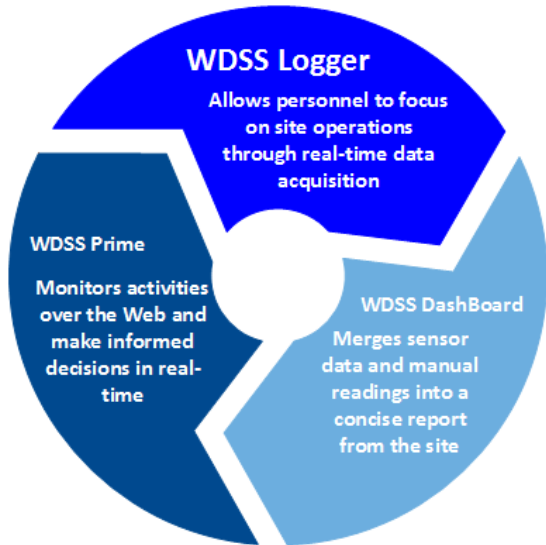# WDSS Logger

WDSS Logger is a real-time data acquisition system that can connect to any surface or sub-surface instrumentation that uses standard Modbus Protocol.

WDSS Logger
Allows personnel to focus on site operations through real-time data acquisition

WDSS Prime
Monitors activities over the Web and make informed decisions in real-time

WDSS DashBoard
Merges sensor data and manual readings into a concise report from the site

• Be in the driver's seat and get the full picture of your data when you want – not just at a shift change or when the job is completed.

• Gain agility in executing time critical business decisions by accessing real-time information available within our commercial strength backend database.

• WDS Solutions suite can replace existing systems and stand on its own or seamlessly integrate into nearly any existing acquisition system.

WDSS Logger supports the following Modbus protocols:

- Serial/USB RS-485 and RS-232
- TCP/IP
- Serial RTU over TCP/IP which is a hybrid that uses the Modbus serial protocol transmitted over a TCP/IP connection rather than a serial connection.

WDSS Logger includes:

- The ability to connect to multiple RTU's sequentially or concurrently.
- Handling of non-reading values such as -9999.
- A large variety of sensor types and unit types i.e. Pressure (psi, mPa,…), Mass Rate (lb/hr, kg/day,…)
- Different physical register configurations i.e. Float, Reverse Float, Integer, …
- Reading registers using function code 3 (register series 40000) or 4 (register series 30000).
- Thresholds can be set — when a reading drops below a specified value, then a minimum value will be applied. This is ideal for use with gauge pressure sensors.
- Adjusting the readings to account for variations in the sensor.
- Hi and low alarms for both warning and danger conditions.
- Create and test multiple configurations before acquiring data.
- Create a template from a working configuration to use in other jobs.
- All readings are saved to a database for use with our monitoring software.