

Automation Control & Technology

About Te-Tech Process Solutions

Te-Tech Process Solutions is a provider of advanced process technologies and conventional products for industrial, municipal and commercial water and wastewater treatment. Our products cater for a range of client needs from standardised products to engineered solutions designed to meet the exacting needs of the client's process.

Te-Tech's in house capability includes process, mechanical and electrical design, off-site manufacture and assembly, MCC and Control Panel Manufacture

and System Integration. Our extended services include digital engineering, service and maintenance, operational support and real time control.

Our organisation is founded upon 4 key areas of expertise:

- Water and Wastewater Treatment
- Automation Control and Technology
- Digital Engineering
- Offsite Manufacturing and Assembly

Advanced technology and innovation are at the core of our business enabling us to provide high quality, efficient solutions to our clients.

Automation Control & Technology

Te-Tech 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 build 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 | ■ Energy |
| ■ Nuclear | ■ Defence and Building Services |
| ■ Oil & Gas | |

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 verification of your applications using our in-house experience from the production of User Requirement Specifications, Functional Design Specifications and Factory Acceptance Test Specifications 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



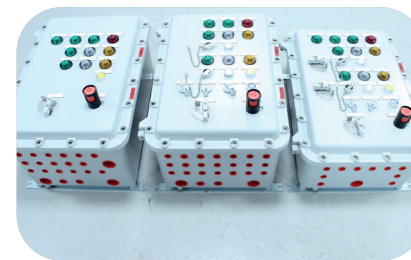
Motor Control Centres (MCCs)

- 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

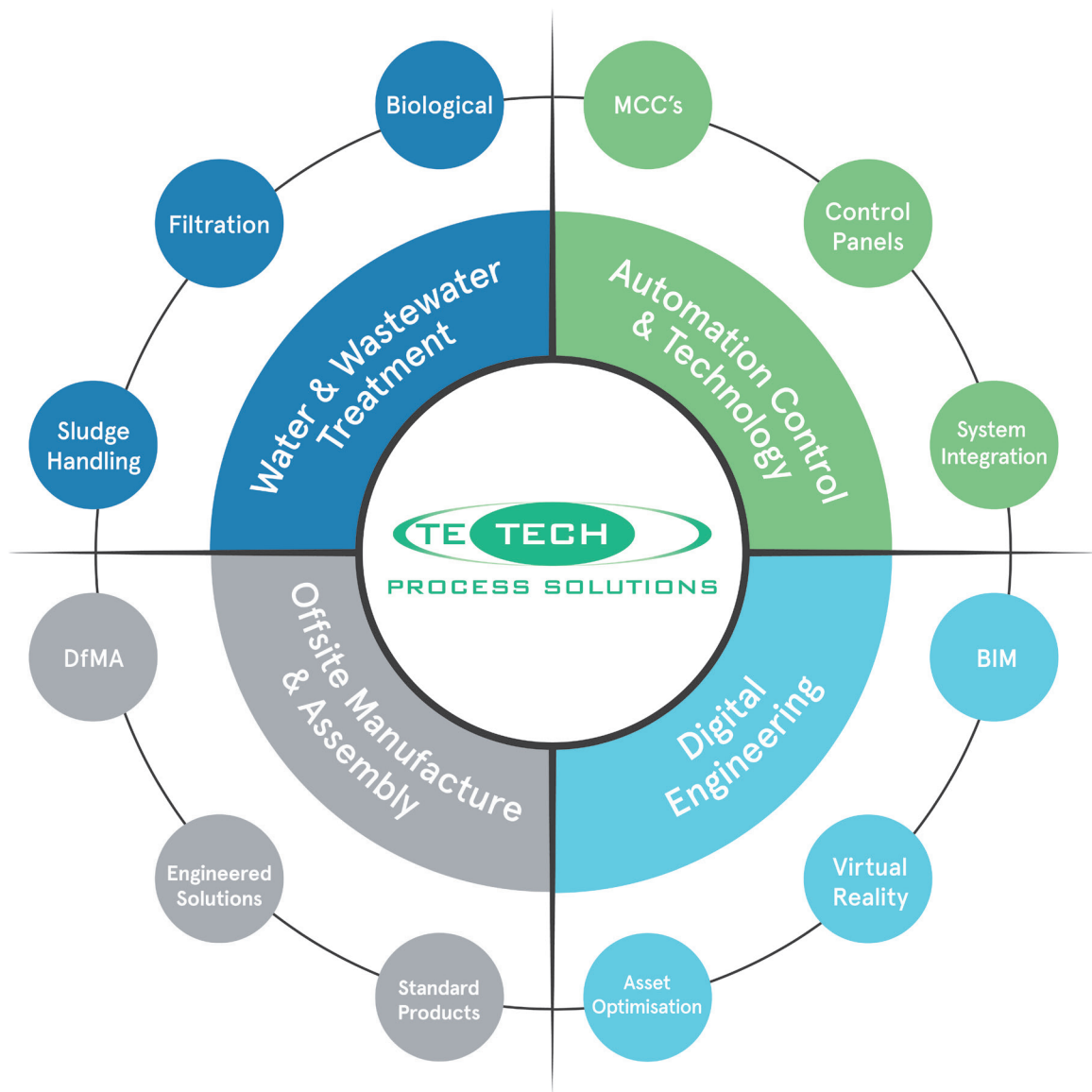
- End to end data collection, control and optimisation solutions
- Specialist OT front end design and telemetry modifications to improve asset performance
- ICA panels, software equipment, communication networks and field instrumentation
- System integration and interface optioneering.
- Turn- key delivery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

**WATER &
WASTEWATER
TREATMENT**

**AUTOMATION
CONTROL &
TECHNOLOGY**

**DIGITAL
ENGINEERING**

**OFFSITE
MANUFACTURE
& ASSEMBLY**



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