

Octopus Collector

Octopus Collector ingests, corrects, converts and reliably delivers a wide variety of rig-site data. It can collect WITS, CSV, MQTT, JSON streams via Serial or TCP, improve data quality with depth jump and offset correction and provides secure data delivery over unreliable networks. Octopus Collector synchronizes to multiple WITSML 1.3.1.1, 1.4.1.1 stores, either on-premises or in the cloud.

Features:

Multiple formats

- WITS – Level 0 with custom mappings for all standard and any custom records
- CSV, handling multiple separator types (comma, space, tab etc.)
- MQTT-JSON
- Other formats can be integrated on request

TCP (network) and COM Port (Serial) connections

- Allows collection from multiple inputs at the same time

Outputs to either WITSML 1.3.1 or WITSML 1.4.1.1 with Customizable mapping

- Can re-output any collected data back out at the Rig site in WITSO

Data quality checks and corrections

- Prevents depth jumps for bad depth-based data
- Units conversions
- Offset calculation for downhole tools

Reliable data delivery, handling unstable, congested or bandwidth limited links

- Outage recovery to ensure all data is transmitted correctly after datalink is restored

Users are in control of the sync process

- Specify which servers for delivery
- WITSML compression
- Offset synchronization for object with lags in the update
- Sync interval update
- Range Re-Sync and Re-Sync to restore information
- Outputs either WITSML 1.3.1.1 and 1.4.1.1
- Live transfer monitoring and control.

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