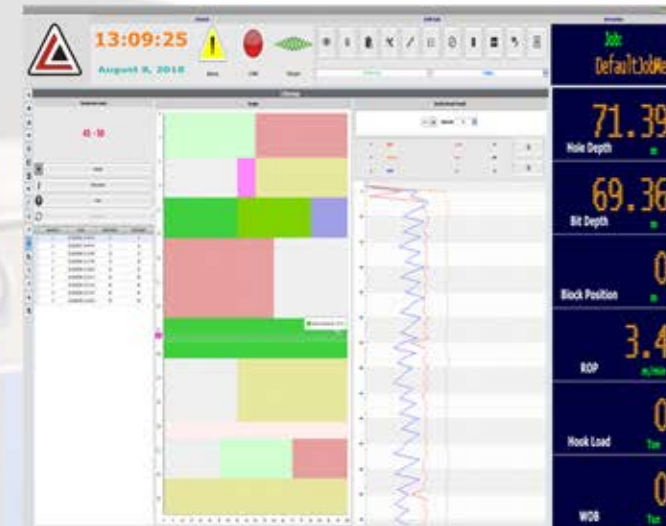


Electronic Drilling Recorder (EDR)



CONFIGURABLE

- Expandable channels to meet rig requirements
- Calculated data for major drilling parameters
- Customizable alarms & multiple data formats / protocols

EASY TO USE

- Color coded cables to match channels
- Integrated power + data cables
- Automatic tour sheet & daily report generation

COMPETITIVELY PRICED

- Price starting at \$5,900/ch (not including sensors)
- Wide selection of compatible sensors

Laversab Electronic Driller Recorder (EDR)

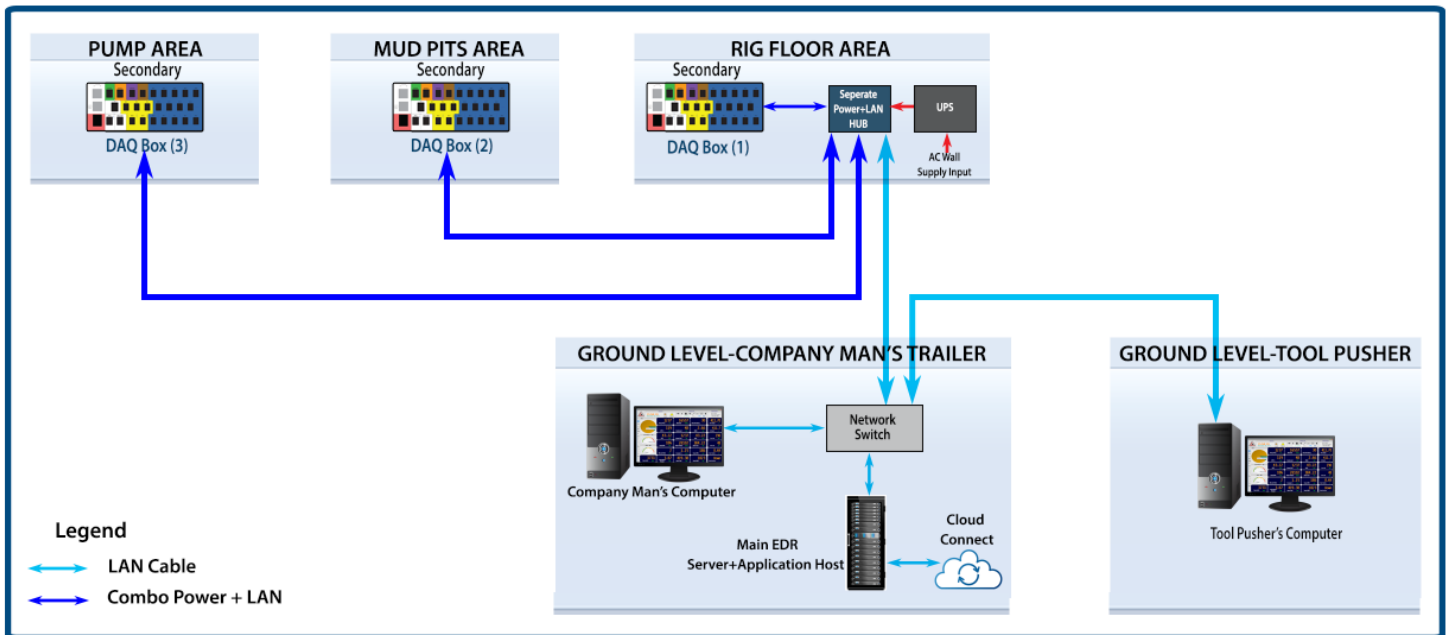
SOFTWARE CAPABILITIES

Data recording	Real-time
Remote viewing	Available for viewing and analysis
Data presentation	Time- and depth-based graphs, reports, and comments with directional data
Reporting	Tour sheet & daily reports
Calculated data	drilling operation, hydraulic, kick & kill, custom formulas
Modules	Pressure test, Lithology, Video Surveillance
Alarms	Multiple configurable
WITS0 I/O	Serial or TCP/IP
WITSML data exchange	Version 1.3.1 and 1.4.1
Language support	English & Spanish
Units	International & Imperial
Chat	Local network chat available
Exported data formats	Ascii, Excel, LAS 2.0, LAS 3.0, WITSML 1.3
Protocols supported	Modbus TCP/IP & OPC real-time exchange

HARDWARE CAPABILITIES

Channels			
Type	#	Details	Safety
Analog	14	10x 4-20mA 4x 4-20mA / 0-10V	Ex ib
Digital	4	NAMUR	Ex ia
Pumps Combo	3	NAMUR	Ex ia
Encoder	2	BEI/Dynapar/Hohner	Ex ia, Class 1 Div 1
WITS I/O	2	RS232 & RS422/485	Class 1 Div 2
Siren	1	24V power & control	Class 1 Div 2

Cables	Hard usage cables available for all channels at various lengths
	Over-molded, color coded, and plug-to-plug for ease of use
	Water/UV/Chemical/Crush resistant
System	Modular and scalable for high channel rigs
	Simple & reliable power scheme for multiple data acquisition systems
	Dimensions: 20"x16"x8"



www.laversab.com
sales@laversab.com

Houston, TX
Phone: (281) 325-8300
Calgary, AB
Phone: (403) 606-5765