



AUTOMATION CONTROL & TECHNOLOGY



DELIVERING **TOTAL ENGINEERING**

OUR AUTOMATION CONTROL & TECHNOLOGY SERVICES

Trant design, custom build and commission a wide range of high quality control panels, motor control centres (MCC's) and automation systems, offering conventional, intelligent and withdrawable systems with outstanding reliability and functionality. We can offer form ratings ranging from form 1 through to form 4. Our design and manufacturing teams will custom built to conform to clients' specific and general specifications, incorporating where applicable all international standards in addition to BS EN 61439-2:2011 compliance.

We offer a complete service to national and global clients across all sectors including:

- **Process & Water**
- **Nuclear**
- **Oil & Gas**
- **Energy**
- **Defence and**
- **Building Services**

We have extensive experience in the design and supply of software for all major PLC, HMI and SCADA suppliers including Rockwell, Siemens, Allen-Bradley and Wonderware and their deployment on industrial networks including Ethernet, Profibus, ProfiNet, DH+, Modbus and Asi. We carry out full design, development and verifications of your applications using our in-house experience from the productions of User Requirement Specification, Functional Design Specification and Factory Acceptance Test Specification through to the final engineered solution.

Control Panels



- Full In-house survey and design services
- In-house manufacture
- Harmonic analysis
- Comprehensive factory acceptance testing (FAT)
- Site installation
- Full SAT and commissioning
- Form 1 to Form 4
- Comprehensive warranty

Motor Control Centres (MCCs)



- Full In-house design
- In-house manufacture
- Front and rear access
- Top or bottom cable entry
- Harmonic analysis
- ASTA certified busbar systems
- Custom built steelwork
- Full FAT and SAT services
- Comprehensive warranty

LV SwitchBoards



- Full In-house and design & manufacture
- Custom built steelwork with range of IP ratings
- Manufacture from Schneider or Dorman Smith
- Lead assembly
- Total population of distribution boards & control stations

Hazardous Area Equipment



- Registered oem for technor marechal
- All enclosures certified to ATEX directive 2014/34/EU
- Zones 0, 1 & 2 gas groups IIA, IIB & IIC to EN60079-0:2012
- Zones 20, 21 & 22 dust groups IIA, IIB & IIC to EN61241-1:2004
- Certified for explosive atmospheres 'd', 'e' and 'i'
- Ex d enclosures can be assembled on a frame for complete process control system

Software System Integration



- In-house design and supply of software for all PLC, HMI & SCADA
- Development and integration of mission-critical systems
- Deployment in industrial networks Including Ethernet, Profibus, ProfiNet, DH+, Modbus and Asi
- Siemens Solution Partner

Operational Technology



- End to end data collection, control and optimisation solutions
- Specialist OT front end design and telemetry modifications to improve asset performance
- ICA panels, software equipment, communication networks and field instrumentation
- System integration and interface optioneering.
- Turn- key delivery including detailed design solutions
- Network monitoring & diagnostics



About Trant Engineering

Our mission is to be the first choice Engineering Procurement and Construction Company for our clients in the UK and overseas.

Our clients can benefit from an extensive range of in-house services including process, MEICA and civil design, Offsite Manufacture & Assembly, Instrumentation Control & Automation products and Commissioning services. This internal capability allows us offer innovation and efficiency to the whole life cycle of EPC projects across all our sectors.

Our fully Integrated Management Procedures with dedicated gateways and managerial swim lanes ensures the technical and commercial health of our projects. These robust procedures give us the ability to deliver complex work programmes in the most challenging and regulated work environments.

Clients can be assured of our commitment to complete their project to high specification, with zero incidents and minimal impact on their operations and neighbouring environment.

Services



Innovation Design & Solutions



Automation Control & Technology



Offsite Manufacture & Assembly

Sectors



Process & Water



Energy



Oil & Gas



International

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