



**Electroslag Weld (ESW) Monitoring System
Portable Data Acquisition**

VGO was retained to design and build a prototype Weld monitoring system for use in Electroslag welding. The system was required to display and record all the parameters necessary to operate and document a complex ESW application. Twelve channels were configured which included voltages, currents, flow rates and temperatures.

The entire system was built into a Pelican style shipping case for ease of use, water infiltration protection, and ruggedness.

Features included: touch screen control, operator lockouts, automatic data recording, encrypted data output, and many more.

