



The P3 Remotely Operated Smart Chemical Injection and Pressure Test System is engineered for safe operation in Zone 1 hazardous areas. It is built to a high standard, with applicable harmonised and manufacturing standards incorporated into its design. To ensure operational continuity, the system includes a manual override capability, allowing seamless transition to manual control in the event of automated system interruption. The complete system is third-party certified, reinforcing its compliance and reliability.

At the core of the system is an advanced control architecture capable of monitoring and managing up to four air-driven pump skids simultaneously. This is achieved through an integrated combination of:

- A PC-based SCADA application
- A programmable logic controller (PLC)
- Remote Ex-rated sensors and actuators

Together, these components deliver precise control, enhanced safety, and efficient system performance.

The operator interface is housed within a rugged, portable Pelican case, designed for durability in demanding environments. It features a touchscreen display running the SCADA application, providing an intuitive and user-friendly control platform. Operators can easily perform key actions such as:

- Starting and stopping pumps
- Opening and closing valves

In addition, the interface enables real-time monitoring of critical process parameters, including:

- Pressure
- Temperature
- Flow rate

This combination of automation, safety features, and user accessibility ensures reliable and efficient operation in hazardous industrial environments.