

CYGNET® FOR PIPELINE

The Industry's First Standardized Vertical Solution
Designed Exclusively for Pipeline Operators

C Y G N E T

a Weatherford Company

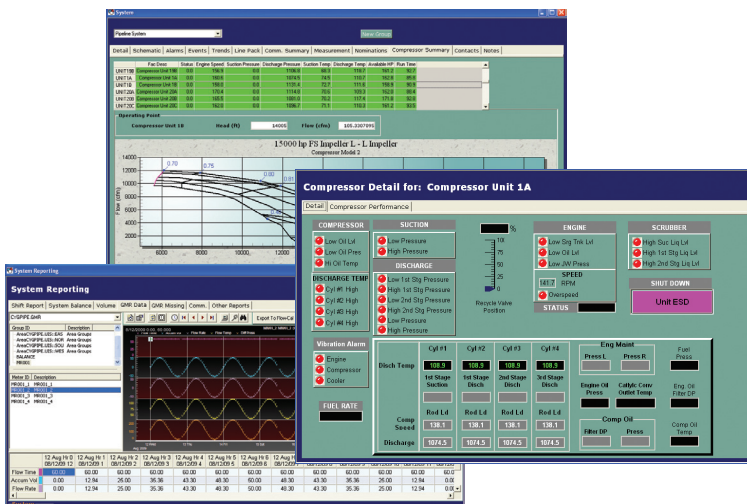
As a pipeline operator you invest in activities and infrastructure that differentiate your company in the competitive landscape in which you operate. Enhancing operational efficiency and market responsiveness are two key areas of focus, along with safety and strategic investments in infrastructure.

Unfortunately, many of today's SCADA systems have not evolved with the market. All too often, the installation process required by custom solutions is stymied by either a heavy upfront software configuration process or exorbitant project services fees. Totally replacing SCADA system infrastructure every five to seven years only compounds this problem—adding millions in implementation cost, introducing risk, and delaying time to value. Users suffer a 'big bang' cutover process followed by months or years of adoption curve. Once up and running, many pipeline operators discover that their SCADA system is overly rigid, inflexible to change, and unable to match market or technological progress. Many find themselves too dependent on their vendor to do anything about it.

Speeding SCADA Implementation with a Preconfigured Package

CygNet for Pipeline is a vertical solution designed exclusively for pipeline operators featuring standardized gas operations functionality that speeds successful implementation. CygNet for Pipeline enhances operational efficiency by reducing system replacement time as well as providing a proven, tested set of functionality specific to the gas pipeline industry. Built on the core foundation of CygNet Enterprise Operations Platform (EOP), CygNet for Pipeline pre-configures all the elements required by pipeline operators—from sector-specific gas pipeline applications and user-screen templates, to field device connectors and a proven implementation methodology. All customers need to do is add their data. The result is the pipeline sector's most advanced and efficient vertical solution for collecting, managing and distributing operational data.

CygNet for Pipeline was developed based on CygNet Software's years of experience documenting common operations practices and reporting requirements among our pipeline customers. This vertical solution codifies this product and sector experience while simultaneously eliminating the gamble associated with supposedly "turnkey" SCADA alternatives.



Benefits of CygNet for Pipeline

- Delivers full Gas Operations functionality out of the box
- Preconfigured, tested to speed successful implementation
- Focuses configuration to benefit user adoption/satisfaction
- Faster return on investment on enterprise operations projects
- Lowers total cost of ownership and risk of business disruption

The standard screens delivered with CygNet for Pipeline include summary and detailed measurement information on asset performance.

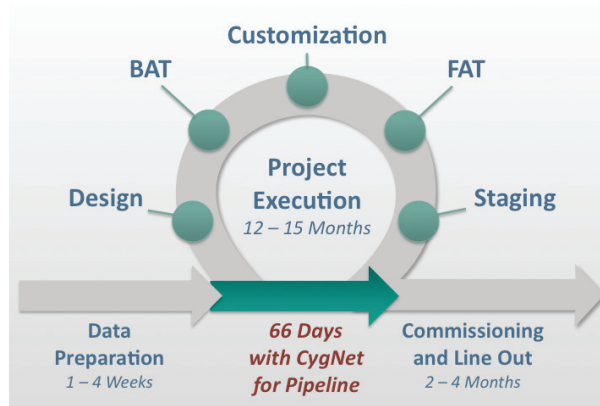
A Gas Operations Platform in Days–Not Months

This application accurately monitors gas transmission flow against nominations to produce a highly accurate picture of a customer's "gas day" target plan. Real-time measurements update automatically, displaying predicted send-out rates, scheduled gas quantities and load forecasted quantities against actual. The application can be configured to monitor by volume or energy, with all output displayed in a nomination grid control featuring hierarchal navigation.

Metrics calculated and reported include rate-to-go, daily projection and accumulated, rate and accumulated deltas, estimated/average hourly accumulations, and nomination met time. *CygNet* GCM ensures delivery requirements are consistently met, reducing penalties, and makes it possible to identify market opportunities to manage risk when yield is less than planned.

CygNet for Pipeline is a fully operational SCADA system—based on the latest technology, capable of supporting thousands of users, scalable to tens of thousands of devices, and able to process more than a billion transactions per day. It turns volumes of data into usable business information while collapsing deployment time, saving millions of dollars in implementation costs, reducing IT project risk, and delivering the industry's fastest time to value.

This standardized solution provides the flexibility to change as your business changes, without the need for years of third-party programmers or consultants. The foundation of *CygNet* EOP always remains current and secure, with new features and functionality added in regular upgrades that can be completed in minutes.



The Vertical Solution for Years of Risk Reduction

Take your project implementation from a 'daunting task' to a controlled process. Pipeline companies have been able to achieve greater operational efficiency by standardizing processes and effectively managing contextually relevant real-time information across the enterprise. We've been protecting our customers' investments for more than a decade. *CygNet* for Pipeline may just be the last SCADA system you will ever need.

CygNet® for Pipeline includes:

System Architecture

- High Availability: Local and Disaster Recovery
- Web Access
- Models: Common Data, Common Device, Calculated Points
- Fully-integrated Security

CygNet EOP Core Operational Services

- 12 Cross-functional Services

Gas Applications Suite

- Gas Measurement Repository
- LinePack
- Gas Contract Monitor

Administrative Features

- Monitoring, Recovery, Reporting, Workflow, Diagnostics, etc.

Navigation System and Screens

- Levels for System, Area, Span, Station, Meter
- Control Pop-ups (Valve, Choke, PID, ESD)
- Filtered Point Lists
- Standardized and User-defined Screens

Pre-configured Interfaces

- Flow-Cal (bi-directional, CFX), PGAS, Text-Based (Nominations Input, generic volumetrics)

Training & Documentation

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