



## PLC Based Automation Systems

Current Power provides a complete solution for automated system controls. Our systems are designed, in-house, to fit customer needs with an emphasis on making the human interface as simple and intuitive as possible, while providing a precise and safe control platform. Our automation controls can work as a stand-alone system or can be integrated with other control/monitoring systems. We can provide complete custom engineered solutions for many different industries. Some examples of the systems we have developed are:

### Automated Drilling Control System meant for the drilling industry.

The automation system includes: Automatic Drilling Control System, Top Drive Torque Feed-forwarding, Drawworks Inertial Control System, brake torque test and brake burnishing mode, Crown and Floor Saver Zone Management, Power Management System, and many other features to control any facet of operating a drilling rig.



### Ventilation Shutdown System.

Automatic shut downs of ventilation system in the event of smoke detection, manual shutdown of specific zones on ESD activation, HMI based zone configuration, interface with ESD system and alarm monitoring.



### Integrated Vessel Control System for the marine industry.

This system includes: Power Management and Monitoring, tank level indication, vessel management, alarm monitoring/management/logging, integration to steering system and integration to the dynamic positioning system.



### Coiled Tubing Automatic Spooling System meant for the metal processing industry.

Fully automatic spool raise/lowering, automatic spooling, tension control, alarm monitoring.

