



PRODUCTION OPTIMIZATION

CygNet[®] SCADA PLATFORM

Gather, manage, and
enable analysis of real-time
operational data



Weatherford[®]



GET THE **BIG** PICTURE

Boost productivity and efficiency
with the power of real-time, enterprise-wide data.

Your oil and gas operations generate vast amounts of data. Converting it into useful information that benefits your bottom line requires a robust and scalable means of gathering, managing, and distributing data throughout the enterprise.

As the industry leader in supervisory control and data acquisition (SCADA), Weatherford gives you a comprehensive view of your operations. Our CygNet SCADA platform collects diverse data in real time from a variety of sources—including downhole sensors, electronic flow measurement (EFM) devices, wellheads, surface facilities, plants, and pipelines—and instantaneously disseminates it to those who need it.

The CygNet platform enables users across every business function—from production, to pipeline, to regulatory managers—to analyze and prioritize the data they need for daily operations. This out-of-the-box functionality combined with automated workflows enhances strategic decision-making and optimizes field and pipeline productivity across your enterprise.

Proven system uptime of **>99%**

100 installations world wide

Access for **THOUSANDS** of users

Scalability to **MILLIONS** of tags and
TENS OF THOUSANDS of devices

>1 BILLION transactions processed per day

Robust storage of **DECADES** and
TERABYTES of critical operational data

SCADA IN THE CLOUD

Harness the productive power of our
CygNet SCADA platform CAPEX-free.

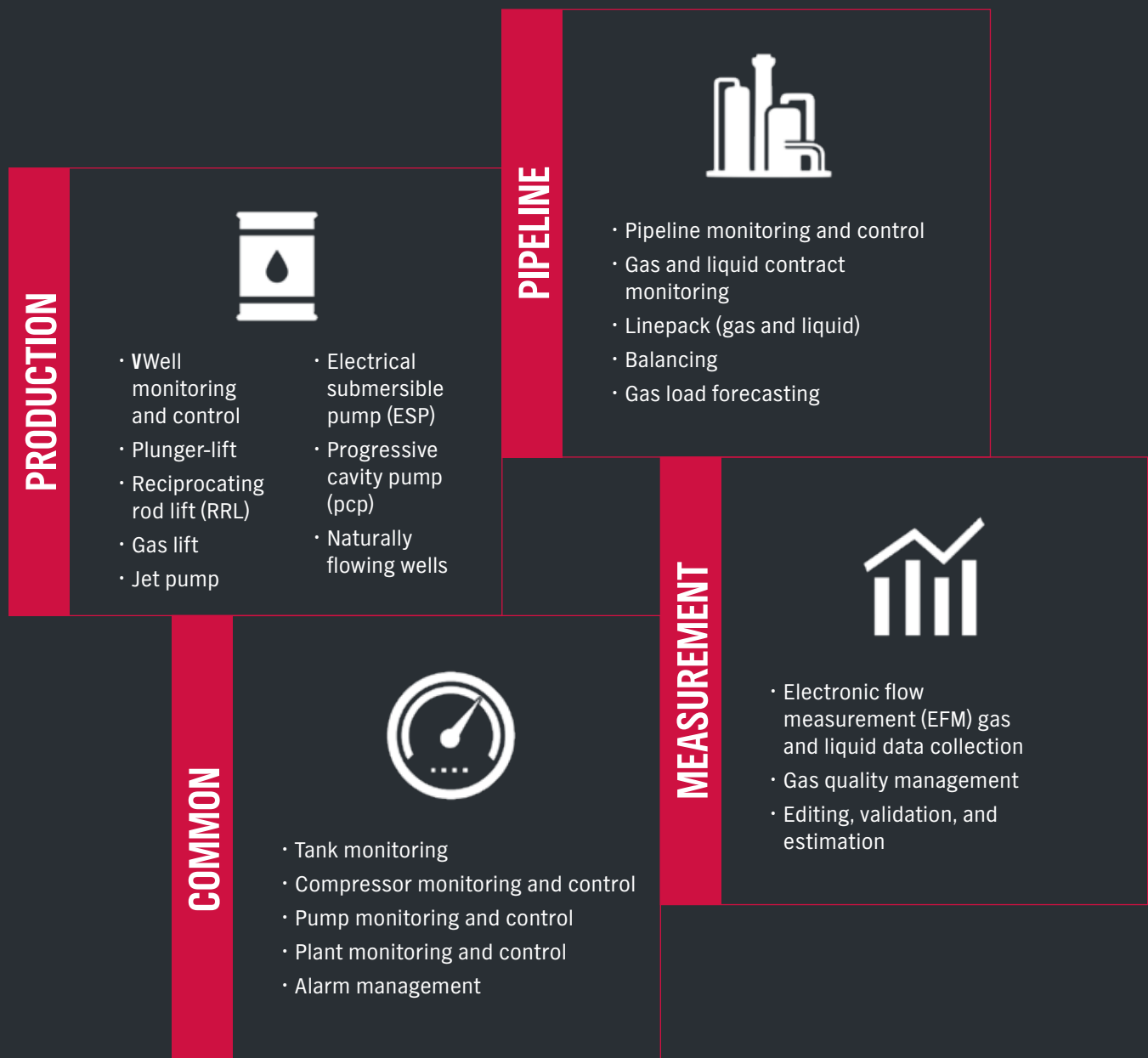


Operational realities can restrict the time and resources needed to install and support an onsite solution. Installed in a matter of hours and reliably hosted with Google Cloud, our CygNet SCADA platform on the cloud accelerates your transition to field-wide intelligence. Our solution effectively places a virtual network of IT professionals and computing power right at your fingertips.

For more detail on this industry-first solution, please contact your Weatherford software specialist.

Upstream to Midstream

Unify all data silos into a single, real-time information ecosystem.





Stay Informed, In Control, and On Target

The CygNet SCADA platform collects, manages, and distributes the entire information stream of an oil and gas operation. By unifying silos of field, production, pipeline, and business data, the **CygNet platform helps you to meet key performance indicators, reduce production costs, increase output, improve meantime between failures (MTBF), enhance efficiency, and become more responsive to market changes.**

Improve Overall Field Productivity

For field installations, the CygNet SCADA platform adheres to industry requirements for operations, practices, and reporting. Detailed production data can be configured to alert operators to underperforming assets and accelerate response times.

Safely Deliver to Plan

For pipeline operators, the CygNet platform supports secure monitoring and control for pipeline assets. It monitors real-time gas transmission flow to produce an accurate plan-versus-actual caption of daily operations, which enables rapid changes in operating and business conditions.

The platform can be configured to monitor by volume or energy, with all output displayed in a nomination grid control featuring hierarchical navigation. Real-time measurements update automatically and display predicted send-out rates, scheduled gas quantities, and forecast-versus-actual load quantities. Reports include daily projections, rate-to-go, estimated/average hourly accumulations, nomination met time, and more.

Efficiently Gather and Validate Measurement Data

The CygNet platform offers seamless and timely process-measurement data in multiple market segments. This high-performance system provides accurate and actionable data throughout the entire enterprise by accelerating repetitive validation and publishing processes.



Quick Implementation

Designed specifically for the oil and gas industry, the CygNet SCADA platform delivers standard workflows and functionality out of the box. As the industry's first standardized SCADA solution, the CygNet platform is pre-tested to ensure a quick launch that accelerates deployment time, saves millions of dollars in implementation costs, and reduces IT project risks.

Easy Adoption

The intuitive CygNet platform requires no lengthy training and is readily customized to each business. This user-friendliness minimizes your need to rely on consultants and technical support, reduces disruption risks to your business, and frees you to focus on operations.

Unlimited Scalability

A single CygNet system can provide access for thousands of users. The platform efficiently gathers data for millions of tags from tens of thousands of field devices while processing more than 1 billion transactions per day and storing years and terabytes of critical data. This capability ensures that critical information is always at hand for all personnel disciplines from engineering to production, finance, and marketing.

The CygNet[®] ADVANTAGE

Seamless Integration

Weatherford is the only service company with end-to-end production solutions, including all forms of artificial lift, well-monitoring technologies, and production-optimization software. The CygNet platform serves as the backbone for our ForeSite® production-optimization platform, which integrates advanced well-management tools and analytics capabilities to maximize performance across your assets. Combined, these two platforms can offer a fully automated optimization solution that anticipates and suggests solutions to production issues.

Data Collection and Throughput

Imported from a variety of sources, the CygNet platform collects data at sub-second speeds and supports industry-standard device and IIoT (Industrial Internet of Things) protocols. The platform consolidates and manages your data to provide a complete and real-time operational view that improves efficiency and ensures regulatory compliance.

Automated, Business-Centric Workflows

Our automated workflows transfer your people's focus from common, day-to-day issues to more profitable activities. Based on industry best practices, our workflows optimize and empower related downstream processes in real time, including supply/demand balancing, gas balance/billing, and capacity planning.





GET THE BIG PICTURE

The CygNet SCADA platform collects, manages, and distributes critical data across your enterprise to support strategic decision-making and optimized operations. To learn more about how the CygNet platform can support your production needs, please visit weatherford.com.

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