



# Industrial Automation & Turnkey Engineering Solutions

Delivering expert automation solutions across design and engineering, manufacturing, supply, skilled manpower, and complete erection, installation, and commissioning services for industrial projects worldwide.

## About Us

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Valstem Automation is a leading industrial automation organization with a strong presence across India and international markets. We deliver end-to-end turnkey automation solutions that integrate engineering, project execution, manufacturing, and I&C services into a single, efficient delivery model—helping clients reduce cost, accelerate timelines, and improve overall performance.

Built on deep industry experience and a scalable technology portfolio, Valstem supports organizations in operating safer, more reliable, and more sustainable facilities.

From plant-floor systems to large-scale building automation, we provide lifecycle services that enhance productivity, stability, and long-term operational excellence.

Trusted by global and domestic clients, Valstem acts as an extended engineering arm for companies seeking high-quality solutions at competitive project costs. Our team combines expert designers, engineers, software developers, and field professionals who execute every project with precision, consistency, and adherence to international quality standards.

With a strong client-centric philosophy, robust engineering practices, and a commitment to delivering superior output on time, Valstem continues to build long-term partnerships while enabling industries to modernize, optimize, and grow with confidence.



## Our Area of Expertise

### The VALSTEM Promise:

To deliver reliable, scalable, and high-value automation solutions that empower our clients to lead their respective industries.

**Expert-Led. Global-Scale. Precision-Engineered.** VALSTEM Automation delivers specialized, end-to-end expertise across the entire project lifecycle. From initial design to global execution, we provide the technical precision required for the world's most demanding industrial environments.

### Our Core Capabilities

We bridge the gap between complex engineering challenges and seamless operational reality through four primary pillars:

- **Design & Engineering:** Custom-architected automation frameworks tailored to operational goals.
- **Strategic Supply:** Procurement of high-specification components and systems from a vetted global network.
- **Project Execution:** Turnkey management of complex installations, ensuring safety, & compliance.
- **Consultancy:** Leveraging decades of Electrical and Instrumentation knowledge to optimize existing assets.

### Our Track Record by the Numbers

- **50+ Successful Domestic Projects:** Deeply rooted in local industry standards and logistics.
- **15+ International Commissions:** Adapting to diverse global regulations and complex environments.
- **20+ Years of Combined Leadership:** Expert-level oversight on every contract.





## Message from CEO

At VALSTEM Automation, our journey is built on a simple yet powerful belief — engineering excellence, trust, and long-term partnerships create sustainable success. In today's rapidly evolving industrial landscape, automation is no longer a choice; it is a strategic necessity. Our mission at VALSTEM is to empower industries with reliable, safe, and future-ready automation solutions that enhance operational efficiency while meeting the highest standards of quality and compliance.

With over two decades of experience across power, oil & gas, cement, and industrial automation, I have witnessed how disciplined execution, innovation, and customer focus can transform organizations. At VALSTEM, we apply these principles to every project — from engineering and execution to commissioning and lifecycle support.

Our success is driven by a highly committed team, strong ethical values, and a relentless focus on delivering measurable value to our clients. As we continue to grow, we remain dedicated to embracing new technologies, strengthening partnerships, and contributing to a more efficient and sustainable industrial future.

I thank our customers, partners, and team members for their continued trust and support. Together, we will continue to build automation solutions that power progress.

## Mission

To be the global benchmark in industrial automation, where engineering excellence meets sustainable innovation, empowering industries to operate with unprecedented precision and efficiency.

## Vision

To deliver high-precision automation and engineering solutions that optimize performance and drive value. We achieve this through deep technical mastery, a commitment to reliability, and a partnership-driven approach to solving the world's most complex industrial challenges.



## Why VALSTEM Automation

- End-to-end turnkey automation capability
- Strong domestic and international project experience
- Skilled engineering and site execution teams
- Industry-compliant quality and safety practices
- Competitive project delivery costs
- Long-term partnership approach



## Industry Verticals Served

VALSTEM Automation provides solutions across a wide range of industries, including:



Cement Plant



Chemical Plant



Agriculture Plant



Mining Industry



Oil & Gas Industry



Steel Plant



Pharmaceutical Industry



Food Industry



Power / Hydro Plant



Process Industry



Office & Building  
Automation



Manpower Solutions

# Our Services

VALSTEM Automation delivers comprehensive automation and engineering solutions designed to enhance operational efficiency, reliability, and performance across diverse industrial sectors.

Our service portfolio spans the entire project lifecycle, providing clients with a seamless, end-to-end execution.

## DESIGN & ENGINEERING



Comprehensive electrical, control, and instrumentation engineering tailored for industrial automation projects.

## TURNKEY AUTOMATION



End-to-end turnkey execution covering engineering, supply, installation, commissioning, and handover.

## SKILLED & TRAINED MANPOWER



Deployment of certified and experienced technical manpower for industrial automation and EPC projects.

## MANUFACTURING & FABRICATION



Precision manufacturing and fabrication solutions supporting automation panels, skids, and industrial systems.

## CONTROL PANEL DESIGN & INTEGRATION



Design, assembly, testing, and integration of PLC, MCC, PCC, and automation control panels.

## PROJECT MANAGEMENT



Professional project management ensuring scope control, quality assurance, and on-time delivery.

## FIELD ENGINEERING SUPPORT



On-site engineering support for troubleshooting, integration, testing, and system optimization.

## SITE INSTALLATION & COMMISSIONING



Complete installation, testing, and commissioning services ensuring safe and reliable system startup.

## REPAIR, RETROFITTING & SYSTEM UPGRADES



Modernization and upgrading of existing automation systems to improve performance and reliability.

## TRAINING & PLACEMENT



Industry-oriented training and placement programs for automation engineers and technicians.

## ADMINISTRATIVE SUPPORT SERVICES



End-to-end administrative and documentation support for industrial and EPC project operations.

## THIRD-PARTY INSPECTION



Independent inspection and quality verification services to ensure compliance with project standards.



# Technology & Strategic Partners

## Jiangsu Changjing Electronics Technology Co., Ltd. (China)

A leading and rapidly growing global semiconductor manufacturer. JSCJ specializes in diodes, transistors, MOSFETs, IGBTs, PMICs, and analog/digital ICs, serving consumer, industrial, automotive, energy, and AI applications.

### Key Capabilities & Product Portfolio:

- Global Tier-1 Diodes and Transistors
- D-IGBT Modules (Global Tier-1 Performance)
- Full-Range IC Portfolio
- One-Stop Semiconductor Product Solutions
- Advanced Trench, SGT, Planar & SJ MOSFET Processes

### Product Categories:

**Discrete Devices:** Diodes, Bipolar Transistors (BJTs), MOSFETs (including SiC MOSFETs), and IGBTs.

**Power Management ICs (ICs):** LDOs, DC-DC converters, amplifiers, and comparators.

**Protection Devices:** ESD and surge protection devices.

**Frequency Devices:** Crystals and oscillators.

**Wafers:** The company also offers wafer products.

### Applications:



**Consumer  
Electronics**



**Industrial Control**



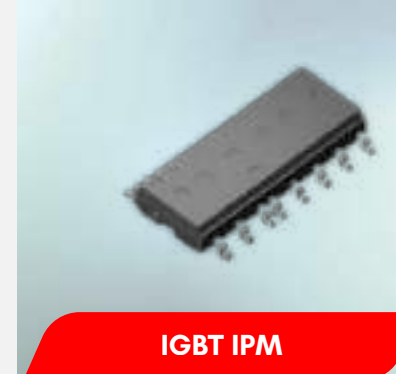
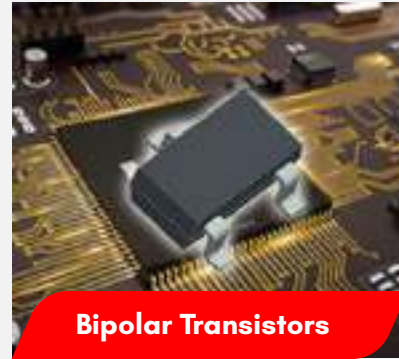
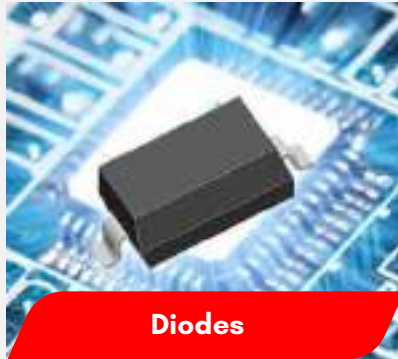
**Automotive  
Electronics**



**New Energy**



# Product Portfolio & Engineered Solutions



# Technology & Strategic Partners



## Kentec Electronics – United Kingdom

Kentec Electronics is a world-leading UK-based manufacturer of life safety control systems, specializing in advanced fire alarm and extinguishant control panels. Founded in 1985, the company has a global reputation for producing high-quality, reliable, and innovative fire safety solutions that are designed and manufactured entirely in the UK.

### Key Capabilities & Product Portfolio:

- **World-Class Fire Control:** Leading manufacturer of Taktis (addressable) and Sigma (conventional) fire platforms.
- **Extinguishing Excellence:** Global leader in specialized extinguishant release control panels for critical infrastructure.
- **Wireless Innovation:** Advanced K-Mesh technology for rapid-deploy wireless fire detection systems.
- **Remote Monitoring:** Vizulinx IoT integration for cloud-based system management and mobile alerts.
- **Custom Engineering:** Bespoke "Custom Build" service for complex, site-specific industrial requirements.

### Product Categories:

- **Fire Alarm Panels:** Analogue addressable (Taktis) and conventional (Sigma CP) control systems.
- **Extinguishing Systems:** Sigma XT/XT+ automatic release panels for gas suppression.
- **Wireless Solutions:** Mesh-networked detectors, modules, and lockdown systems.
- **Software & Integration:** Graphical management suites and BMS interface modules (Modbus/BACnet).
- **Ancillary Devices:** Remote status indicators, power supplies, and manual release terminals.

### Applications:



Critical Infrastructure



Marine & Offshore



Commercial



Hospital



Manufacturing

# Product Portfolio & Engineered Solutions



**Addressable Fire Detection**



**Conventional Fire Detection**



**Extinguishant Control Panels**



**Wireless System**



**Wired Fire Detection**



**Gas Detection**



**UL/ FM Approved Panels**



**Visual Fire Management Systems**



**Voice Evacuation System**



**Intelligent Network and Communications**



**Marine**



**Miscellaneous**



**Emergency Voice Communications Systems**



**Power Supplies & Battery Chargers**



**Taktis - Addressable Fire Alarm Control Panel**



# Technology & Strategic Partners



## M+F Technologies Gmbh

M+F Technology (Germany), a globally recognized leader with 35+ years of terminal automation expertise and 2,000+ installations worldwide, delivers solutions designed for non-interrupted operations, 0.01% accuracy, and seamless data visibility at your fingertips.

### Their fully integrated ecosystem includes:

- European-grade batch controllers (in-house designed & manufactured)
- Advanced COTAS software suite
- High-reliability field equipment & automated systems
- End-to-end terminal automation with world-class documentation & global safety standards

### Why M+F Technology is a Game-Changer for Oil & Gas Sector's:

- Unified Batch Controller + Terminal Automation Software ecosystem
- Proven performance in critical environments globally
- Pre-qualified by IOCL for product competency

## Standard Product Range

### Automation & Control Products

- Batch Controllers
- Flow Controllers
- PD (Positive Displacement) Controllers

### Loading & Handling Systems

- Loading Arms
- Rail Car Loading & Unloading Systems
- Bitumen Loading Systems
- On-Spot Filling Tubes

### Terminal Automation & Additives

- Terminal Automation Solutions (TAS)
- CBU Additivation Systems
- CBS Blending Systems
- Safety & Access Solutions
- Access Control Systems

### Aviation & Special Applications

- Helicopter Refuelling Systems
- Refueller Units

# Product Portfolio & Engineered Solutions



CMS for Fuel Loading & Unloading Applications



MOBOTOP  
Modular Truck Loading System



PUMPSKID



AVIATION REFUELLER

# Technology & Strategic Partners

## J Btransfar Electric Co.Ltd. China

Beijing TransFar Electronics Group Co., Ltd is a national high-tech enterprise specializing in new energy precision Power Sensors/transducers, new energy reactors, special transformers, AC/DC, DC/DC Power Modules, and various small precision electromagnetic devices

### Key Capabilities & Product Portfolio:

- **Global Tier-1 Sensing Technology:** Leading provider of magnetic modulated and Hall Effect sensors.
- **Industrial Power Modules:** High-performance AC-DC/DC-DC converters with superior isolation.
- **Full-Range Magnetic Portfolio:** Specialized in transformers and reactors for smart grids.
- **One-Stop Power Solutions:** Integrated R&D for EV, rail transit, and industrial automation.
- **Advanced Casting Processes:** Vacuum epoxy resin encapsulation for extreme durability.

### Product Categories:

- **Discrete Devices:** Current/Voltage sensors, High-frequency reactors, and Pulse transformers.
- **Power Management (Modules):** Isolated AC-DC/DC-DC converters and switching power modules.
- **Protection Devices:** High-isolation sensing and current limiting components.
- **Frequency Devices:** Specialized signal processing components for power electronics.
- **Core Components:** Precision magnetic cores and sensing elements for EV charging systems.

### Applications:



New Energy



Electric Power Automation



EV Equipment



EV Mobility



EV Charging Stations



# Product Portfolio & Engineered Solutions



**Power Transformers**



**Voltage/Current Transformers**



**Power Sensors**



**Power Modules**



**Anti-resonance Reactors**



**High Withstand Voltage IGBT Drive Transformer**



**3 phase Synchronous Power Transformer**



**Series Current Sensor**



**Wind Power Reactors**



**Harmonic Suppression Reactors**



**Medical Isolation Transformers**



**Power Modules DC-DC**

# Technology & Strategic Partners



## Roppex Group China

With over 15 years of manufacturing excellence, Roppex Electric provides a comprehensive range of CE and IP68-certified cable glands tailored for global industrial applications.

### Key Capabilities & Product Portfolio:

- **Industrial Sealing Technology:** Specialized in IP68/IP69K waterproof metallic and nylon cable glands.
- **Hazardous Area Safety:** ATEX and IECEx-compliant explosion-proof connectors for oil and gas.
- **Precision Engineering:** Expertise in SS316L, nickel-plated brass, and UL-approved Nylon PA66.
- **Global Standardization:** Full compatibility with Metric, PG, NPT, and G thread international standards.
- **Extreme Durability:** Weather-resistant and EMC-shielded designs for electromagnetic protection.

### Product Categories:

- **Metal Glands:** Stainless steel and brass connectors (Single/Double compression).
- **Plastic Glands:** High-temp Nylon, breathable/venting, and multi-hole glands.
- **Flexible Systems:** Liquid-tight conduits and corrugated pipe connectors.
- **Wiring Accessories:** Adapters, reducers, stop plugs, and sealing gaskets.

### Applications:



Energy & Infrastructure



Heavy Industry



Automation



Energy Storage



Industrial Automation

# Our Quality Commitment

VALSTEM Automation Pvt. Ltd. is committed to maintaining a robust Quality Management System that delivers cost-effective, timely, and customer-focused solutions.

We foster an open and participative work environment that promotes continual improvement in:

- Processes
- Products
- Services
- Quality management systems

## **Our in-house QA/QC procedures cover:**

- Engineering design verification
- Assembly and integration checks
- Factory testing and inspections

We strictly comply with client-specific QA/QC requirements, ensuring every project meets the highest standards of safety, reliability, and performance.





# Glimpses of Completed Projects



**Client:** UltraTech Cement  
**Location:** Rajasthan  
**Project Type:** WHRS Upgradation



**Client:** Ambuja Cement  
**Project Type:** WHRS Electrical & Instrumentation



**Client:** Indian Oil Corporation  
**Location:** Assam  
**Project Type:** Terminal Automation & Ethanol Blending System



**Client:** Engineers India  
**Location :** Maharashtra  
**Project Type:** Tank Farm System & Automation work



**Client:** Shyam Metaliks  
**Location :** West Bengal  
**Project Type:** 90 MW CFBC Boiler, 4 WHRS Boiler Electrical & Instrumentation Packages



**Client:** HPCL  
**Location :** Assam  
**Project Type:** Supply of instrument sensors, Supervision of Ethanol Blending tank system



**Client:** Shapoorji Pallonji EPC  
**Location :** Chattisgarh  
**Project Type:** Hot Strip Mill Instrumentation packages



**Client:** Thermax Limited  
**Location :** Maharashtra  
**Project Type:** Skid electrical & instrumentation for Export Skid



**Client:** Thyssenkrupp Ltd.  
**Location :** Andhra Pradesh  
**Project Type:** Fabrication and assemble of IBR parts PDIL



**Client:** Zuari Cement Ltd  
**Location :** Andhra Pradesh  
**Project Type:** Manpower Supply for New Cement plant



**Client:** HMEL  
**Location :** Gujarat  
**Project Type:** Supply of HMI Units with installation COT Project



**Client:** Reliance Boi Energy  
**Location :** Maharashtra  
**Project Type:** Electrical & Instrumentation for Biogas plant



**Client:** Baramati Sugar Limited  
**Location:** Maharashtra  
**Project Type:** 1 WHRS Boiler for Electrical & Instruments



**Client:** SRF Pharmaceutical  
**Location :** Gujarat  
**Project Type:** Supply of HMI Units with installation COT Project



**Client:** Super Smelter  
**Location :** West Bengal  
**Project Type:** Electrical & Instrumentation for WHRS

# Our Valued Clients

## Oil & Gas



## Automation OEMs



## Steel & Mining



## Sugar Industry



## Power & Energy



# Our Valued Clients

Cement Industry					
EPC					
Paper Mills					
Pharma & Chemicals					
Compression					
Mobility					



## Our Presence



**VALSTEM**  
Automation Pvt. Ltd.

### CORPORATE OFFICE

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