Drilling instrumentation is critical to the drilling process, using the very latest remote I/O, PC and HMI technology RCP have developed a robust rig monitoring system. The system is designed to monitor and display highly accurate and read back information from a multitude of sensor inputs used in the drilling process, input parameters are calculated and displayed for many different applications including pressure, temperature, flow, level, smoke and gas and position monitoring.

User interfaces are easily configured to suit the client’s specific needs, our range of standard screen icons including digital and analogue gauges, gauge size type and colours can be changed for each application to give a clear and comprehensive overview of real-time drilling process status and trend information. Custom screens can be designed by our in-house software programming engineers if required. Data reporting is easily configured to match each user’s requirements and completed through a choice of standard options, reports can be downloaded, printed or automatically emailed to any number of required recipients.

All data can be archived for later use by installing a logging server package, the server can also be used to facilitate Well information transfer specification (WITS) where drilling parameters are transferred using a serial data exchange on a “Point to Point” basis using simple ASCII code.

The RMS system has been used to partially upgrade many existing but unsupported, monitoring systems where CAPEX / OPEX budgets may have been limited or where a rapid low cost solution has been required.
Alarms
System alarms are displayed here showing date and time stamp and identifying potential issues.

Data Logging
Minimum 2 years data logging of drilling parameters

Reports
View generated reports of alarms, events and trends that can be downloaded or printed.

Configuration
Easily configure the system and update sensor configurations.

Screens can be adapted to display system information used in the following applications:
Drilling / Tripping / Pumps & Pits / Bulk Storage / Mud Mixing / Anchor Winches / Engine Monitoring / HPHT / Well Control / BOP Functions