

Control Systems in Process Automation

We are a product engineering company that is at the forefront of enabling control system OEMs embrace industry 4.0 technologies. What set us apart from the rest is our technological exposure and engineering expertise. This enables us to assist you in building new-age control systems that offer a perfect amalgamation of technology and sustainability.

Bank on our capabilities to integrate AI & ML to enhance real-time decision making, adopt cloud-based solutions to increase scalability & accessibility, implement IIoT technology to improve remote monitoring and control, and more while meeting the latest ESG standards and sustainability goals.

End-to-end Engineering and Technology Partner for Building Secure, Efficient, Cost-Effective, and Sustainable Control Systems

Our End-to-end Process Automation Expertise

Other Offerings

- Hardware and Firmware Design & Development
- Pre-Compliance Testing
- Certification Services
- VAVE
- Sustenance Engineering
- Manufacturing Services
- Embedded Applications for Devices (C, C++)

Verification & Validation

- Application Testing
- Functional Testing
- Device Testing
- Protocol Testing (Pre-compliance)
- DevOps
- Compliance to Process Automation Standards (ATEX, SIL, IEC 615x, IEC 60079)
- Compliance to Country Specific Standards (CE, UL, FCC)

Digital Engineering

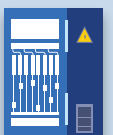
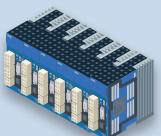
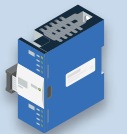
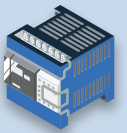
- Custom Mobile Apps for Configuration & Diagnosis
- Modeling, Simulation & Analysis (Sensor / Device Specific)
- Digital Twin Modules
- Batch Control
- AI, ML, and Deep Learning Applications

Mechanical Engineering

- Enclosure Design
- Panel Mounting Design
- Change Management
- Manufacturing Support
- Compliance to PA Standards (SIL, IECx, etc.)

Connectivity & Protocols

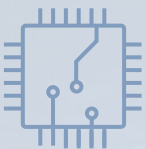
- Protocol Support, OPC, Device Integration, Edge, EDM
- Protocols & Connectivity (HART, FF, Profibus, Profinet, IO-Link, Ethernet/IP, OPC, Devicenet, ISA100, LoRaWAN, WiFi, BLE, NFC)
- Device Integration (Digital Twin Applications) Services





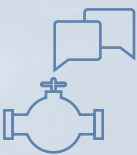
Digital Accelerators

- **DPI Framework**
A rapid application development platform that enables design and engineering of stand-alone mobile/cloud/ web application
- **SE Suite**
Cloud agnostic, on premise suitable secure platform to connect, build, and manage IIoT devices.
- **uFDI-DTM & uDD-DTM Suite**
A comprehensive, robust, and cost-effective FDI-DTM and DD-DTM conversion tool.
- **DTM-supported Device Data Exchange (uDDx) Suite**
Connectivity suite to normalize field-device data and unlock the potential of Industry 4.0 and IIoT



Embedded Accelerators

- **Innovative reference designs for**
 - Industry protocols such as IO-Link, EtherCAT, APL, Embedded OPC, LoRaWAN, etc.
 - Engineered hardware products such as Smart Energy Meter, Edge Gateway, etc.
- **HART and GE/GSM Device Based Simulators**



Connectivity & Protocol Accelerators

- Industrial Protocols Stacks for HART, Modbus, EtherNet/IP, EtherCAT, IO-Link, MTConnect, and IEC 61850
- Plug-and-play uOPC Connectivity Suite that offers a secure data integration for IoT applications aggregating production and machine data
- IEC-104, Modbus, HART, and GE-GSM Based Protocol Simulators

Our Industry Focus - Forums



Standards



O&G



Chemicals



Pharma



F&B



Paper & Pulp



Textiles



Plastics

Industries

This is just the **tip of the iceberg!**

To learn more about our incremental capabilities in **production, monitoring and supervising, manufacturing operations management, business planning and logistics, and cloud**, click here

[Learn More >](#)