DECADES
OF INNOVATION & EXPERTISE IN ENGINEERING AT YOUR FINGERTIPS

PRODUCT INFORMATION SHEET

RCP-EDR

ELECTRONIC DRILLING RECORDER

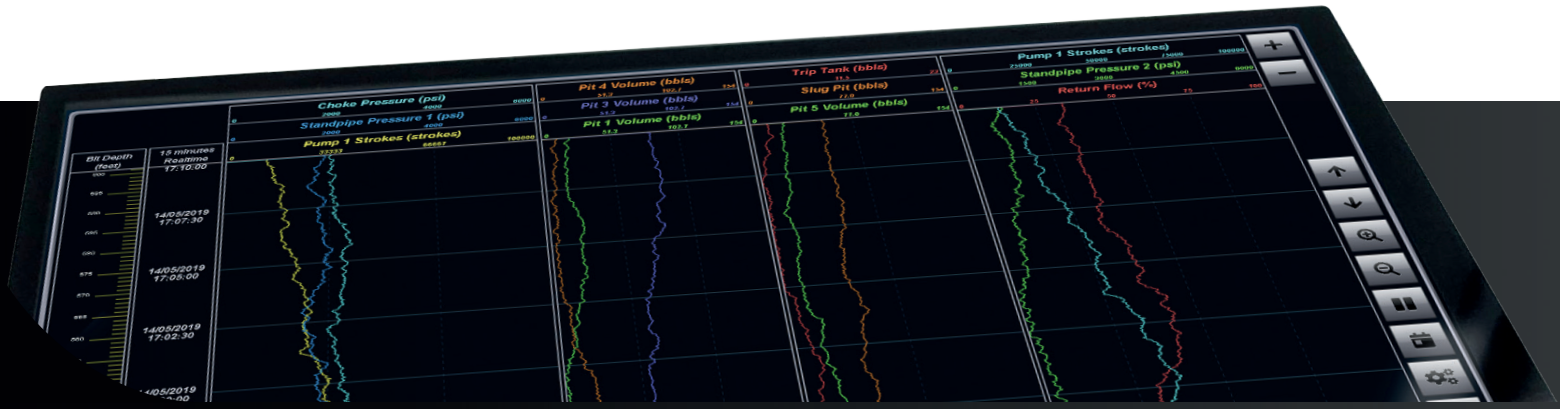
RCP INSTRUMENTATION & CONTROL SYSTEMS

The new RMS is designed to give operators a clear, unambiguous overview of critical drilling and mud data processes. The system has been developed by RCP to greatly improve how information is presented using the latest industrial technologies and user-friendly interfaces.

The RCP EDR offers a quick and cost-effective solution for clients considering a new installation or a partial upgrade to their existing drilling instrumentation systems. Our highly experienced engineers and software developers allows us to tailor each new system to meet your exact needs meaning that you do not pay for functionality you will never use.

The RCP EDR utilizes a variety of sensing technologies to monitor the drilling processes, (typically: Level, Pressure, Height, Temperature and Flow). Sensor output signals are received by the distributed I/O racks and are then processed by the EDR.

Processed information is then transmitted through network communication modules to each of the user interfaces including remotely networked PC's and local HMI's. System and operator interface communications may utilize either: Fibre-Optic, Profinet, Profibus or Industrial Ethernet connection.



DECADES

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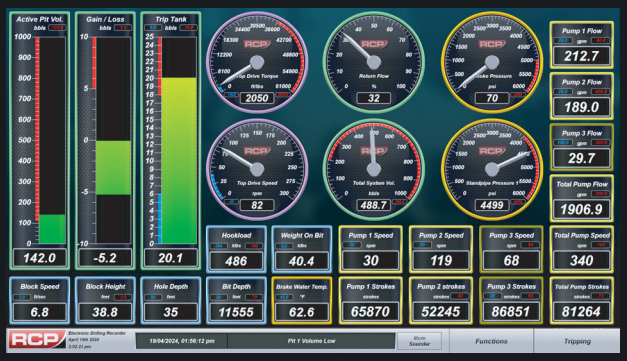
Highly configurable screen options
and clear mapping of critical information
including trends, alarms and reports



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Systems can also provide screens for HPHT, Choke Manifold monitoring and CCTV integration.

Maintenance & diagnostics stations are provided along with data logging, remote access, and real time data streaming services.

STANDARD SCREEN DISPLAYS OPTIONS:

- Tank / Pit Levels
- Fluid Gain Loss
- Pump Strokes / Strokes Per Minute
- Return Mud Flow / Temperature
- Top Drive Torque / RPM
- Hook Load
- Block Position / ROP / Bit Depth
- Choke / Kill/ Standpipe / Cement pressures
- Trend screens

FEATURES

- HMI Displays configured as per client's requirements
- Additional screens can be added, existing screens easily modified
- Range of reporting options
- Remote web client

OPTIONS

- Zone 1 or 2 Hazardous area installation
- Safe area systems also available
- Sensor packages — (Tailored to suit)
- 3rd party system integration

COMMUNICATIONS PROTOCOLS

- OPC-Unified Architecture - (OPC-UA)
- CAN bus
- Modbus TCP/RTU
- Profibus / Profinet / Serial / MQTT
- Wellsite Information Transfer Specification (WITS)

PURCHASE OPTIONS

- Purchase the RCP EDR System outright
- Lease options now available

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