

***“ Technology
At Its Best...”***



ELECTRICAL CONSULTING



PANEL MANUFACTURING



PROCESS AUTOMATION



INDUSTRIAL SOFTWARES



TURNKEY SOLUTIONS



SOLAR POWER PLANTS

Tech7 Automation Systems India Pvt Ltd

An ISO 9001 Certified Company

Increase your productivity | Improve your production quality | Grow your profit margins



ABOUT US

Tech7 Automation is a Sister Concern of Univend Associates, Angamally, Kerala (Authorized Kerala & Karnataka Dealer for Mettler Toledo Weighing Solutions for the last 10 years). Company is promoted by two directors Mr.Charles Joseph Thayil and Mr.Manoj Pathakkara with a vast experience in the industrial field. Mr.Charles J Thayil worked in various higher management positions in TRANSFORMERS & ELECTRICALS, KERALA and having vast experience in HT & LT fields like Substation Design, erection & Commissioning and having a total experience of 25 Years in the electrical Industry. Mr.Manoj Pathakkara is having a work experience with SIEMENS & ROCKWELL AUTOMATION in Electrical & Automation field for the past 15 years.

Tech7 Automation is an ISO Certified company, we take a close insight into the quality of our products and ensures that they surpass the expectations of our customers. We provide efficient sales and service support of all these products with efficiency and high promptness. Timely delivery is yet another feature that has made us a worthwhile reputation in the industry.

We are open to all forms of suggestions and feedbacks that can help us in enhancing the features of our products and help our customers satisfy all their needs that related to power and electricity. We export our products to many countries and have successfully established ourselves as a reliable Solution Provider of global repute.

Our Young and dynamic team can provide systems integration, project management, design, programming, commissioning training and documentation services for all of your factory automation needs. We can provide complete turnkey solutions or expertise at any time during an automation project from conception to completion.

The Company's registered office and factory located at the heart of Industrial city of South India, Coimbatore, Tamilnadu. This facility having approximately 7000 sq.ft area for the following functions:

FACILITIES

- ❖ Administration, Design & Engineering, procurement, and quality assurance offices
- ❖ Main stores
- ❖ Switchboard manufacturing Area
- ❖ Mechanical workshop area
- ❖ Warehouse & cable store

We Integrate with...

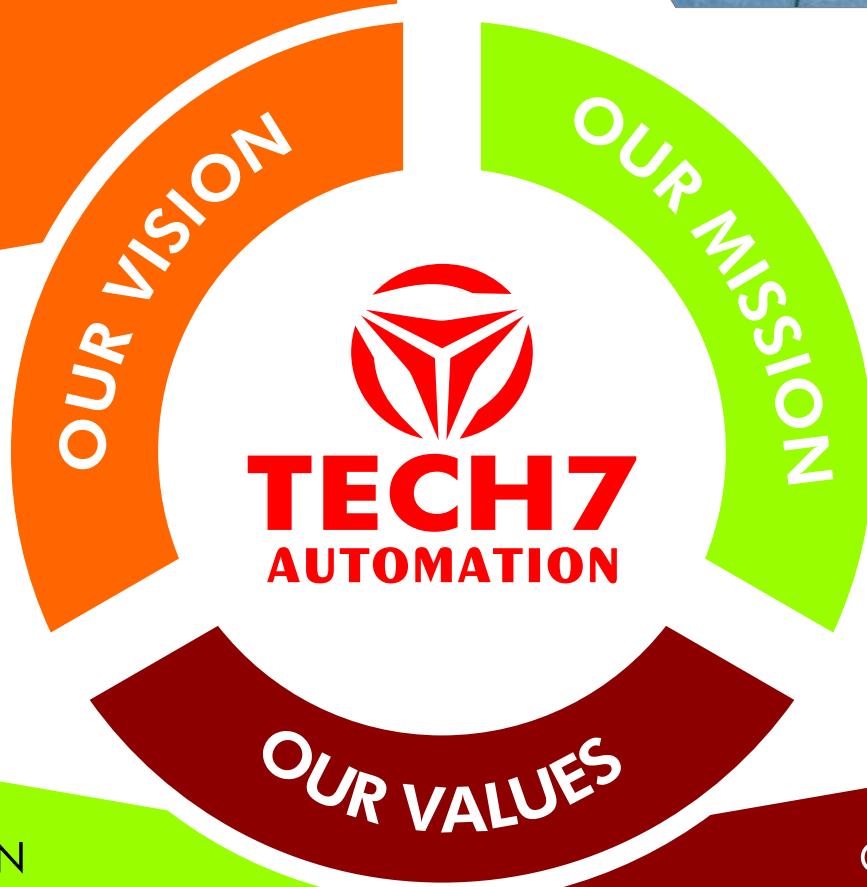


VISION MISSION VALUES



OUR VISION

To be the customer's "FIRST CHOICE" supplier in WORLD-CLASS industrial automation products & services in our market place.



OUR MISSION

Tech7 Automation strives to provide integrated and innovative solutions to our clients by utilizing the latest technology, best practices and recognized industry standards. Through our knowledge and significant experience in the industry, we add value to our client's operations and build long term relationships that are mutually beneficial.

OUR VALUES

1. Respect
2. Integrity
3. Leadership
4. Continuous Improvement
5. Satisfy Customers & Suppliers
6. Social Responsibilities
7. Employee & Share holder values



ENGINEERING SOLUTIONS

ELECTRICAL SOLUTIONS

- ❖ Electrical Turnkey
- ❖ VCB Panel upto 33 kv
- ❖ LT/HT Solutions
- ❖ MCC Panels
- ❖ PCC Panels
- ❖ Intelligent MCC
- ❖ Capacitor Panels
- ❖ Starter Panels
- ❖ Draw out Type MCC panels
- ❖ AMF Panels
- ❖ Synchronizing Panels
- ❖ Bus Ducts
- ❖ Field Cabling
- ❖ Switchgear Panels
- ❖ Motors
- ❖ Industrial Power Cables
- ❖ Substation Automation & Switch Yards

INDUSTRIAL AUTOMATION

- ❖ Plant Wide Automation
- ❖ PLC Systems
- ❖ HMI/SCADA Solutions
- ❖ Centralized Reporting
- ❖ Machine Automation
- ❖ VFD Solutions
- ❖ Soft Starter Solutions
- ❖ RFID Based Solutions
- ❖ RTU Systems
- ❖ Batching Systems
- ❖ Weighing Solutions
- ❖ Servo Based Applications
- ❖ Sensors
- ❖ Tracking & Tracing Solutions
- ❖ Inventory Management
- ❖ Industrial Software

BUILDING AUTOMATION

- ❖ Access Control
- ❖ Building Intelligence
- ❖ HVAC
- ❖ Lighting
- ❖ Security Systems
- ❖ Home Automation





RITTAL



Rittal. Power and Vision!

Since its founded in 1961, Rittal has continuously evolved into the world's leading systems provider for enclosures, power distribution, climate control, IT infrastructure and software & services.

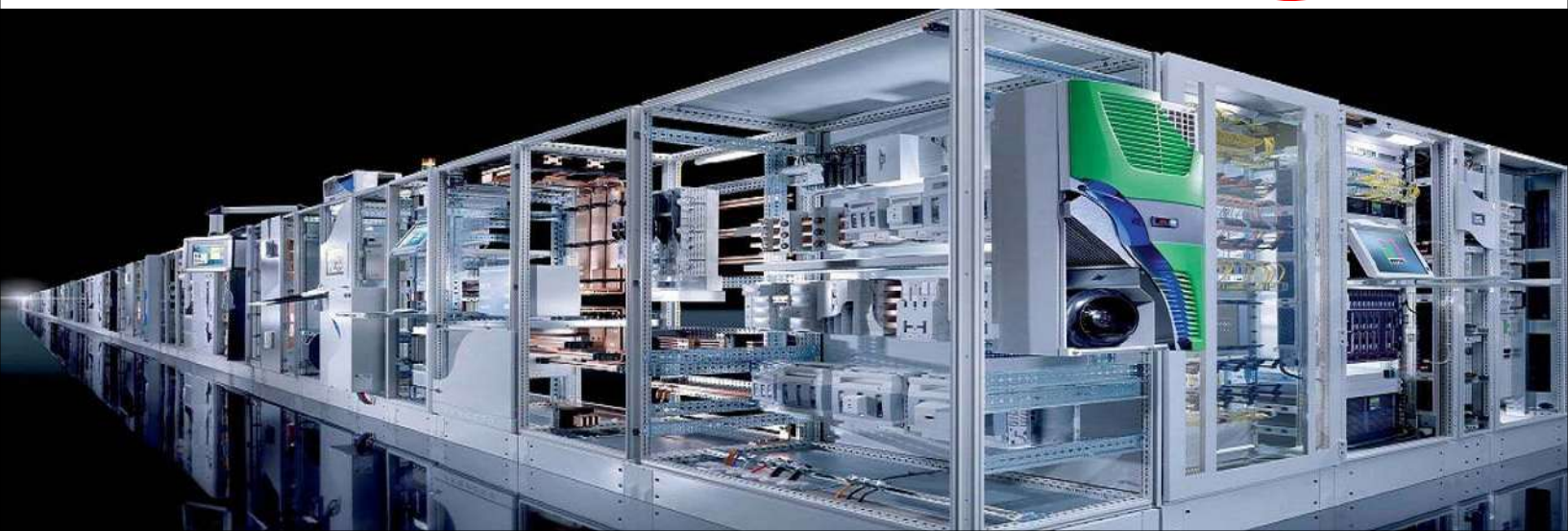
Today, "Rittal – The System." offers you a perfectly coordinated system platform. It unites innovative productions, pioneering engineering solutions and global service to accommodate the most diverse requirements. It caters to a whole host of industries, from machinery and plant engineering, to the automotive industry, through to information technology.

All from a single source, all in top quality. That is what "Rittal – The System. Faster – better – everywhere." is all about. A workforce of 10,000, manufactures and develops "Rittal – The System." on your behalf. Ensuring you stay on the track for success. Tap into synergy potential with our sister company Eplan, the leading manufacturer of software for cross-disciplinary engineering solutions.

We are Authorised system Integrator for Rittal Ri4 Power Solutions which complies worldwide standard IEC 60439-1 & IEC 61439-1/2. We also manufacture MCC & PCC Panels with fully Rittal Enclosures.

PRODUCT PORTFOLIO

- ❖ Enclosure Systems
- ❖ Electronic Packaging
- ❖ Systems Climate Control
- ❖ Power Distribution
- ❖ IT Solutions.
- ❖ Communication Systems





KEY FUNCTIONS

Since 2010, the company's mainline operations are being in commercial Infrastructure Installations, Industrial Installations and Electrical Solution provider to electrical installations with Service Support includes upgrading/modifications of electrical systems and Refurbishment of Switchboards to the customer requirements. Tech7 Automation Systems (I) Private Limited is providing a total service from design, procurement and installation

through to commissioning. Other key functions include complete switchboard overhaul/retrofits of electrical machinery and systems.

TYPE OF INDUSTRIES INVOLVED

- ❖ Mining & Minerals
- ❖ Chemical Factories
- ❖ Machinery OEMs
- ❖ Crushing Plants
- ❖ Refineries
- ❖ Water & Waste Water Management
- ❖ Paper Mills
- ❖ Tyre & Rubber
- ❖ Textiles
- ❖ Cement
- ❖ Data Center
- ❖ Hospital Complex & Malls
- ❖ Automotive

SERVICES

Tech7 Automation Systems (I) Private Limited has trained and experienced engineers that are professionally qualified related to SCADA systemization, PLC & systems engineering, PLC programming, VFD engineering & parameterization, Power Factor correction, Control methods and Power Quality analysis in Industrial Areas and Paper & Printing Industry atmospheres such as Material Handling Systems & Conveyors.

INDUSTRIAL AREA SERVICES INCLUDE

- ❖ Installations & Commissioning
- ❖ Retrofitting, Repairs & Servicing
- ❖ Cabling includes Trench, Overhead & Ladder
- ❖ Inspection, testing and reporting



MANUFACTURING

Tech7 Automation Systems (I) Private Limited is able to manufacture products as per customer specification and requirements. All goods are manufactured to the highest level of quality and are managed by our ISO 9000-2008 Quality Certified System thus our process systems are well defined. Our Panels are CPRI certified by CPRI Laboratories, Bangalore.

MANUFACTURING SERVICES INCLUDE

- ❖ Electrical Panels
- ❖ MCC Panels
- ❖ PCC Panels
- ❖ Feeder Pillar
- ❖ Draw out Type MCC panels
- ❖ DG Synchronization Panels
- ❖ AMF Panels
- ❖ APFC Panels
- ❖ Push Button Station/DB Boxes
- ❖ Control Panels
- ❖ PLC / SCADA Panels
- ❖ VFD / Soft Starter / Starter Panels
- ❖ Control Desk
- ❖ HT Panels / VCB Panels



HT PANELS



We manufacture high quality H.T panels, 6.6KV/11KV/22KV/33KV HT VCB PANELS which are highly durable and efficient due to the best quality raw materials used in manufacturing. Our HT power panels are designed using ABB make Vacuum Circuit Breakers with all safety features like Over-Current, Short - Circuit Fault, Earth Fault and Transformer Protections. The systems are designed to isolate different parts of the plant during faults without damaging the switch gears. HT panels are designed to handle required power using Vacuum Circuit Breakers, Load break switches to feed different loads.

We Provide following HT Solutions

- ❖ HT VCB Panel for 6.6KV/11KV/22KV/33KV
- ❖ Load Break Switches
- ❖ Medium Voltage Soft Starters 3.3kv/6.6kv/11kv
- ❖ DG Synchronisation Panels For 11kv DG Sets
- ❖ Medium Voltage VFD Panels 6.6kv/11kv
- ❖ Ring Main Units
- ❖ SF6 Breaker Panels
- ❖ HT Starter Panels
- ❖ Packaged Sub Station
- ❖ Control & Relay Panels
- ❖ Substation Automation

QUALITY ASSURANCE

Tech7 Automation Systems (I) Private Limited have developed and implemented a quality management system complying with ISO 9001-2008. At Tech7 Automation Systems (I) Private Limited, we never compromise quality for price. Our quality assurance ensures our clients are satisfied with their needed specification. We have a simple philosophy of getting the Job done on time and on budget, while still providing quality of service



TESTING FACILITIES

- ❖ Visual Inspection
- ❖ Insulation Resistance Test-megger Test
- ❖ H.V. Test
- ❖ Functional Testing (By Power up the Control Supply)



ELECTRICAL INSTALLATIONS

Installation services include :

- ❖ 2 POLE/ 4POLE/6 POLE Structure Installation
- ❖ Transformer Indoor/Out door Installation
- ❖ VCB Panel/ HT Panel Installation
- ❖ Bus duct Supply & Installation
- ❖ Cable supply, installations and termination
- ❖ Electrical Panel Installation
- ❖ Plant Earthing & Panel Earthing as per Inspectorate Guide lines
- ❖ Electrical power generation, protection and distribution installations
- ❖ Control system installations
- ❖ Generators Installation
- ❖ Lightning Arrestors
- ❖ Industrial Motors
- ❖ Instrumentation Systems
- ❖ All other equipments related to electrification of plant and machinery

Our extensive experience with a vast array of electrical distribution applications, from line supply to supply loads, is used by our team to provide attention to details while ensuring the best possible quality in work and system reliability.

SOLAR SYSTEMS

- ❖ On-Grid Solar System
- ❖ Off-Grid Solar System
- ❖ Solar Pumping Systems

We provide the following services:

- ❖ Designing customized energy solutions.
- ❖ Site study for solar installation.
- ❖ Installation and commissioning of the power plants.
- ❖ Conducting energy audit and consultancy for specific solar installations
- ❖ After sales service.



PRODUCT EXPERIENCE



SWITCH GEARS

- Siemens ❖
- Schneider ❖
- ABB ❖
- L&T ❖
- Legrand ❖



SCADA SOLUTIONS



- ❖ Allen Bradley FT View SE/ME
- ❖ Siemens Win CC
- ❖ Wonderware Intouch
- ❖ Horner C Scope

OTHER PRODUCTS

- Motors ❖
- Sensors ❖
- Cables ❖
- Transformers ❖
- HT / VCB Panels ❖



PROGRAMMABLE LOGIC CONTROLLERS (PLC)



- ❖ Allen Bradley
- ❖ Siemens
- ❖ Delta
- ❖ Schneider
- ❖ ABB

AC VARIABLE FREQUENCY DRIVES (VFD)

- ABB ❖
- Siemens ❖
- Allen Bradley ❖
- Vacon ❖
- Yaskawa ❖



HUMAN MACHINE INTERFACE (HMI)



- ❖ Allen Bradley
- ❖ Siemens
- ❖ ABB
- ❖ Schneider
- ❖ Delta



*“ Sale is not the end
of our business
It's start of our
Responsibility”*



An ISO 9001 Certified Company

We Integrate with...



Tech7 Automation Systems India Pvt. Ltd.,

An ISO Certified Company

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