



SOLUTION INDUSTRY WITH LOYAL SERVICES

Yuvitech Engineering (OPC) Private Limited

(Complete Industrial Solution Provider)



Engineering | Electrical LT & HT Services | Electrical SITC | AMC | Automation Products | Engineering Analysis & Optimization | Electrical & Automation Retro-fitment | Plant Machinery Relocation | Turnkey Electrical Solution | Energy Solution | IOT | Training Cell

Our Vision

"To Serve The Global Needs In Power control & Automation With Cutting –edge Technology, Innovation And Cost Effective Solutions. Our Valued Customer Consuming the Minimum resources On Planet."

Our Mission

"To Lead the global market in complete industrial solutions through superior customer services, innovation, quality & commitment with sustainable development as prime Focus."

About Organization

Yuvitech Engineering Is One Of The Leading Complete Industrial Solution And Service Provider In India. Yuvitech Engineering Team Have Work Experience Of 15 Years With Respect To Electrical, Automation And Instrumentation Working Different Segments Of Industry. We Are Pleased To Introduce Ourselves As An Experienced & professionally Managed Engineering Company based In India. Innovation And Application Has Made Us To Stand In The Competitive Market By Service & Field Having Our Expertise And Skilled Team. Yuvitech Engineering Is A Trusted Source For Electrical And Automation Engineering Solution And Services. It Has Been Enlisted In Various Reputed Companies. We Sincerely Wish To Serve You As Esteemed Organization And Would Like To Add You In Our Esteem Client List. We Would Like To Assure You Our Best Service & Co-operation Always. Yuvitech Engineering Is High Professional And Fast Growing Company Having A Through Client Oriented Approach. Our System And Culture Is Design To Meet The Exacting Requirement Of Our Clients, Right From The Stage Of Concepts Till Execution And An Effective After Sales Service, Giving Best Support. High Label Quality Of Work And Doing The Things Right In The First Go, Avoiding Rework, Leading To Prompt Execution And Services Are The Essence Of Yuvitech. Yuvitech Engineering is The Land Mark Of Long Term Vision Of Its Founder Director To Establish A Complete Engineering Solution Firm To Serve The Various Industry Needs. We Are Having Long Experience & Specialization In electrical and Automation Projects For Power, Water, Sugar Projects Etc.



Engineering

Yuvitech's Expertise For Engineering Solution

- Feasibility Study For Various Alternates
- Conceptual Planning
- Up Gradation Of The Existing System
- Preliminary Design Report And Budget Estimate
- Detailed Planning
- Working Drawings
- Specifications
- Schedule Of Quantities
- Comparative Statement Of Tenders-commercial, Technical, Unit Rates & Amounts
- Notice Inviting Tender
- Recommendation For Award And Work
- Contract Agreement
- Verification Of Shop Drawing
- Testing And Commissioning.



Electrical HT & LT Services

Design | Manufacturing | Services | Technical Guidance
For custom built panel of following Types...

- MCC panels
- PCC panels
- AC drive panel
- Capacitor panels (APFC)
- AMF panels
- Distribution panels
- PLC panels
- Bus Ducts
- Rising Mains
- DG Synchronizing Panel
- Power Distribution board
- Sub distribution Board
- Power Distribution Board
- Sub Distribution Board
- High Mast Panel
- Meter Boards
- Feeder Pillar Panel

Complete Electrical Turnkey Solution

- CSS
- Transformers
- VCD
- LT Panels: PCC Panels, Distribution Boards, AMF Panel, MCC Panel
- Capacitor Panel
- DG Supply, Installation, Testing and commissioning
- DG Synchronization
- PLC Panel
- MIMIC and SCADA System
- Remote Telemetry System
- Remote Data Collection and Monitoring
- Field Instrumentation Installation (Junction Box and Hookups)
- Earthing & Cabling
- Supply , Installation , Testing and Commissioning Work



Engineering Analysis and Optimization Scope:

1. Data accumulation for electrical & Allied system in our scope through meetings with client and other consultants.
2. Load calculations of assessment of actual demands, transformers, substation requirements, DG set requirements.
3. Detail engineering of the power system like distribution cables, MCC & switchgear panels power & distribution Transformers, panels & distribution transformers, cable sizing, power outlets and power wiring. Layouts for the power distribution system. Single line diagrams.
4. Retrofitting engineering of the electrical system like distribution cables, MCC panels & distribution transformers, cable sizing, power outlets, power wiring. Layouts for the power distribution system. Single line diagrams.
5. Lighting scheme design for internal and external lighting layouts with SLDs. Selection of fixtures and detailing of mounting.
6. Detail engineering & layout drawing for lightening protection & earthing systems.



Software used for Engineering:

Etap : For Power system Studies, cable Sizing Etc.
Dialux / Luxicon : For Lighting calculation.

Benefit of Engineering Services

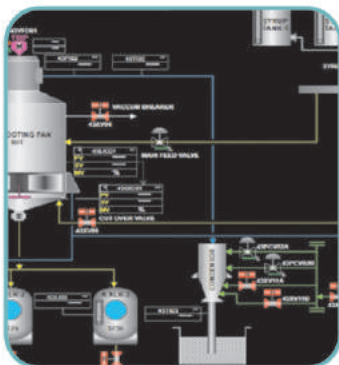
1. Cost Optimization with value added engineering in plant engineering viz. power, Automobile, Oil and Gas, water, other Industries...
2. Avoid over designing and under designing with engineering Aid. We can select proper electrical protective device as well as electrical equipment.

Automation Expertise In Addition to this, we have expert teams for the following applications:



1. Water & Waste Water Treatment
2. Batch Process
3. DG Synchronization
4. Robotics & Motion
5. Mechatronics
6. Material Handling
7. Paint Shop Automation

8. Fountain & Lighting Automation
9. Boiler Automation
10. IOT
11. Energy Solution
12. Rice Mill
13. Cold Storage Plants



SOME OF THE WATER APPLICATION ARE MENTIONED BELOW:

- Sewage Treatment plants(STP/TTP)
- Demineralization Plants(DM)
- Water Treatment Plants(WTP)
- Reverse Osmosis System(RO)
- Effluent Treatment Plants(ETP)



BATCH PROCESS

Our batch provides efficient, batch processing, consistency between batches and generation of event information during batch runs. Batch process management lets you reuse code, recipes, phases and logic between process with similar procedure. Batch brings all facets of batch automation and process management together, providing the most comprehensive batch management software available.

- We can improve quality and increase production in many industries such as chemical, pharmaceutical, food, beverage, heavy industry and pulp and paper. Our batch combines the ISA S88 Standard with proven technology that provides the flexibility you need to supply your product to market faster.

We can undertake following Batch Applications:

- Food and Beverage
- Ink Industries
- Oil Industries
- Bottling Plants
- Bitumen/Asphalt plant



CEMENT PLANT

We are equipped to undertake automation projects in cement Industry. Based on the specific requirement, either Redundant or Non Redundant system can be supplied.

Some of the areas of application are :

- | | |
|------------------------|-------------------------------------|
| •Raw Material Handling | •Stacker and Re-claimer |
| •Coal Mill | •Raw Material Crushing and Grinding |
| •Kiln Control | •Cooler Control |
| •Cement Mill | •Packing & Dispatch |

PACKAGING APPLICATION

We provide quality solution for the packaging industries with a focus on superior customer service and support. Understanding that each and every one of our customers has different needs is very important to us.

Our area of application includes following:

- Embossing machine
- Cast resin film line machine
- Horizontal & Vertical Form Film machine
- Bottle filling, capping, labeling
- Blister packaging
- Lamination machine
- Pouch cutting machine
- Slit Machine
- Thermo forming machines
- Flow Wrappers



MECHATRONICS

Mechatronics strength lies in providing Turnkey Solution in hydraulic pneumatic, electric, conveying and weighing application by adding value to the leading vendors of automation product. Mechatronics policy is to serve the customer with innovative technology in order to improve the efficiency of their product and process.

To achieve this policy our mechatronics services follows the following objectives

- To offer our customer highest quality and reliable products always.
- Educate our customers with new skills and hence broadening their knowledge.
- Our employees are out strength to achieve “customer's Expectation” by proper training and motivation.





PLANT & MACHINE RELOCATION

We are engaged in offering valuable services for plant and machine shifting which are undertaken by our qualified and experience team of professionals. Equipped with quality machine, we can easily shift plants from one location to another. These services are provided by us keeping in mind the quality aspect, time limit and other specification of the client. Our services are appreciated by our client for reliability, time management and are offered at the most competitive prices.

PRODUCT RANGE FOR AUTOMATION SOLUTIONS

1. Programmable logic controllers (PLC)
2. Programmable Automaton Controllers (PAC)
3. HMI and SCADA system
4. VFDs and DC Drives
5. Intelligent MCC
6. Transducers
7. Data Acquisition system
8. Process instruments
9. Protocol Converters



HVAC Solution

Domestic Segment Scope

- SITC of Split AC
- SITC of Window AC
- SITC of VRV Ac
- SITC for Tower AC

Commercial/Industrial Segment Scope

- SITC of Basement Ventilation System
- SITC of officers VRV AC
- SITC of Ductable AC
- 3-Phase AC
- SITC of Chillier Tower
- SITC of Pharmacy Industries minus temperature deep Fizzer
- SITC of Blood Deep Fridge
- SITC of Hospital Air Conditioning.

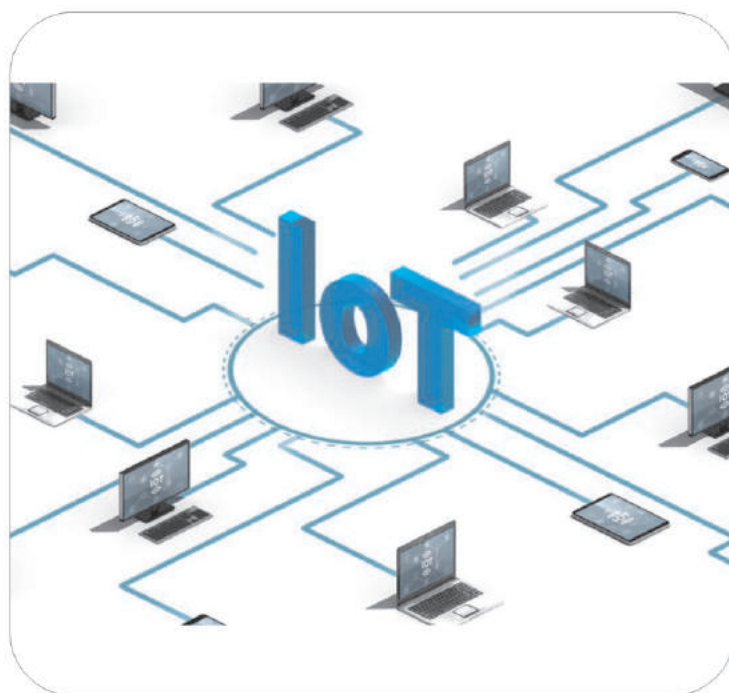
Internet of Things(IoT) has a major role in making this Possible. All Sectors from home to industries, automation through IoT devices are making remarkable changes in daily processes.

Top Benefits of IOT in Industrial Automation

- Enhanced efficiency
- High accuracy
- Cost-effective
- Quick process completion
- Lower power needs
- Low errors
- Easy to control

Applications of IoT in Industrial Automation:

- Security
- Automation of processes
- Maintainance
- Smart logistics management
- Integration of smart tools
- Data analysis with custom software
- Advanced Packaging
- Smart Vehicles
- Easy quality control



Training

We are organizing following programs to create high potential industry aware.

- Conduct Industrial certification programs for students at selected universities and colleges across the globe.
- Conduct faculty training programs to create Industry Aware tutors.
- Work with universities to create industry oriented curriculum and endorse their courses.
- Organise 30 day intensive Industrial and Leadership training camp
- Support Research and Development work in the field of Automation, Robotics, Mechatronics and engineering at college campuses through a constant mentorship and feedback mechanism.
- Organise an Annual event which brings in innovators from the above mentioned sectors from across the globe to showcase their projects, products and services.
- Support in Lab Installations and equip-mentation for Universities.



INDUSTRY UNIVERSITY TRANSFORMATION PROGRAM

The World Needs Will Change With Time.
We Are Creating Solutions For You Today -
Innovative, Efficient And Reliable



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