

PRODUCTION

CygNet[®] on Demand

HOSTED AND MANAGED
SCADA SOLUTION



For operators large and small, market volatility makes it imperative to align the level of spending with the amount of production (or revenue) to deliver the right production at the right cost for profitability. Too often production optimization initiatives are focused on the well assets with the highest possible risk/reward profile, while more mature conventional or declining assets go unmonitored.

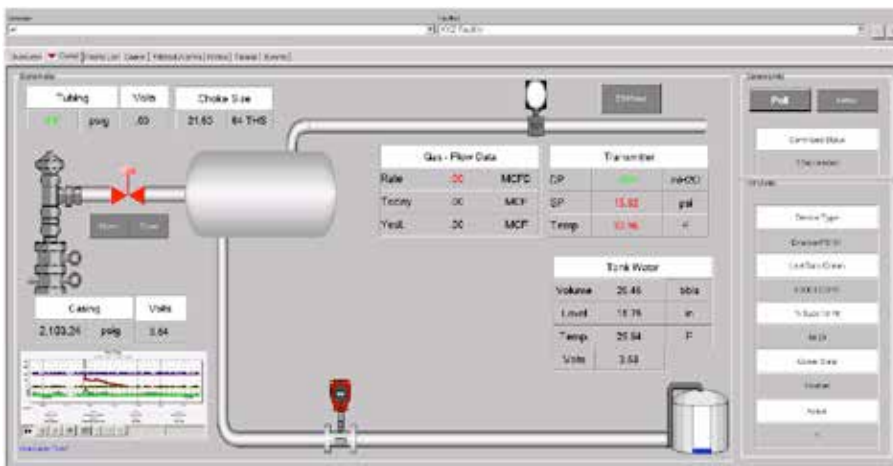
Along with the broadest and most accessible portfolio of solutions for both operations and optimization, Weatherford offers an on-demand software delivery model that enables operators to justify the cost of monitoring production from every asset—regardless of its maturity or production volume. CygNet® on Demand is a centrally managed, hosted SCADA solution that does not require a lengthy software installation or in-house expertise; its deployment is almost immediate. By using CygNet on Demand, larger producers can justify measuring output of the final 15 to 20 percent of their asset portfolio, while smaller producers can now afford enterprise-class operational data management for production optimization and regulatory reporting.

Affordable, turnkey software-as-a-service solution

The hosted software solution is coupled with unrivaled global production optimization expertise and is fully compatible with both Weatherford and third-party field controllers. CygNet on Demand is based on proven, secure, standards-based software—the CygNet Enterprise Operations Platform (EOP). CygNet on Demand collects, manages, and distributes the complete information stream from both operational devices (SCADA) and electronic flow measurement (EFM) devices generated by a typical oil and gas operation.

When combined with our on demand implementation process, CygNet on Demand delivers a turnkey solution that

is easy to initiate and justify. No additional operations staff, software maintenance, or upgrades are required; it's all provided as part of the managed service. Weatherford handles the configuration of all software and supports you in the configuration of hardware and communications infrastructure. Our rapid deployment method will have your SCADA system up and running in our secure environment within days—not months—so you can focus on operations and optimization, not implementation.



Operational wellsite detail

6 Steps to Easy Deployment

1. Customer information form completion and submission
2. Remote field device, communications installed and configured (not required if using existing infrastructure)
3. Hosting implementation setup/configuration
4. CygNet on Demand site configuration
5. System testing
6. Customer training

Benefits of on Demand Optimization

CygNet on Demand delivers the same benefits as a licensed implementation of CygNet Enterprise Operations Platform (EOP), plus all benefits of fully hosted software.

Decreased time-to-value

Our hosted software delivery model results in the quickest time-to-value. At Weatherford, we continually test and improve our software, and we handle all upgrades so that hosted customers are always using the latest version.

Reduced risk of adoption

Clients are free to focus on operational profitability and leave the software maintenance to the experts. Clients can assess new market opportunities and make competitive decisions based on a more accurate cost basis across the entire asset portfolio.

Lower total cost of ownership

CygNet on Demand is low cost to deploy and no cost to maintain: One monthly fee covers it all. Incremental improvements and enhancements to the technology platform keep our industry solutions flexible and adaptable; therefore there is no impact on capital cost.



Production tank farm

Key Features of CygNet on Demand

Operational

- Well monitoring
- Plunger-lift monitoring (generic)
- Gas measurement
- Tank monitoring
- Compressor monitoring
- Operational notes
- Watchlist
- Point-in-time playback
- Trending
 - Ad hoc trending
 - Predefined trends
- Alarming
- Notifications (email)

Report Types

- Well status
- Daily volume report
- Tank report
- System variance report
- Communications report
- Morning report
- Alarm activity

Device Connectivity

- ENRON Modbus
- Weatherford
 - WellPilot® DLQK-Series
 - WellPilot RPOCveProd
- Emerson
 - FLoBoss 100, 300, 400, 500 series
 - ROC 800, 800L
- RealFlo 5.1.x, 6.8.x
- ABB TotalFlow 6400, -x, -G4
- Thermo Fisher
 - FlowAuto
 - AutoPilot/AutoMate
- Lufkin MPC/RPC, SAM
- Allen Bradley

Security Features

- World-class software security
- Multi-tenancy hosting
 - Separate database for each client
- Effective encryption for all network traffic
- Authentication required via browser SSL and the application
- Hardened operating systems and open source components
- Secure hosting facility

Customer Support

- User functional support
- System support for field, communications, and software infrastructure

CygNet® on Demand hosted solutions collect, manage, and distribute the complete information stream generated by a typical oil and gas operation—including operational SCADA devices such as electronic flow measurement (EFM), artificial lift, and facility devices. CygNet on Demand represents only a fraction of our production optimization solutions; to learn more about how this or any other solution from our comprehensive portfolio can work for you, contact us at **PO-Info@weatherford.com**, or call your authorized Weatherford representative.



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