Machine Control Diagnostic Tool (MCDT)

A faster way to find and fix machine errors

Machine Control Diagnostic Tool (MCDT) is designed for rig electro-technicians and hydraulic engineers. It allows you to reduce the amount of time spent troubleshooting and searching for the cause of an error by establishing a communication link between your equipment and the corresponding drawings and part numbers.

With diagnostics that are compatible with drilling, pipe handling, and hoisting equipment, MCDT helps you to:

• Quickly identify affected components and locate the relevant engineering drawings
• Identify corresponding spare parts and part numbers
• Reduce the amount of time needed to calibrate and test equipment
• Troubleshoot equipment without interrupting normal operations by using the dedicated MCDT operator panel
**Machine Control Diagnostic Tool (MCDT)**

**Interactive P&ID**
Electric and hydraulic P&ID drawings with real-time data such as pressure, position, and valve status.

**I/O Viewer**
Enables the technician to view and monitor real-time input and output values.

**Trend Viewer**
Logger/trend viewer with predefined signals for selected functions.

**Diagnostic Wizard**
Assists the technician in identifying the root cause of an error.

**Remote with Calibration**
Optional feature for machine calibration and secondary platform for machine diagnostics without interfering with control stations.

**Component Viewer**
Optional viewer feature to highlight components on an interactive 3D equipment model.