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Case Study

MTU Detroit Diesel - Dyno Protection and Monitoring Instruments.

Instrowest was established in 2006 to provide quality instrument and electrical contracting services to the mining and mineral processing industries, with a strong focus upon safety. Instrowest can provide a comprehensive installation, maintenance, calibration, and repair service to all sites within Western Australia. Instrowest can also help in solving any instrument or control related problem that you may be facing.

At Instrowest we are committed to providing reliable, high quality sales and service while maintaining respect, integrity and trust to our clients and those within our organisation. We aim to provide this service by understanding our client's needs, wants and constraints while finding a solution that is fit for purpose.

At Instrowest we will always maintain an innovative approach that sets us apart from others; if a traditional method is not suitable or ineffective, we will endeavour to find an alternative or innovative approach to achieve our client's goals.

Instrowest was approached by MTU Detroit Diesel to assist them in designing and installing a system to monitor the process variables present in their Dynamometer. The system had to be capable of monitoring real time values, alarming at pre-determined levels and shutting the Dyno down if limits were exceeded, alarm logging was also requested. MTUDD was also mindful of costs, which ruled out the utilization of a PLC and display system.

Instrowest completed some research and presented MTUDD with a proposal. The proposed system was built around an eight channel Endress and Houser paperless chart recorder that had all the capabilities required, inbuilt within the one unit. The ability of the recorder to accept a variety of analogue inputs also ensured that costs were minimized.

Instrowest designed, supplied, installed and commissioned the system inside the estimated time and then provided the Dyno operators with training on how the system worked.



The Eight Channel Endress & Houser Paperless Chart Recorder

The MTU Detroit Diesel Applications Engineer was very pleased with the installation and has since been kind enough to write us a letter of appreciation, which can be found on our website.