

WHAT'S NEW IN CYGNET ENTERPRISE OPERATIONS PLATFORM 7.2

Release Date: July 2009

C Y G N E T

Release 7.2 is a major upgrade of the CygNet Enterprise Operations Platform (EOP). It is the first software solution in the Oil & Gas Industry to combine SCADA with GIS (geographic information system) information. CygNet EOP 7.2 eliminates costly data replication and improves overall operations performance for accessing and storing massive amounts of data. The following are key features introduced in the 7.2 release:

GIS for Asset Management

CygNet EOP 7.2 integrates the ESRI ArcGIS toolset – widely considered best of breed in the industry. Now CygNet's operational SCADA module uniquely combines geographic information system information with asset management. Both systems maintain their individual system of record status, thus avoiding costly data replication processes. GIS mapping is layered on facilities and equipment monitoring and threshold alarms to optimize each asset and improve profitability.

Enhanced Historical Data Management & Visualization

Historical database recovery capabilities have been enhanced to enable immediate access to near-term operational data while simultaneously allowing the import of long term data to continue in the background.

Charting & Trending Tools

Historical data can be analyzed and correlated using both enhanced and new functionality that provides seamless access as well as integration with third party applications and tools.

Field Data Transmission

Gas Measurement Repository now features an embedded database, enhanced replication, and maintenance improvements. These eliminate network connectivity issues and make Electronic Flow Measurement data collection and distribution more reliable and efficient. All users receive timely access to the most relevant, up-to-date field data... automatically.

Nomination Monitor

This is a new application used to display volume and flow against the nomination over the course of a day. From this data, the application computes the predicted daily volume and rates required to meet the nomination.

Line Pack

This new application calculates the derived volume of gas in a pipe segment on a near real time basis. This allows pipeline assets to be optimized for improved operational profitability and safety.

EIE Enhancements

Updates and enhancements to CygNet EOP 7.2's current inventory of Equipment Interface Engines, to ensure the most current market support.

Core Services

Enhancements to features such as service file backups, metadata tagging, improved scripting, logging controls, and line failover.

WHAT'S NEW IN CYGNET ENTERPRISE OPERATIONS PLATFORM 7.2 SR1

Release Date: January 2010

C Y G N E T

Release 7.2 SR1 is a significant update to the CygNet Enterprise Operations Platform (EOP). It represents CygNet's continued commitment to issuing timely product releases that address areas of customer feedback. This release introduces new features that enable effective data distribution throughout the enterprise as well as enhancements to existing product features. These features and enhancements are listed below:

Enterprise Integration Suite (EIS)

Newly introduced in this release, EIS facilitates data distribution throughout the enterprise using various industry standard interfaces including XML, OPC, ODBC and COM. These interfaces ensure the timely exchange of data between CygNet EOP, third-party applications and other business systems. EIS eases data flows across the enterprise to help present a more comprehensive view of the business and enable better decision making.

- **Enterprise Objects** – Provide enterprise-friendly access to data through an XML-based schema and API delivered via web services, Java Messaging Service (JMS) and the local file system.
- **CygNet OPC Historical Data Server** – Provides access to historical data in CygNet EOP via OPC for use throughout the enterprise.
- **API Enhancements** – Supports popular scripting interfaces to increase data access and functionality available via script.

Gas Contract Monitor

This new gas transmission flow monitoring application enables customers to manage "gas day" plans against nominations and load forecast. Its calculation engine provides rate to-go, daily projection, rate delta, accumulation delta, average hourly accumulation, estimated hourly accumulation and other real-time measures that update automatically. Calculation values can be easily trended or stored in the historian.

MS Clustering

CygNet EOP now supports Microsoft Clustering for failover and high availability.

Collection Engine Enhancements

In addition to enhancements to our currently supported devices, this release adds support for the Ferguson Beauregard AP version 5, including flow calculations by CygNet Hosts.

Core Services

This release includes numerous modifications that enrich the existing functionality of the product, such as the BSS Librarian feature which allows locking CygNet Studio user interface screen files to prevent concurrent editing.