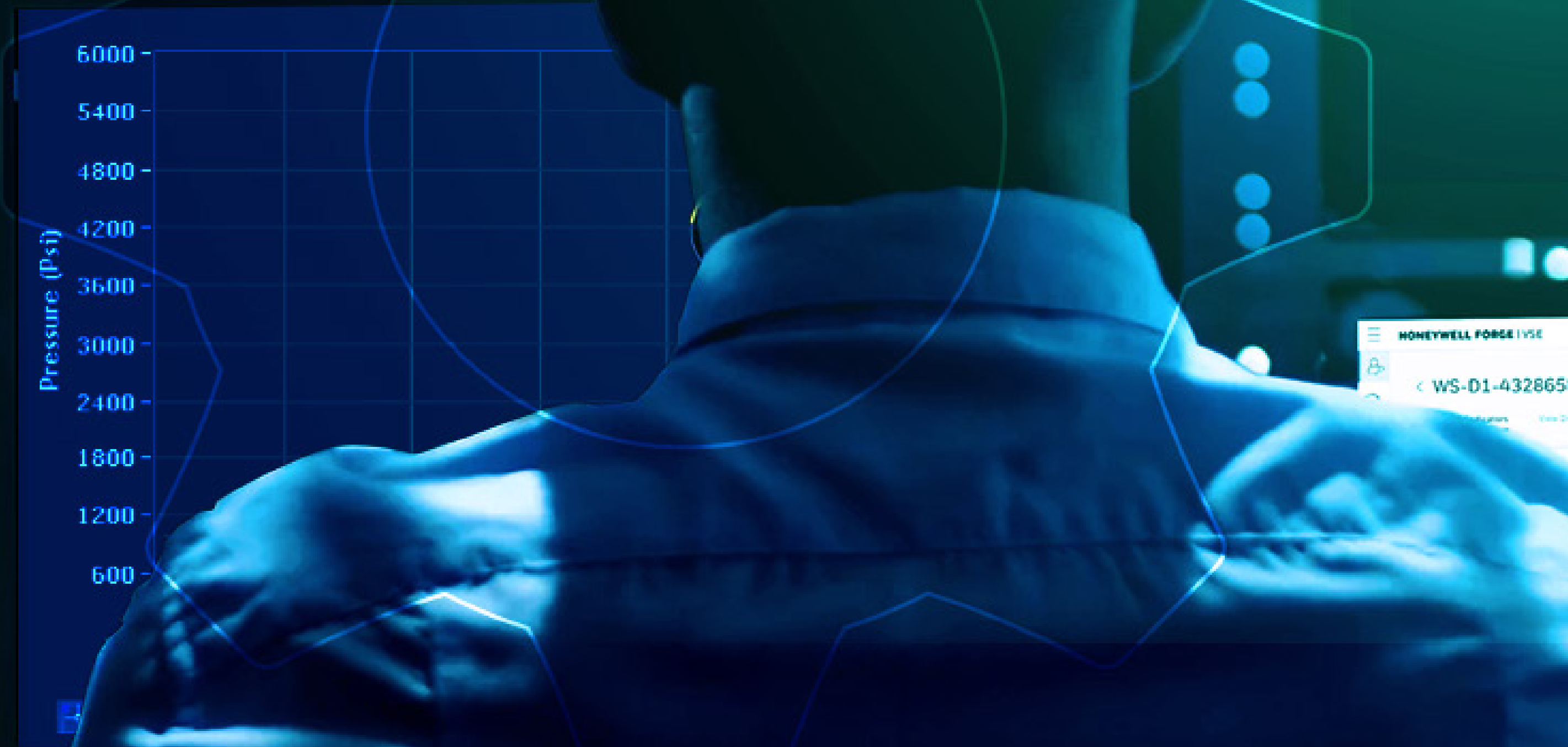
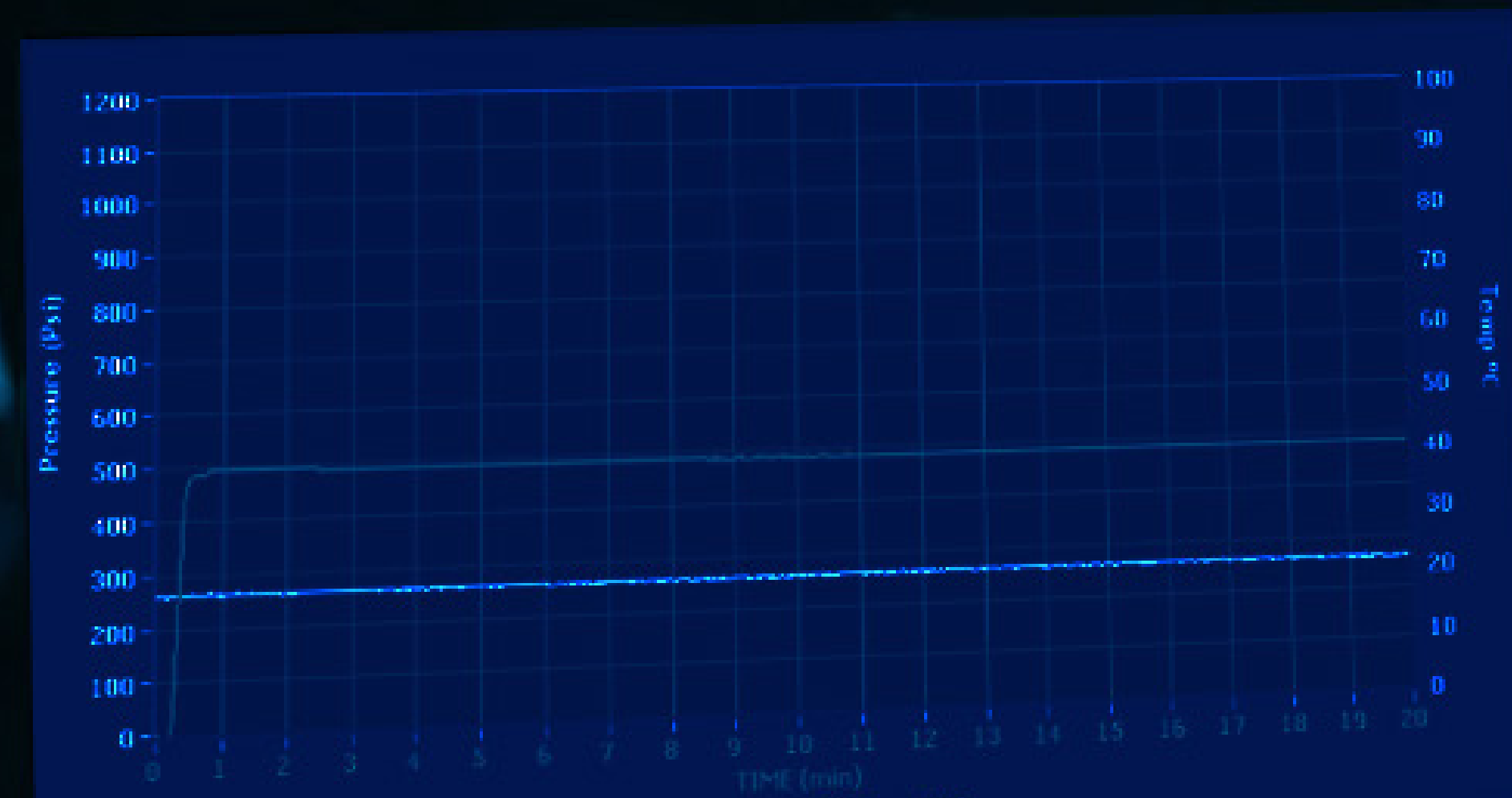




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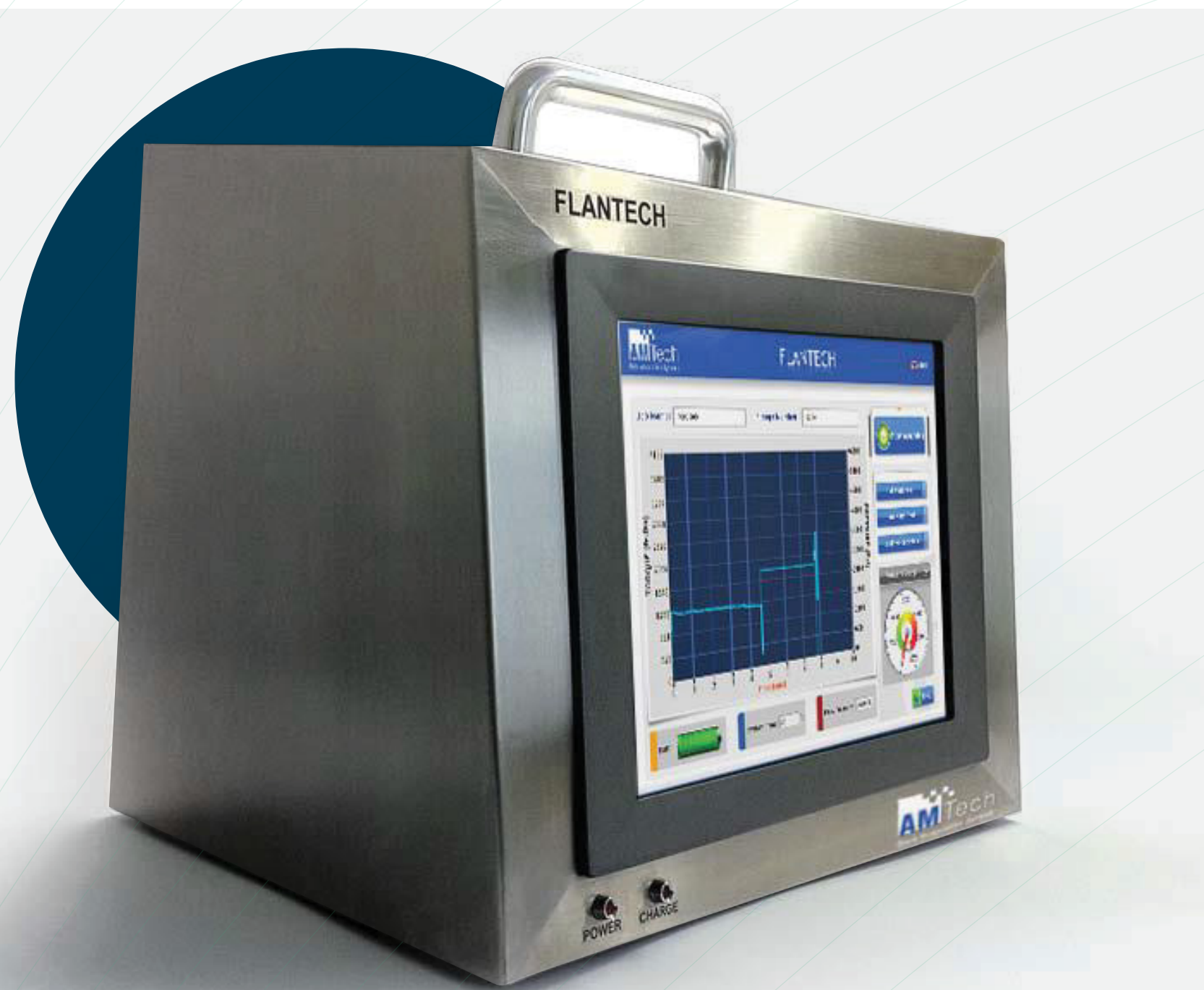


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System Overview

FLANTECH is a monitoring and data logging solution designed for bolt torqueing and hydro testing. It replaces traditional chart recorders by using software to read, record, analyze, and generate PDF reports of pressure, temperature, and torque data. It features a durable, battery-operated touch screen interface and provides real-time data visualization and reporting capabilities.



Real-time Monitoring and Recording

Tracks torque, pressure, temperature, time, and corrected pressure.

Result Recall

Access previous test results for each job. Data Analysis: Immediate data analysis, and report generation in PDF format.

User-friendly Interface

Easy-to-use software with real-time digital data display and graph plotting.

System Features

Scalability

Flexible to user or operator's needs The system is designed for harsh industrial environments, particularly in the oilfield, ensuring robust performance and ease of use.

Industrial Design

A harsh industrial environments, particularly in the oilfield, ensuring robust performance and ease of use.

Fail-safe Operation

Ensures no data loss.

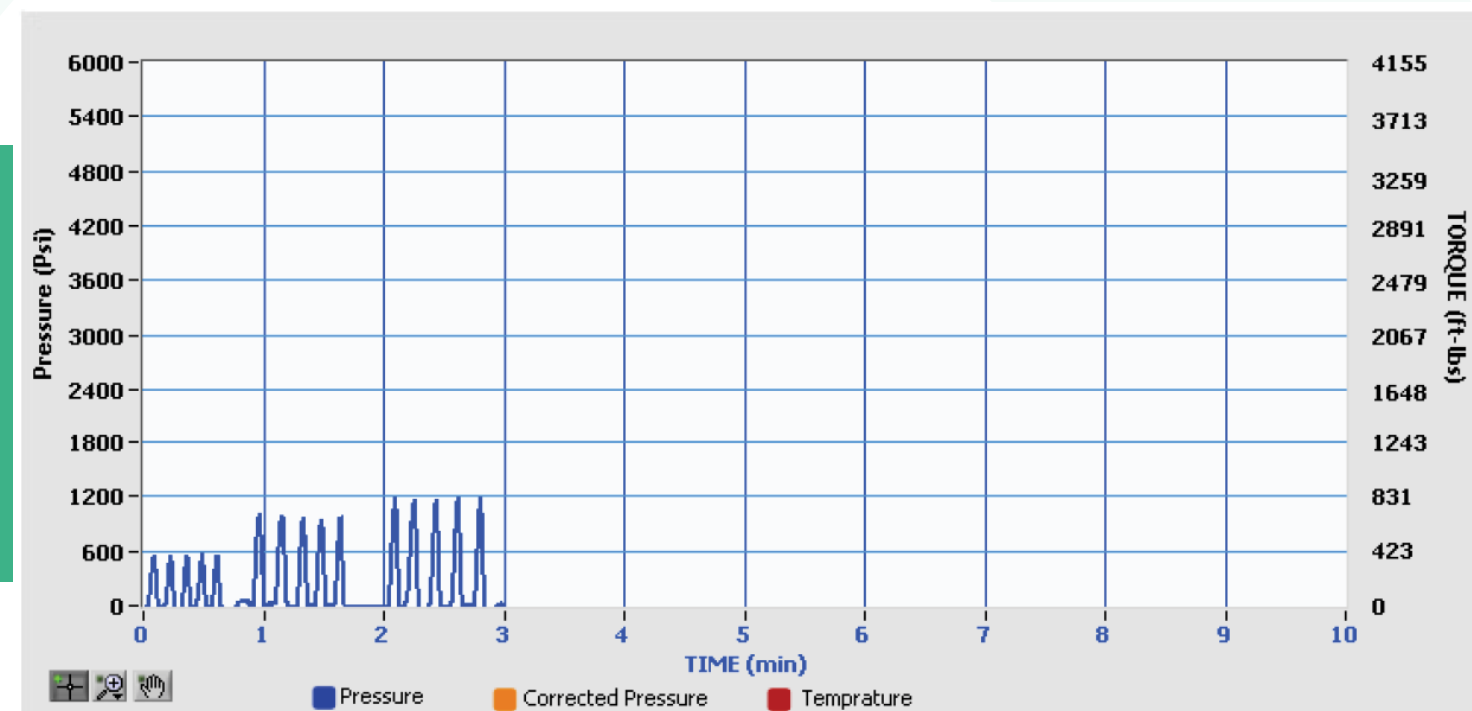
Support

24/7 full system support

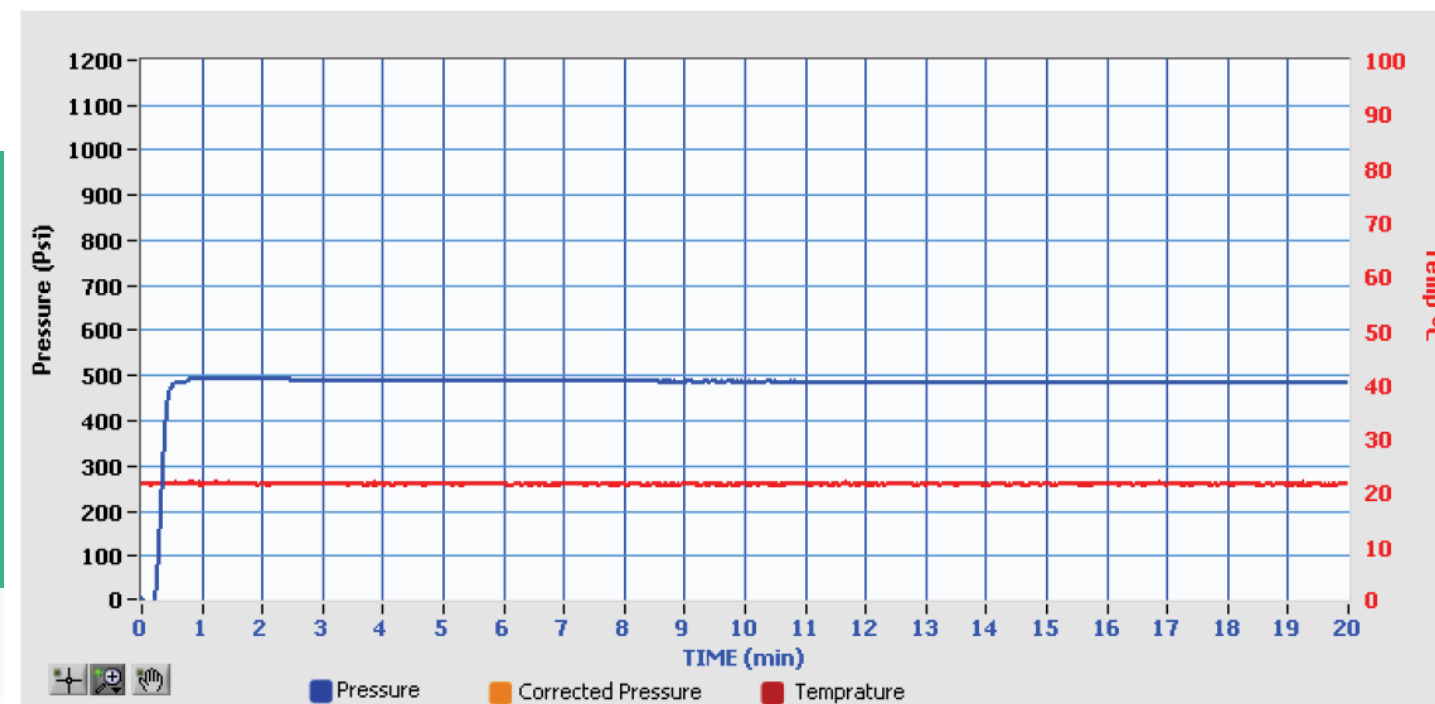
Specifications:

- ❖ **Operating Temperature:** -20 to 70 C
- ❖ **Touch Screen:** 12-inch industrial NEMA rated touch screen.
- ❖ **Enclosure:** Stainless steel, NEMA4/IP65-compliant.
- ❖ **Battery Life:** 30 hours, with optional extensions to 40 or 60 hours; complete charge in 3 hours.

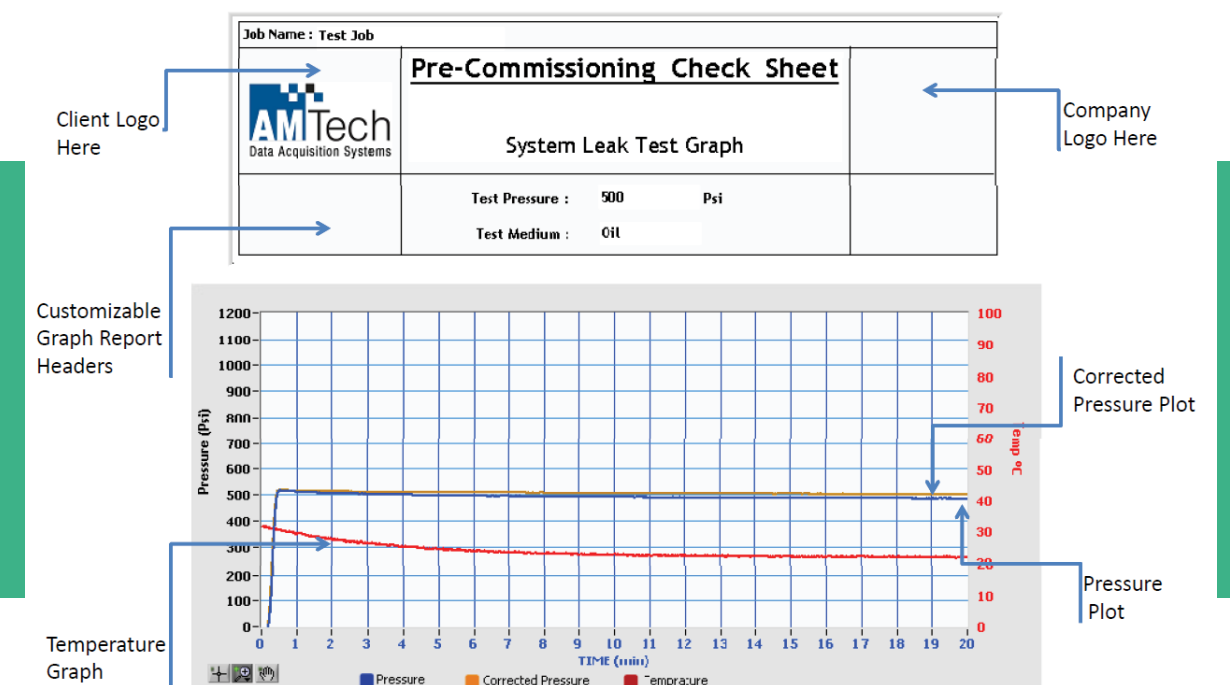
- ❖ **Hardware:** Data acquisition hardware from National Instruments; Intel Atom processor Z520PT 1.33 GHz with Hyper-Threading
- ❖ **Connectivity:** USB 2.0, optional 2x Gigabit Ethernet, 1x RS232, 1x RS422/RS485
- ❖ **Software:** Developed using National Instruments LabVIEW under MS Windows



Torqueing Graph Shows Pressure and Torque values used in flange bolt torqueing for 5 bolts



Hydro Test Graph Shows Pressure and Temperature Plots





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