



UNIKELVIN

Turning ideas into reality

Corporate Presentation
1st Mar 2025

TURNKEY HVAC & CLEANROOMS



Be the change you want to see in this world.

-Mahatma Gandhi

CLEANROOMS | HVAC | ELECTRICAL LT/HT | IBMS | FIRE SAFETY & ELV | LAB FURNITURE | CLEANROOM EQPT | PROCESS EQPT | HOSPITAL OT | FLOORING | COLD ROOMS | CIVIL, PEB & STRUCTURAL | UTILITIES | PHE | DESIGN | VALIDATION & DOCUMENTATION | SERVICE & MAINTENANCE

UNIKELVIN STATISTICS

Below are some of the major statistics, achieved by Unikelvin since its inception in 2018
Across HVAC, Cleanroom, Electrical, BMS, FPS

60+

Clients

From Pharma,
Medical Devices,
Hospitals, Biotech,
Semiconductors

954

AHUs

Supplied &
commissioned (Belt-
Driven, EC & Plug Fan).
AHU, VAU, EAU, Air
Washer, HRW, Scrubber

29

Dehumidifiers

Including 6
Engineered DHU. RH
as low as 20%

9544

TR CHW

Chillers &
Chilled water
systems handled

637

VRF (HP)

VRF systems
installed &
maintained

94112

Duct (SQM)

GI, MS, PPFRP
SS, Aluminum,
PVC Ducts

2.94 mn

Air Qty (CFM)

2.23 million CFM
air quantity
handled

336012

Cleanroom (Sqm)

Modular construction
with PUF, Rockwool,
HPL & PIR Panels

2344

Scientific Doors

Rockwool, PUF, Fire
Rated, Automatic,
High-speed doors

23

**Chillers & Heat
Pumps**

Installed &
commissioned

UNIKELVIN STATISTICS

Below are some of the major statistics, achieved by Unikelvin since its inception in 2018
Across HVAC, Cleanroom, Electrical, BMS, FPS

872

Control Systems

Panels for controlling systems (HVAC, PLC, LV, MV, BMS, DG, Changeover Panels)

28

BMS & EMS

Supplied & commissioned 22 BMS/EMS Systems

382401

Electrified (Sqm)

electrified with Lights, DB, Switch, Sockets, UPS & Raw power

12440

KW Commissioned

Across HVAC, Internal electricals & Equipment

234311

Sqm Fire Protected

Sprinklers, Hydrant, PA, Access Control, Pumps, Extinguishers, CCTV,

43513

Piping (Rmt)

DX, VRF, CHW, HW, Fire, Steam, Medical & Utility Piping (Cu, MS, GI, SS, CI, HDPE, uPVC, PVC, AI)

91

Hospital OTs

Modular NABH/JCI OT & ICU (SS, PCGI, Vinyl, PU, Bioclad, HPL OT)

19

Cold Rooms

Cold rooms installed & commissioned

336012

Flooring (Sqm)

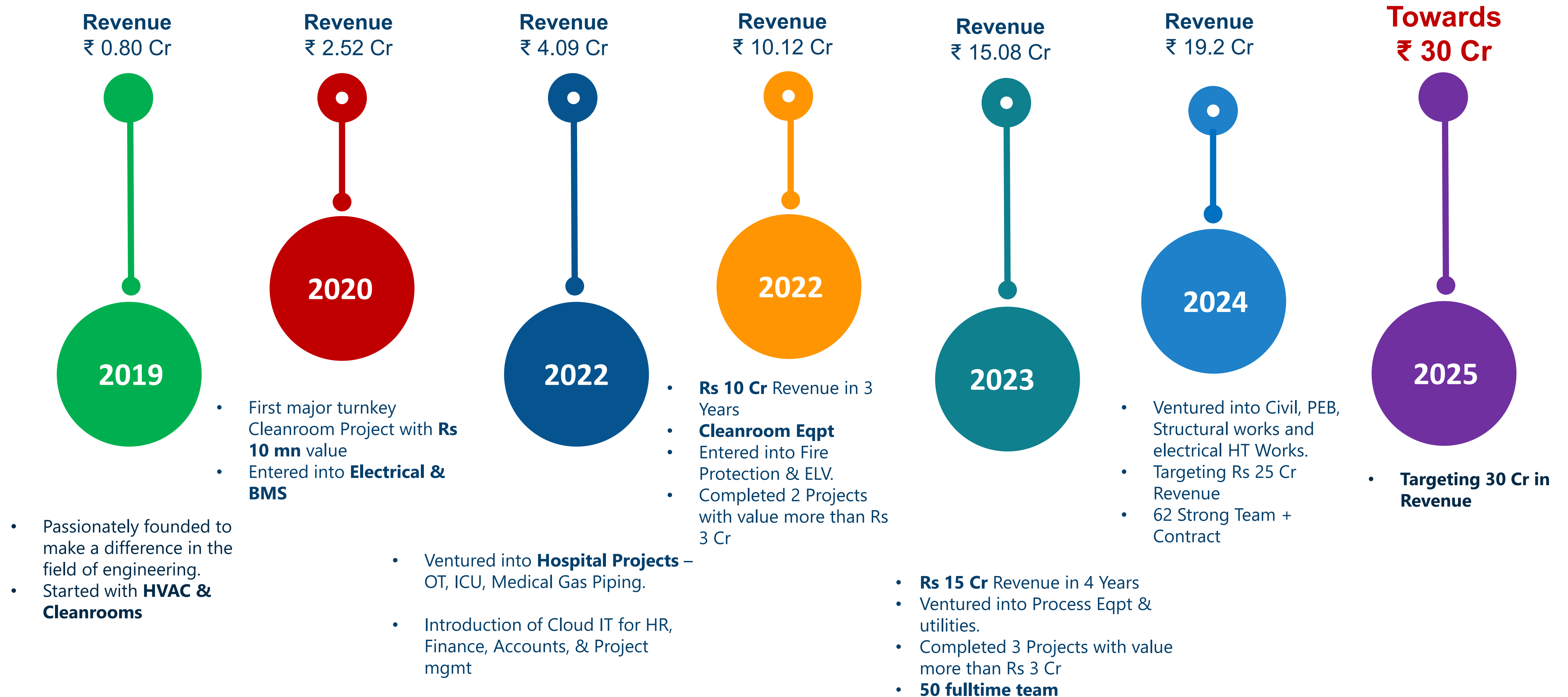
Epoxy, PU, Vinyl, Bioclad, anti-static

39

Utility Equipment

Production Machinery
Air Compressors, Sterilizers etc,

JOURNEY SO FAR



MEET THE FOUNDERS



CHANDRASHEKHAR

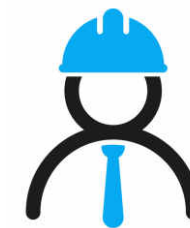


2008



Graduated from
BIT Bangalore
(**Mechanical Engg**)

2012



Cleanroom Designer
Vindair Engineers

2014



- MBA from **IIM Ahmedabad**
- Dropped out of IIT-Bombay

2016



GM Strategy
Narayana Health

2017



- Worked with IHH Healthcare (Sg)
Sr Partner Deloitte (Singapore)

Since 2018



Founded Unikelvin
Business Development,
Sales, Strategy, Finance

Graduated from
Bangalore University
(**Mechanical Engg**)

Vindair Engineers
Design Engineer – Pharma
Cleanrooms, HVAC System,
Utilities & Fire Safety
Systems

Design- MEP
Aktins Global.
Handled Projects in Dubai,
Muscat, Qatar & Oman

Founded Unikelvin
Heads – Project Execution,
Design & SCM



2008

2011

2016

Since 2018

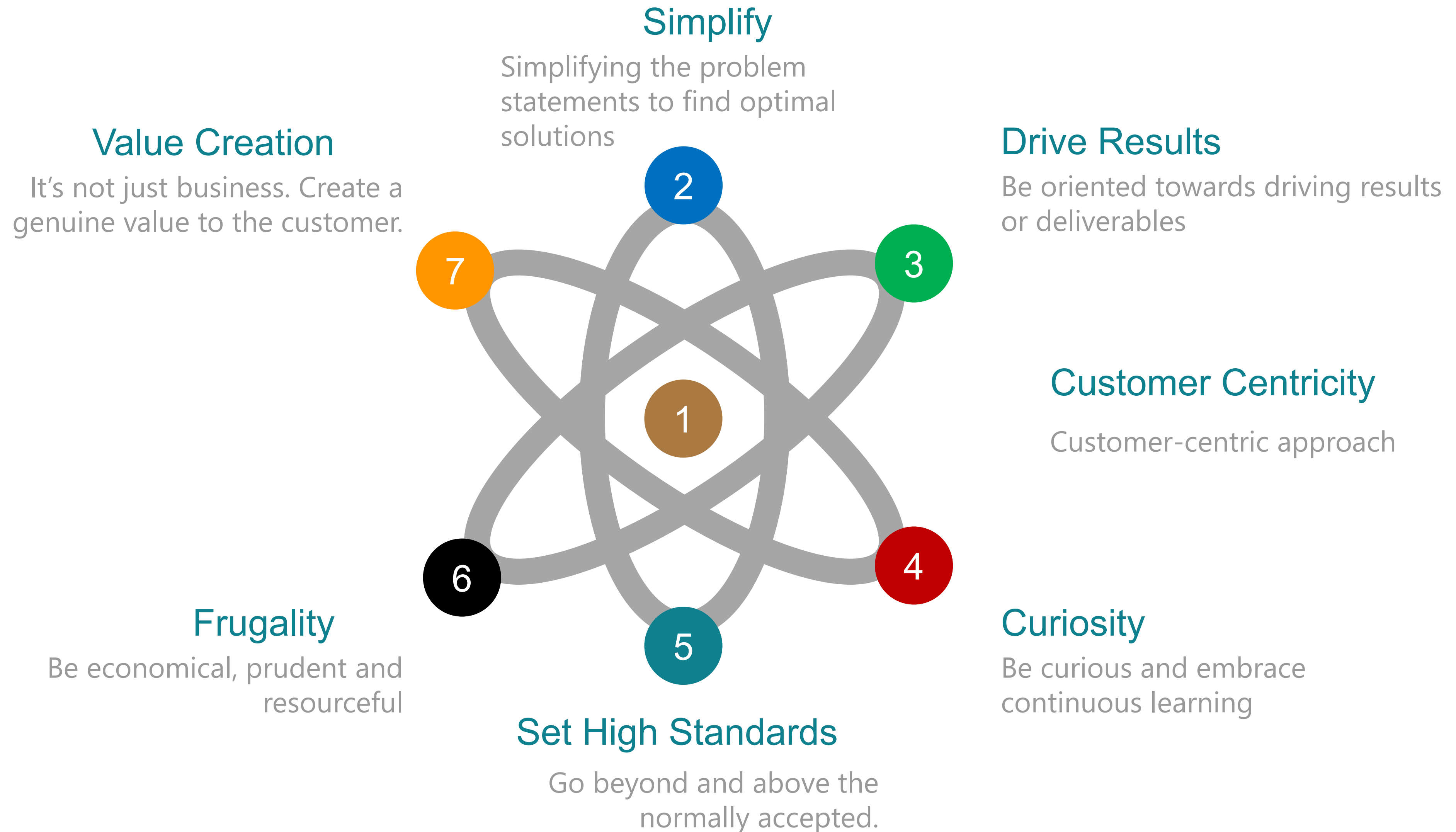


SHREEEKARA HS

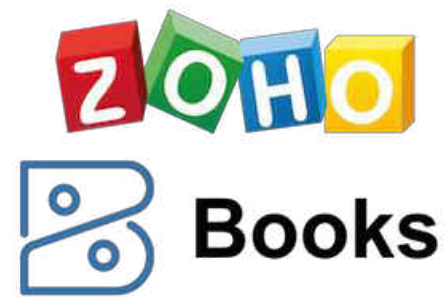


WHAT DRIVES US

Our Seven Business Principles



HOW ARE WE DIFFERENT?



Zoho Books - Cloud-based, accounting

- PO, Invoices & reports, GST, E-Way bills & returns filing
- Accounts payables & receivables
- Inventory & Cost optimization



Zoho Projects

Zoho Projects - Integrated project management

- Helps plan projects, track work efficiently
- Gantt charts to track project progress daily.
- Automate tasks & collaborate with teams, Task & time management, Daily tracking
- Performance Charts, reports & dashboards



Keka SmartHR - Cloud-based HR management

- Payroll & Expenses, Employee profiles, Hiring & onboarding, Performance Assessment
- Attendance & leave management
- Live location tracking, Remote logging

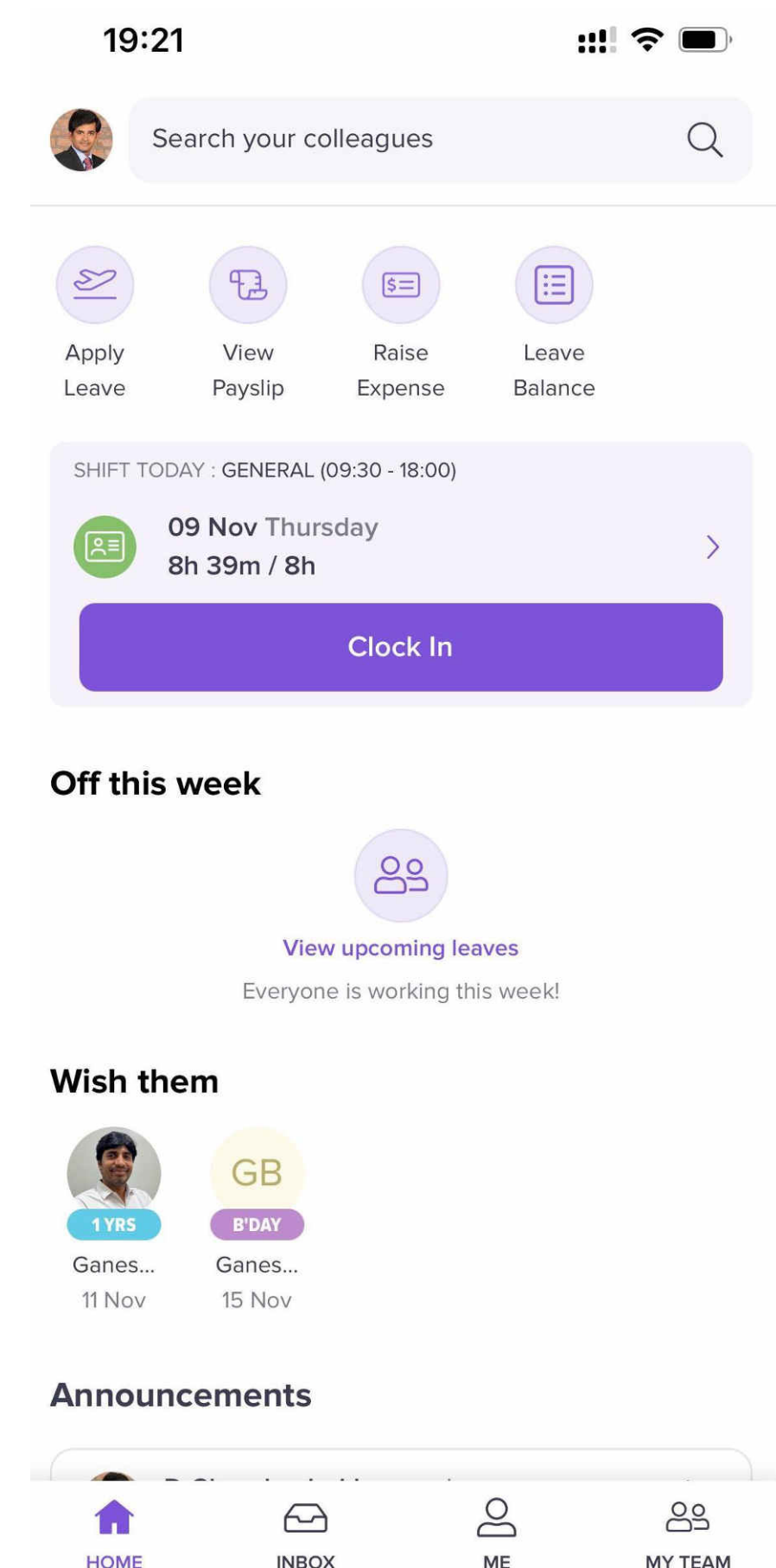
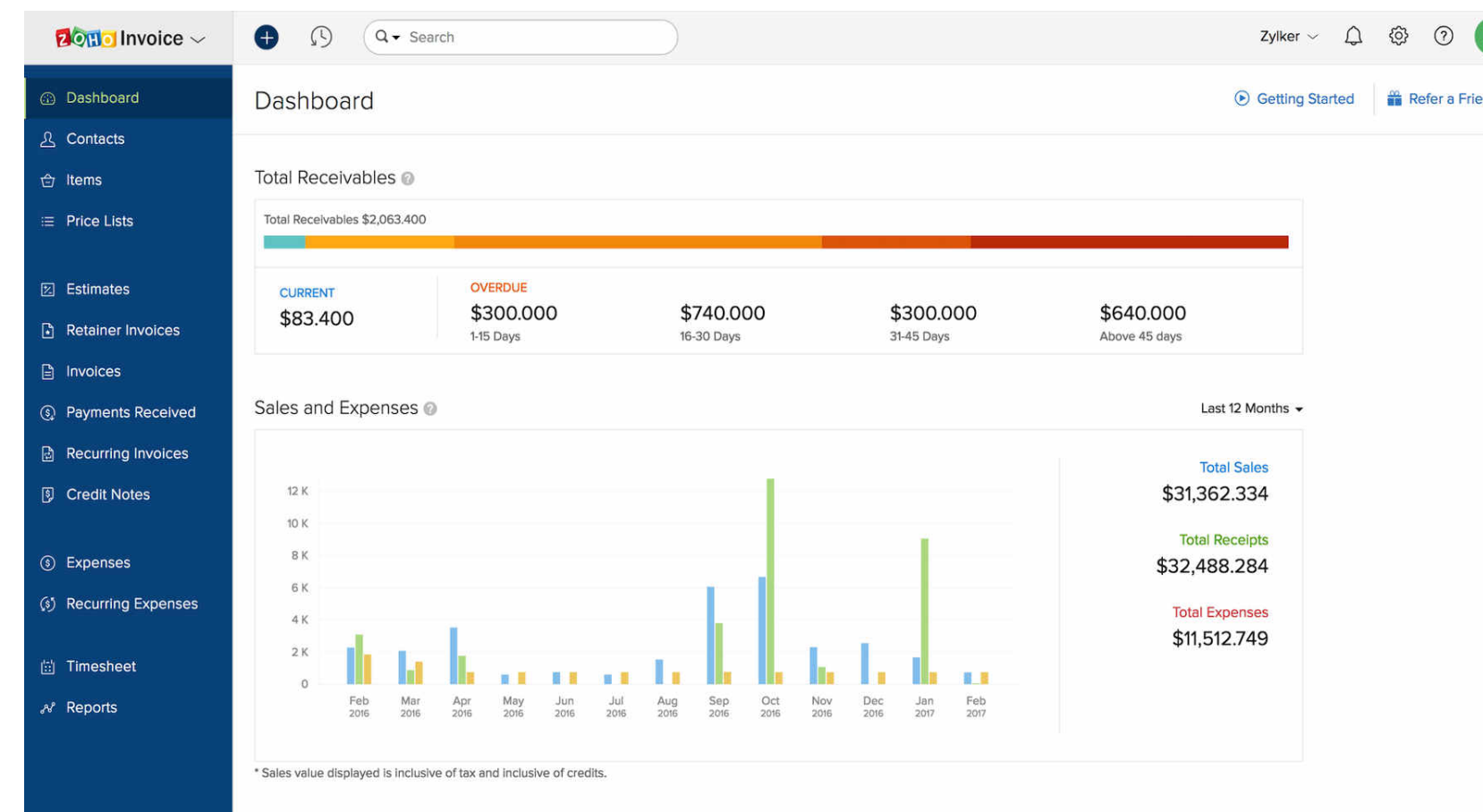
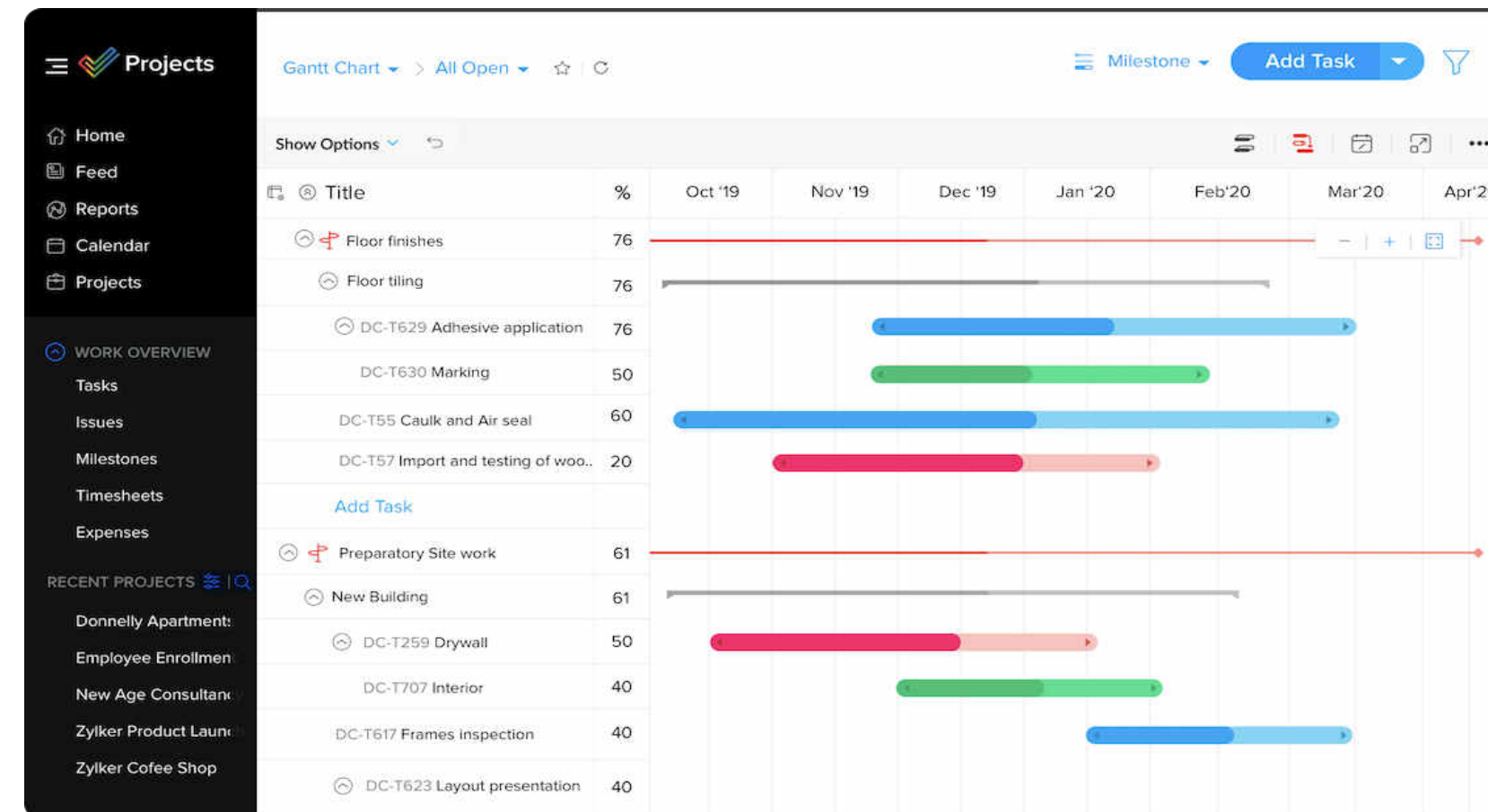


- Trello is a web-based project management and **collaboration tool**, used for organizing tasks, managing projects, and tracking progress through boards, lists, and cards



ChatGPT

- Design, planning and project execution
- Improve customer support & response time
- Analyze data on resources and costs.
- Business development and marketing



Faster Execution



Faster Response Time



Improved Efficiency



Focus on Core Competency

OUR PORTFOLIO MEP SERVICES



HVAC



CLEANROOM



ELECTRICAL



IBMS



LAB FURNITURE



CLEANROOM EQPT



HOSPITAL OT



FPS & ELV



UTILITY GAS PIPING



FLOORING



PHE - PLUMBING



PROCESS EQPT

INDUSTRIES OF OUR SPECIALITY



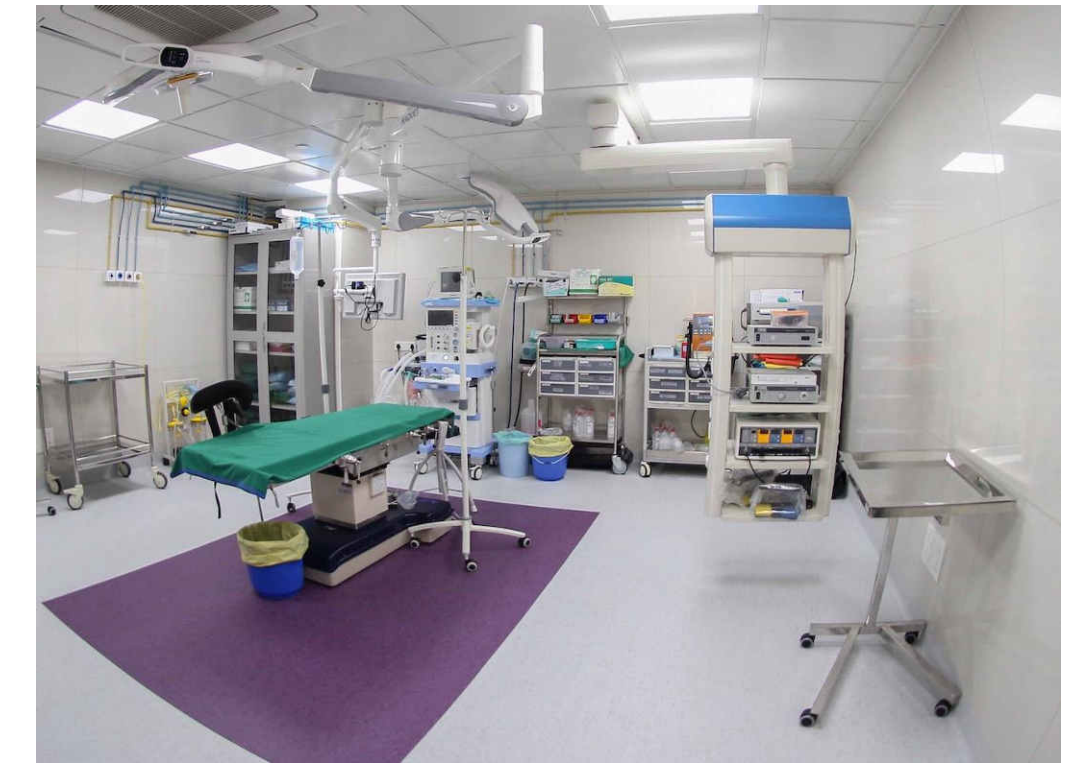
LIFESCIENCES



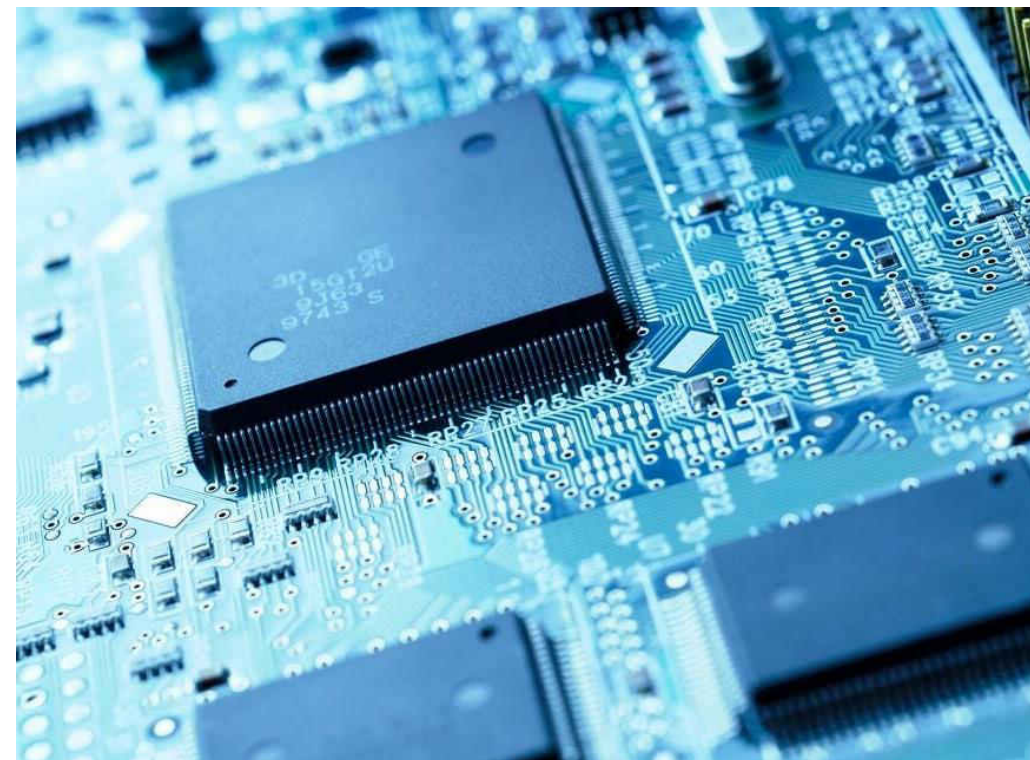
PRECISION MFG



MEDICAL ADEVICES



HEALTHCARE



SEMICONDUCTOR



FOODS



MANUFACTURING



COMMERCIAL

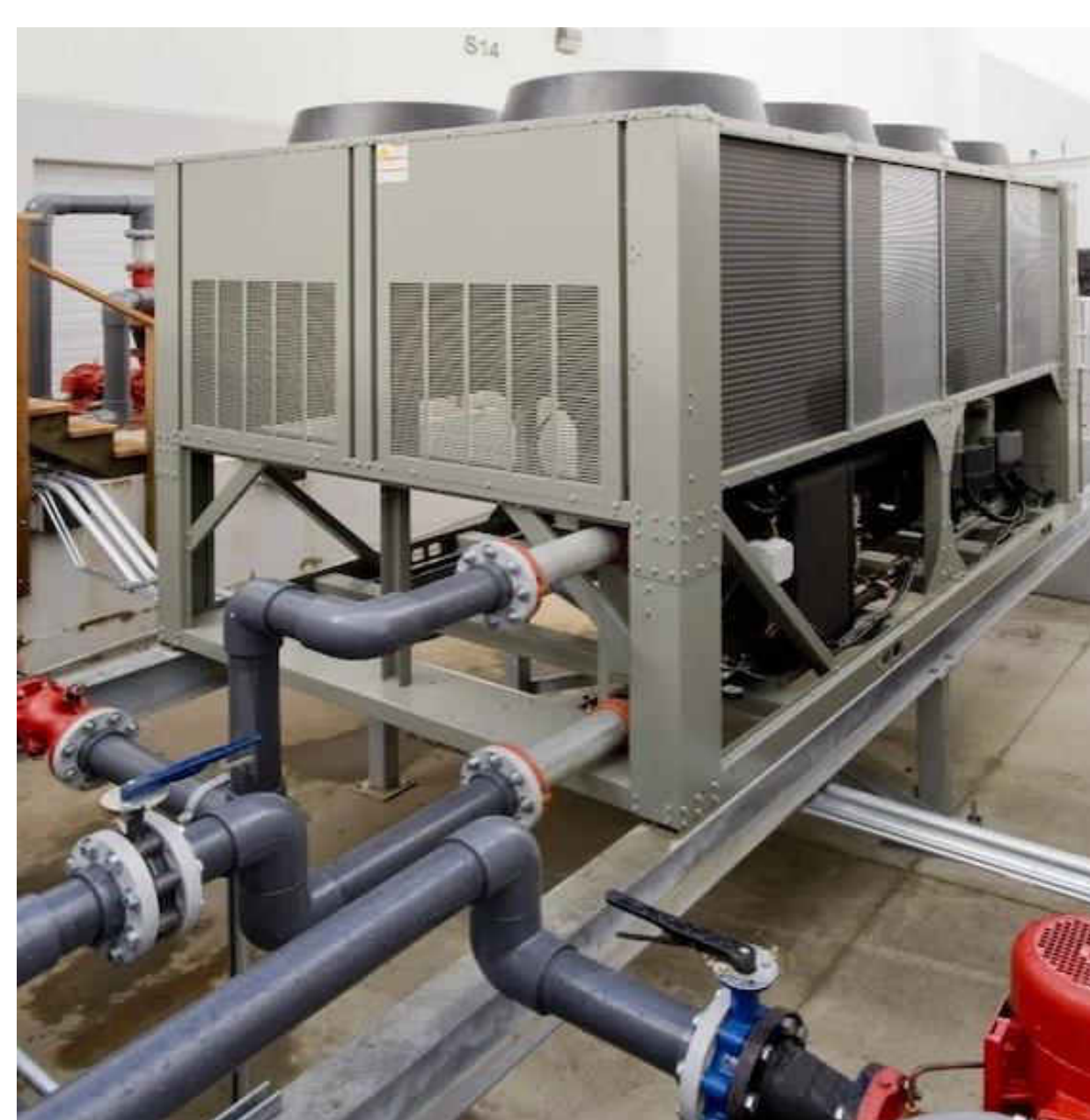
OUR VALUED CUSTOMERS



1

HVAC





OUR HVAC RANGE

Air Handling Units

From 1000 to 100000 CFM

VRF & DX Systems

Complete range of DX+VRF

Chillers & Heat Pumps

Air-cooled, Brine & Water-cooled Chillers (10-500 TR)

Ventilation Systems

General, Basement & Kitchen Ventilation. Staircase Pressurization

Heat Recovery Systems

For mitigating energy consumption

Cooling Towers

For Water-cooled chillers

Dehumidification Systems

RH Systems as low as 20%

CAV / VAV Air Volume

CAC / VAV for controlled airflow

HEPA / UPLA Filtration

Filters for best efficiency

Scrubbers / Dust Collectors

Pollution control systems

Chemical Dosing

Helps chiller function well

Ducting & Air Distribution Systems



2

CLEANROOMS

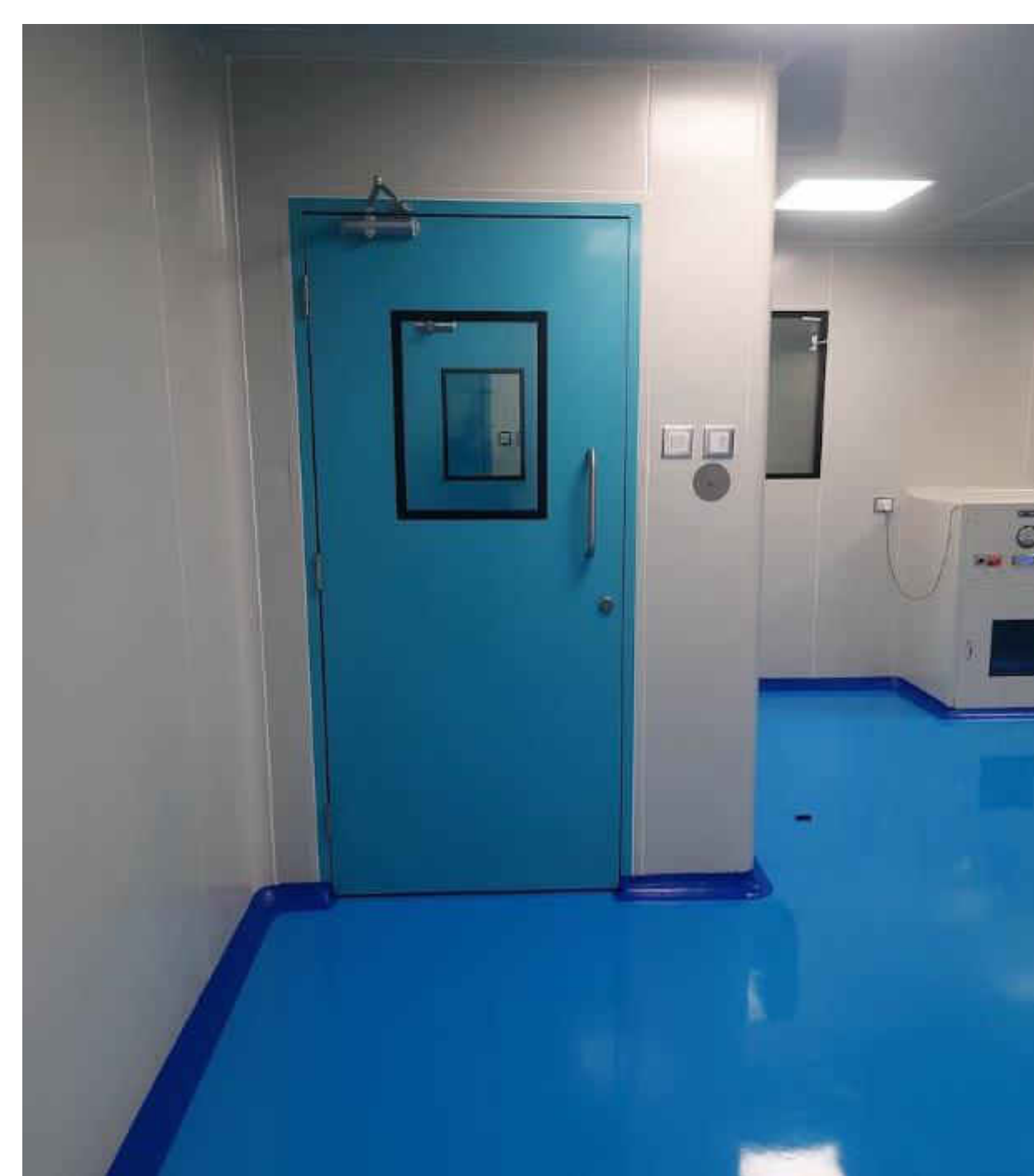
Durable and long-lasting CLEANROOMS FOR ALL INDUSTRIES

Modular Cleanroom Panels

- PCGI, PPGI, SS-304, HPL, GRP
- Wall, Ceiling & Riser panels
- PUF, Rockwool, PIR infill
- 30, 50, 80, 100, 150 & 200 mm Thick
- Sheet thickness 0.5 to 1.0 mm
- Load-bearing & walkable

Scientific Doors

- PUF & Rockwool Infill
- Industrial, scientific, and Emergency doors
- Fire-rated doors & crash panels
- Swing, slide & high-speed doors
- Manual and automatic doors
- With accessories such as door closure, SS kick plate, door handles, view panel





3

ELECTRICAL/BMS



Internal Electrification

- **Distribution Boards, Panels**
- **Lighting & Power Wiring**
- **Internal & Emergency Lighting**
- **Cleanroom Electricals**
- **Utility Sockets / Switches**
- **Earthing - Chemical / Conv.**
- **UPS Systems**
- **Flameproof Electricals**

LT /HT

- **LT/HT Panels**
 - **HVAC PLC/DDC Panel**
 - **Auto Sequential Panels**
 - **Capacitor Panels**
 - **Power Distribution Panel**
 - **Power Factor Correction Panel**
 - **LV Metering Panel**
 - **Synchronization Panel**
 - **Lightening Arrester**
 - **Diesel Generators & DG Panel**
 - **DG Fuel Storage Systems**
-
- **Load Break Switch & Vacuum Circuit Breaker (VCB) Panel, Ring main Unit (RMU) Panel, EHV & HV Substations, Transmission Lines**



4

Lab furniture Cleanroom eqpt





- Fume Hoods
- Biosafety Cabinets
- Fume Extraction System
- Fume treatment Scrubbers
- Island Tables

LABORATORY FURNITURE

- Work Benches
- Instrument Tables
- Reagent Storage Cabinets
- Anti-Vibration Tables
- Microscope Tables

- Storage Racks
- Sink Tables
- Storage Cabinets
- SS Trolleys & Bins
- SS / Granite Furniture





CLEANROOM EQUIPMENT

- **Pass Boxes**
- **Laminar Air Flow (LAF)**
- **Air Showers**
- **Dispensing / Sampling Booths**

- **Fan Filter Units**
- **Cross Over Benches**
- **Garment Cabinets**
- **Shoe Cabinets**

- **SS Trolleys**
- **SS Pallets**
- **Containment Systems**



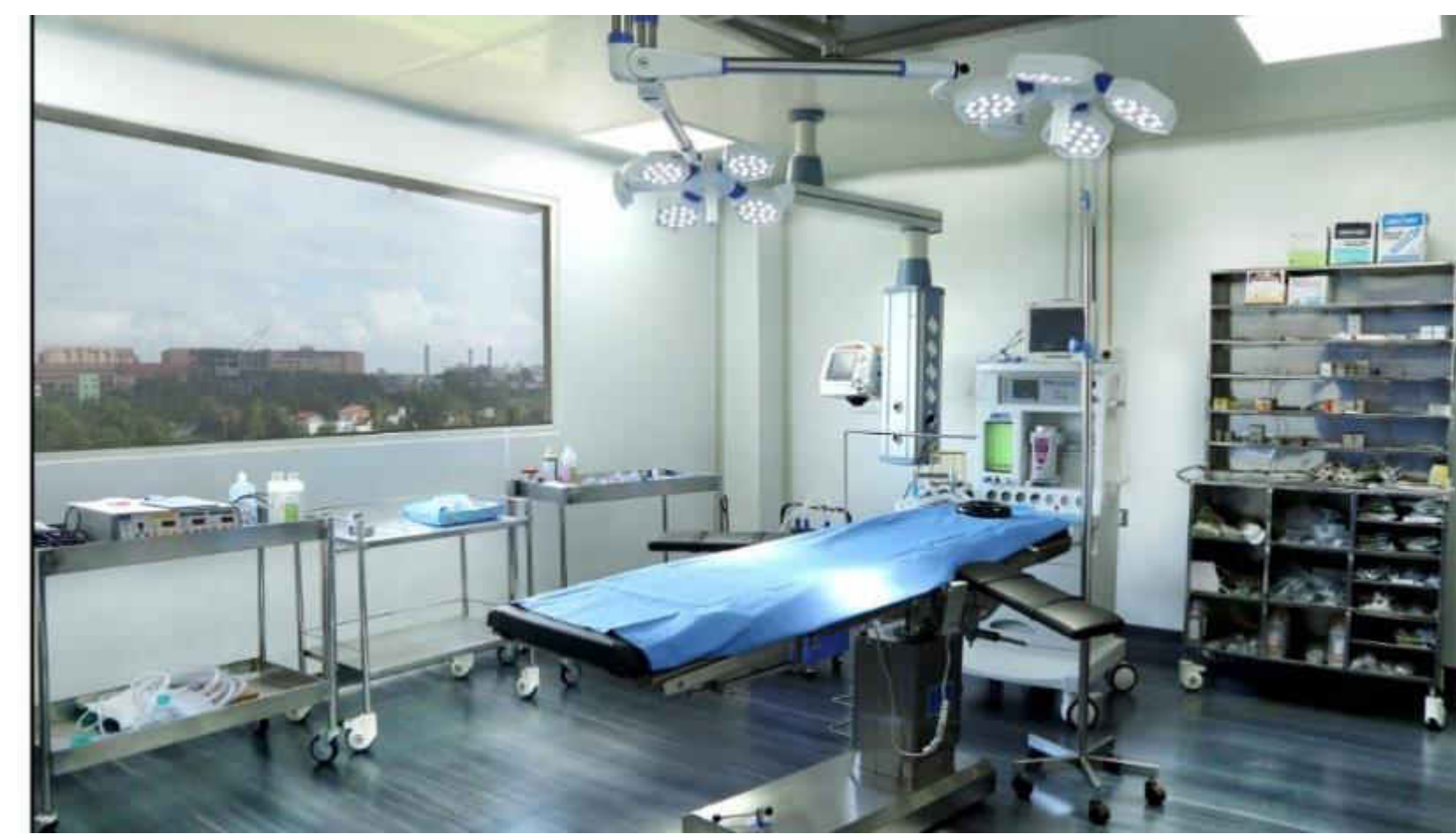


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HOSPITAL OTs

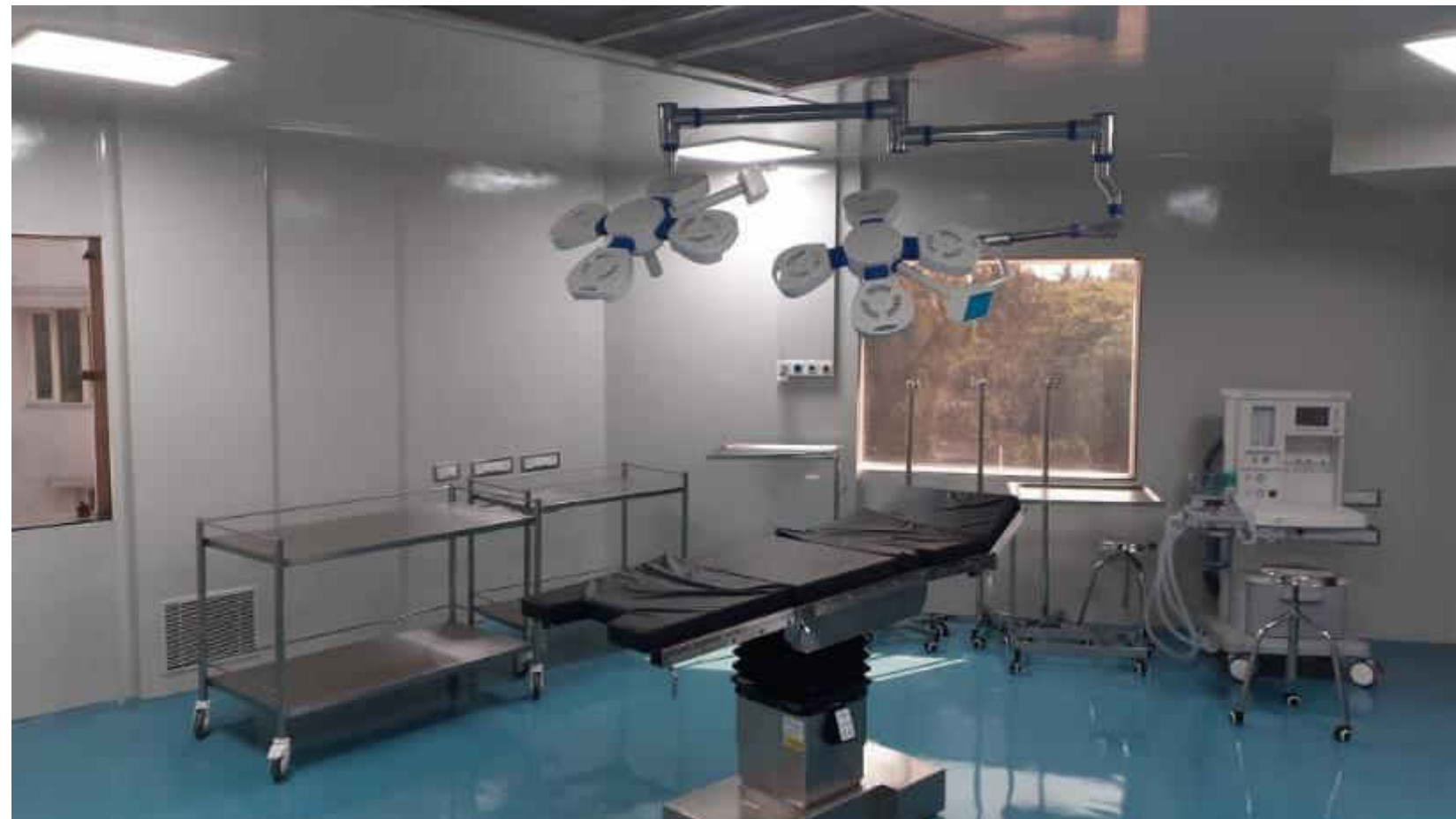
MODULAR OT HVAC

- **Air Handling Unit (AHU)**
- **DX & Chilled Water**
- **Ductwork with Insulation**
- **Temperature & RH Control**



OT CONSTRUCTION

- **OT with SS-304, PCGI with PUF**
- **HPL Panel OT**
- **Bioclad & Vinyl OT**
- **PU Painted OT**
- **Epoxy, Vinyl & PU Flooring**
- **NABH & JCI compliant**
- **Air-tight & infection-free**
- **Modular Joints**



OT UTILITIES

- **Medical Gas Piping**
- **Fire, ELV & PA**
- **Compressors & Oxygenators**
- **STP, ETP, Plumbing**
- **Civil, interiors**



OT EQUIPMENT

- Laminar Airflow (LAF)
- OT Surgical Light
- Anesthesia Pendant
- Surgical Pendant
- X-Ray Viewbox
- Surgical Control Panel
- OT Surgical Table
- OT Passbox / Hatch
- Lab Furniture
- Scrub Sink
- Medical Eqpt
- Patients Beds
- Nurse Call Systems



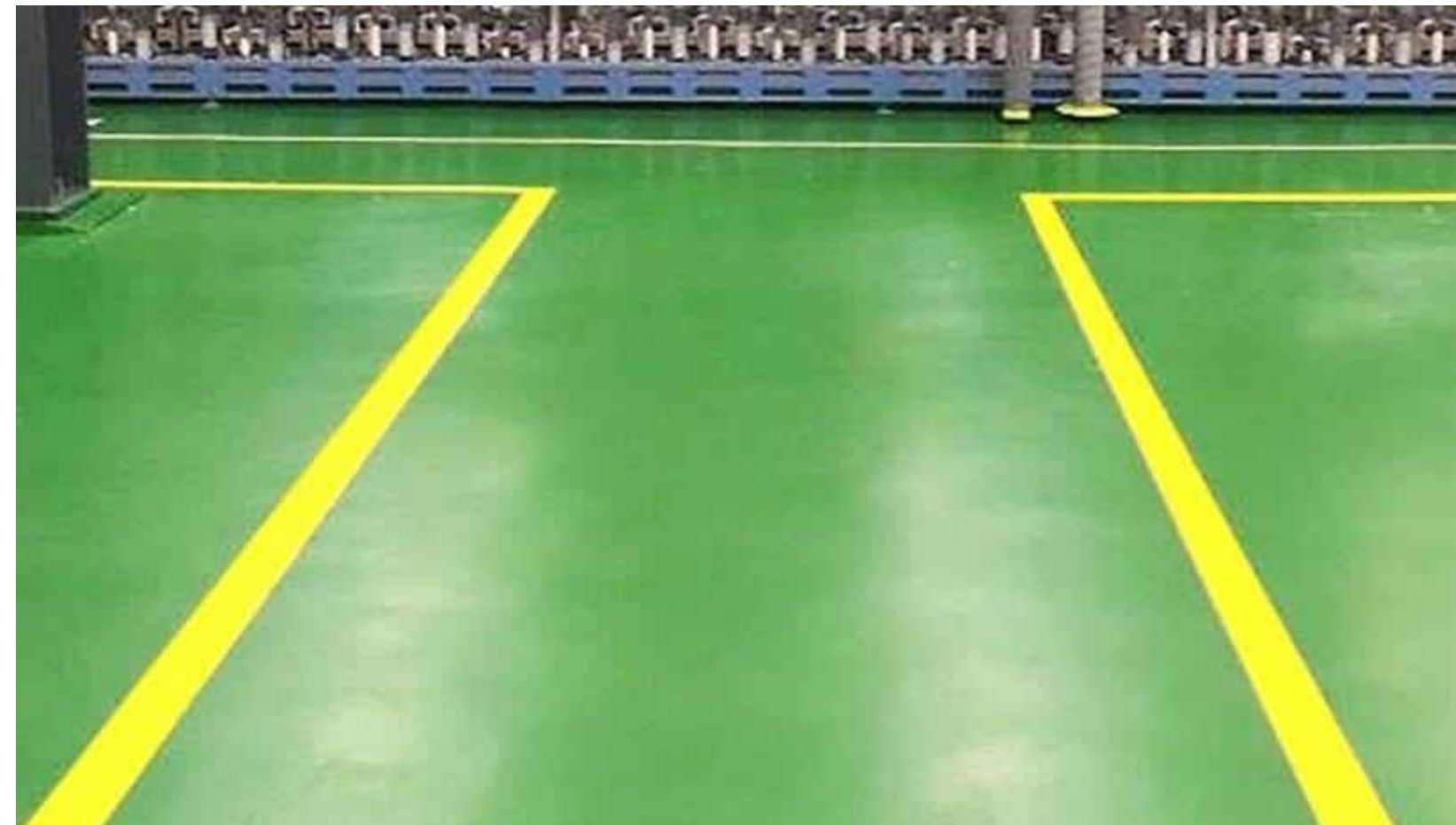
6

FLOORING



FLOORING SOLUTIONS

- **Epoxy Flooring (1-3 mm)**
 - **PU Flooring (3-5 mm)**
 - **Vinyl / PVC Floorings**
-
- **Industrial & commercial grade**
 - **Low VOC, Anti-microbial grade**
 - **Anti-static flooring**
 - **Car park / anti-skid flooring**
 - **Process: surface preparation + primer of 100 µm + Screed/ scratch coat of 1-2 mm + epoxy/ PU final coat of 900 µm**





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CLEANROOM VALIDATION

Carried out as per ISO Standard 14644-Part 3: 2019 Test Methods or GMPs or equivalent accepted testing standards



VALIDATION

- **Non-Viable Particle Count**
- **Filter Integrity Test (PAO)**
- **Air-Flow Visualization (Smoke)**
- **Air & Pressure Balancing**
- **Differential Pressure**
- **Filter Face Velocity**
- **Air Velocity & Air Flow**
- **Room Air Changes**
- **Temperature & RH Mapping**
- **Recovery Test**
- **Sound & Lighting**
- **Containment Leak Test**
- **Viable Particle Count**



DOCUMENTATION

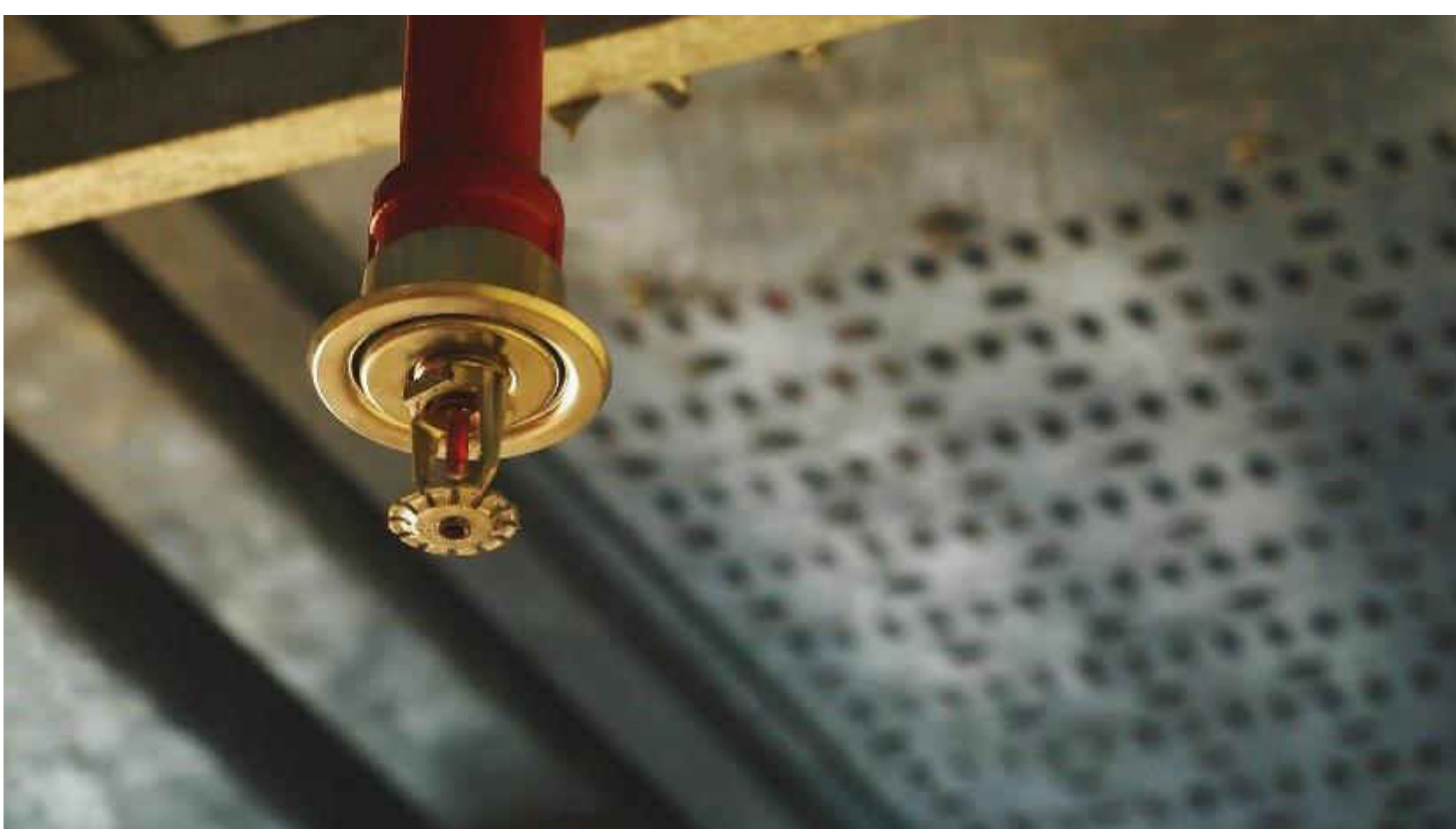
- **Design Qualification**
- **Installation Qualification**
- **Operational Qualification**
- **Performance Qualification**
- **URS**
- **Design Basis Report**
- **Room / HVAC Data Sheet**
- **Design & As-built Drawings**





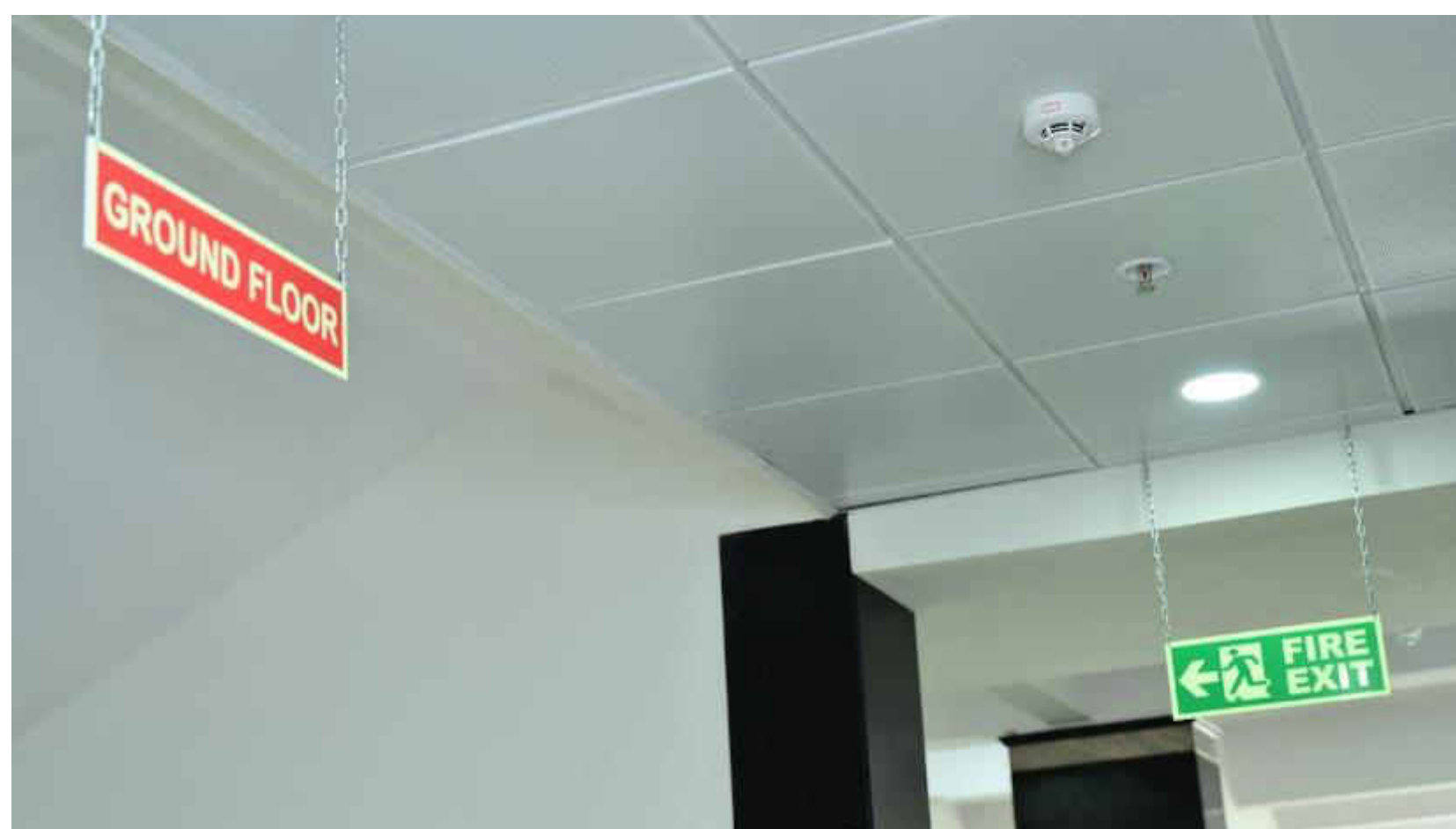
8

FIRE SAFETY/ ELV



FIRE PROTECTION

- **Sprinkler System**
- **Fire Hydrant System**
- **Fire Extinguishers & Signages**
- **Pump Room Equipment**
- **Gas Suppression**
- **Pre-Action System**
- **Water Curtain System**



EXTRA LOW VOLTAGE

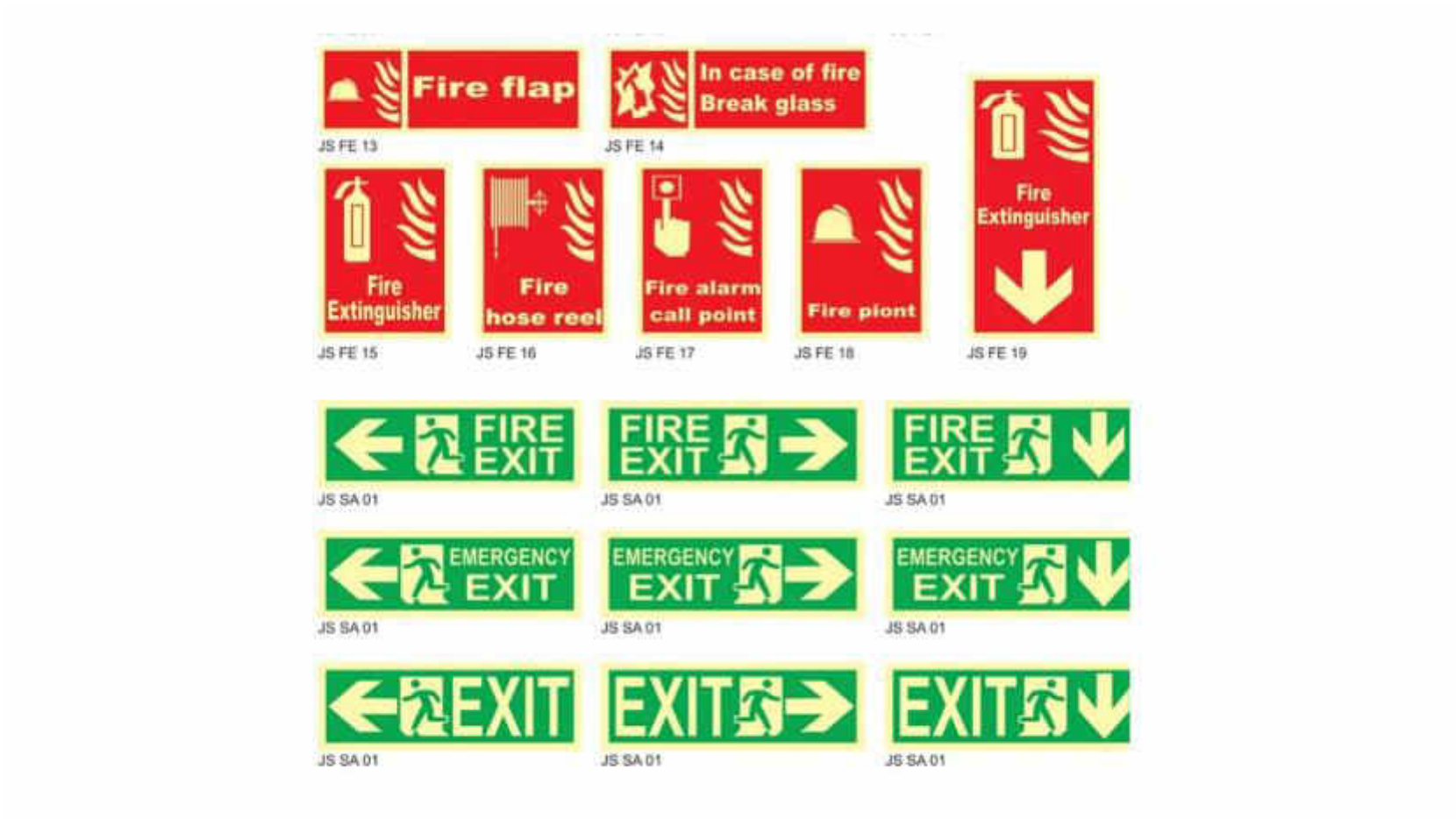
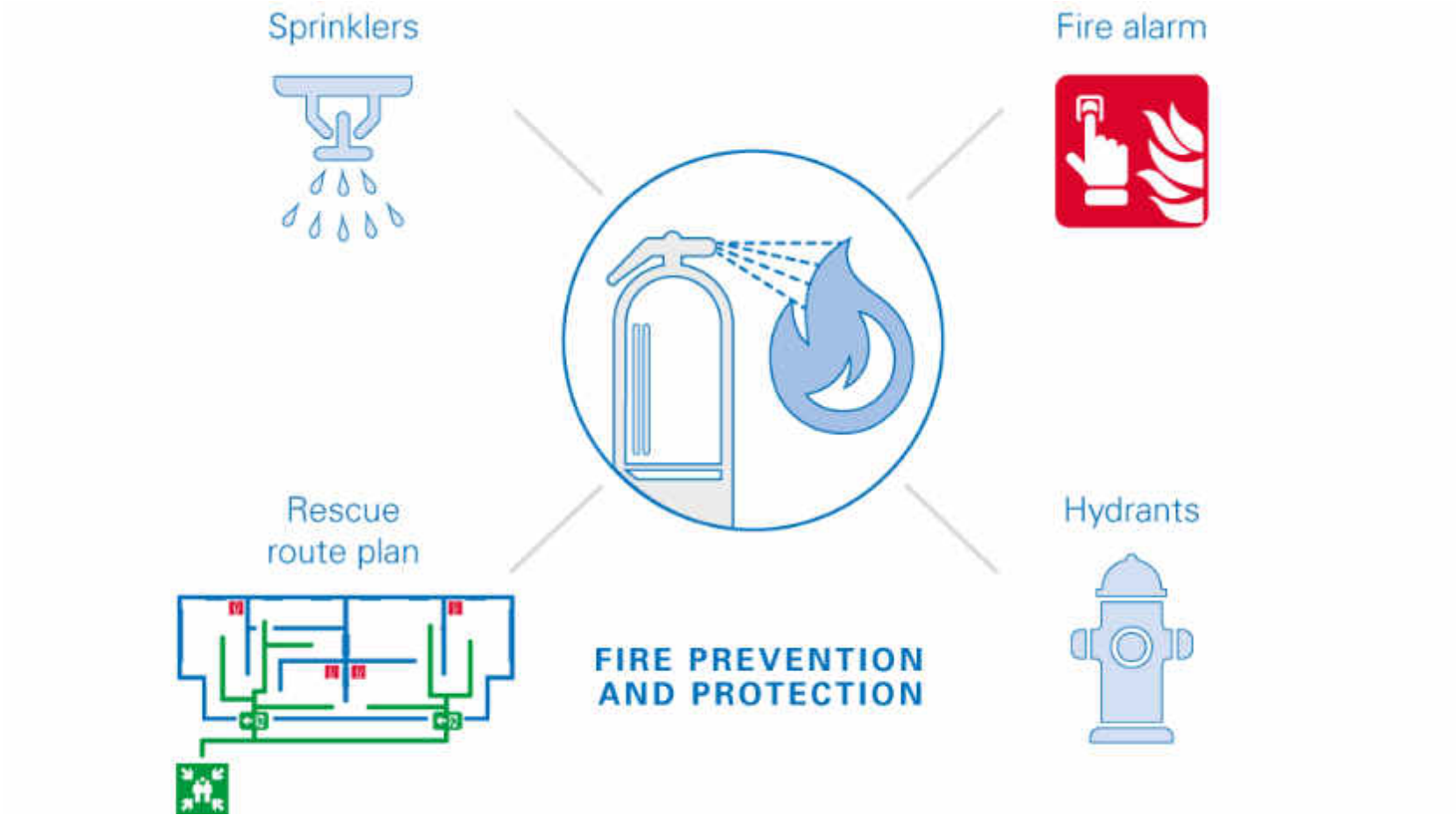
- **Fire Detection & Alarm System**
- **PA & Talk Back System**
- **VESDA ASD**
- **Lighting Control**
- **Rodent Repellent System**
- **Addressable System**
- **Conventional System**



SECURITY SOLUTIONS

- **CCTV / Surveillance**
- **Access Control**
- **Data Networking / LAN**
- **Telephony / EPBAX**
- **Parking Management**
- **Visitor Management**
- **Boom Barriers**





Thank you



UNIKELVIN

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