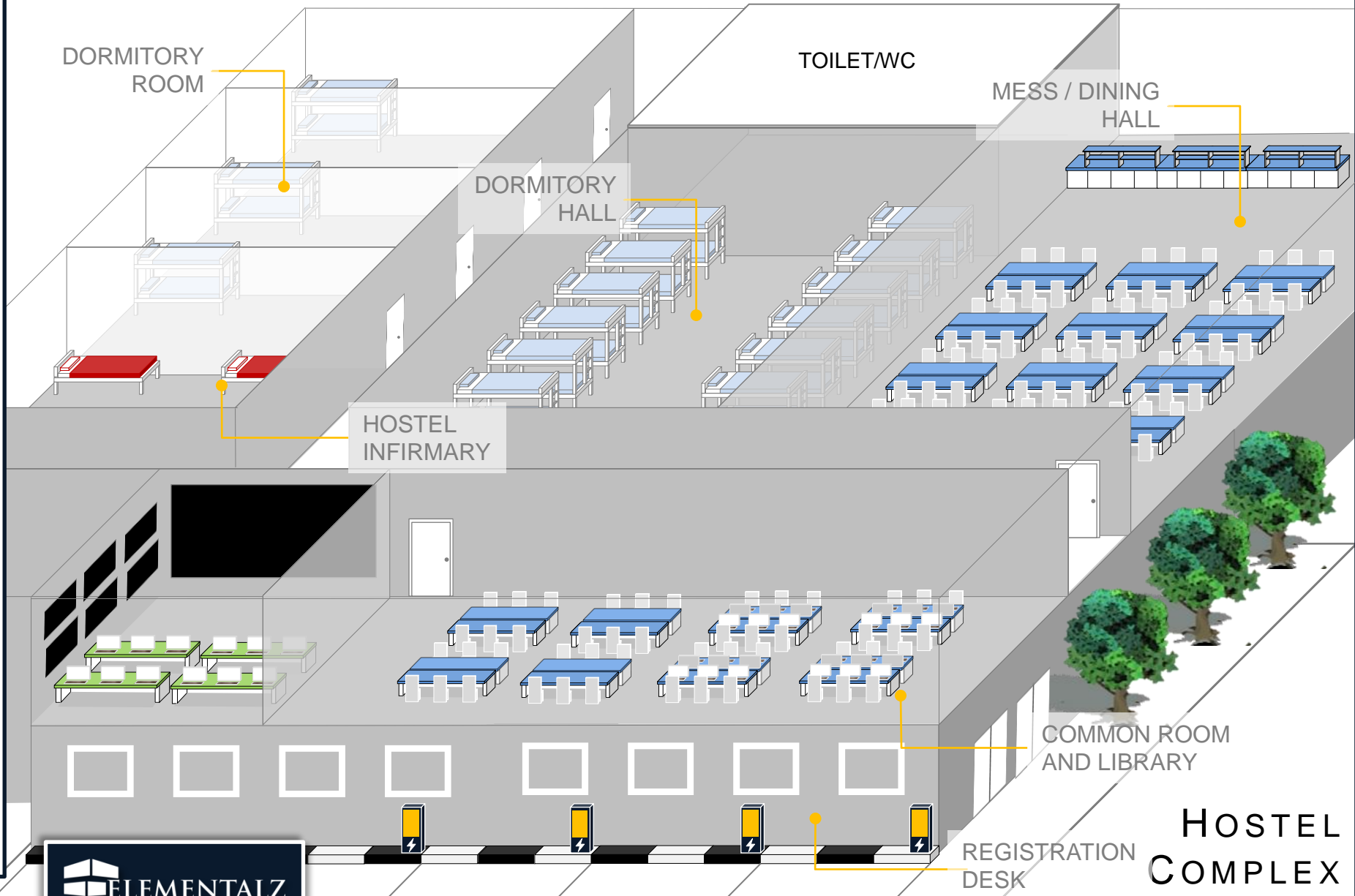
COMMON ROOM  
AND LIBRARY

REGISTRATION  
DESK

HOSTEL  
COMPLEX



DISCLAIMER: FOR GRAPHICAL REPRESENTATION ONLY, NOT ACTUAL DESIGN



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SEGMENTS WE CATER



LOGISTIC INFRA

- WAREHOUSE
- COLD ROOM & COLD STORAGE
- LOGISTIC HUB



SHOWROOM

- AUTOMOBILE
- FASHION
- LIFESTYLE



CULTURE CENTRE

- CULTURAL CENTRE
- AUDITORIUMS
- STADIUMS



POST COVID-19 SOLN.

- DISTANCING
- PROTECTION
- CLEANING & DISINFECTION



CERTIFICATION

- LIAISONING
- CERTIFICATION
- FINANCING



RESIDENTIAL

- RESIDENCES
- RESIDENTIAL COLONY



ENVIRONMENT ENGG.

- NATURE PARK
- ENVIRONMENT PROJECT



CORNER STONE DIV.

- RAPID BUILDS
- PORTABLE CIVIL INFRA STRUCTURE



SOLAR PUNK INFRA.

- HOPEFUL URBAN ENGINEERING
- GREEN ENGG.





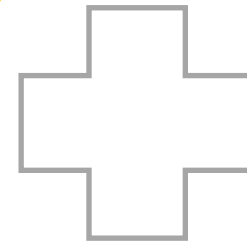
MANUFACTURING

- INDUSTRIES
- WAREHOUSE
- FOOD PROCESSING



RETAIL & MALLS

- MINIPLEX
- MALL
- HYPER & SUPER MARKET



HEALTH CARE

- CLINIC
- HOSPITALS
- RESEARCH LAB
- PHARMACEUTICAL UNIT



HOSPITALITY

- HOTELS
- CLUBS
- FOOD CHAIN
- PUBS & BAR



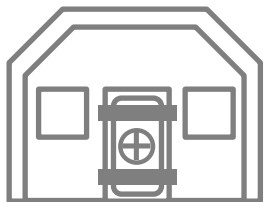
PUBLIC DEFENSE

- FIRE STATION
- POLICE STATION
- CIVIL RESCUE



Healthcare HUB

- Hospital
- COLLEGE
- RESEARCH INSTITUTE



BUNKER & SURVIVAL COLONY

- FALLOUT SHELTER
- BUNKER
- SURVIVOR



AGRICULTURE

- GREEN HOUSE
- STORAGE
- SUPPORT BUILDINGS



HIGH RISE

- COMMERCIAL
- RESIDENTIAL
- MIXED USE
- SUPPORT



## **CONTACT FOR MORE INFORMATION**

### **ELEMENTALZ SOLUTIONS**

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**Mob :** +91 8269195051 **Email ID:** [connect@elementalzindia.com](mailto:connect@elementalzindia.com)

**Website:** [www.elementalzindia.com](http://www.elementalzindia.com)

**BRANCHES: RAIPUR – BHOPAL – MUMBAI SERVICE NETWORK : PAN INDIA**