

**GPC 2022 WORKSHOP**

# **CYGNET & FORESITE**

**SCADA & PRODUCTION OPTIMIZATION PLATFORMS  
FOR OIL & GAS**

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# ForeSite™

PRODUCTION OPTIMIZATION PLATFORM



# CygNet™

SCADA PLATFORM





C Y G N E T

First productized  
SCADA system  
tailored for oil and gas



The CygNet®

**ADVANTAGE**





**5 MILLION**

BARRELS OF OIL PER DAY

**460 THOUSAND**

WELLS

**30 BILLION**

DATA UPDATES PER DAY

**125 THOUSAND**

MILES OF PIPELINES



# ForeSite™

## PRODUCTION OPTIMIZATION PLATFORM



Engineering Models

Operations

Artificial Intelligence

Cloud



**5 TO 15% MORE PRODUCTION**

**5 TO 30% MORE UPTIME**

**5 TO 35% MORE EFFICIENCY**

**PROVEN PERFORMANCE IN 55,000 WELLS**

## ENHANCE PRODUCTION

Systematically outsmart the decline curve. The ForeSite production optimization platform enhances production with unparalleled insight that continuously identifies problems, production-uplift opportunities, and bottlenecks.

## MAXIMIZE UPTIME

Reduce costs with preventative maintenance and proactive asset management powered by predictive analytics. Our enterprise-wide approach to real-time monitoring and optimization helps you reduce production losses and downtime and improve your bottom line.

## IMPROVE EFFICIENCY

Focus on what matters most. With asset-level power available from your desktop or smart device, you can systematically improve personnel, equipment, and capital efficiency. Our ForeSite platform reduces operational inefficiencies, decreases field presence, and enhances safety.





# CYGNET – REPRESENTATIVE CUSTOMERS



*Sales developed through direct sales channels in Weatherford region and country operations.*



# ENCANA LOWERS COSTS WITH CYGNET

## Leading North American gas producer

- Operations from British Columbia to Louisiana
- Producer of +3 BCF per day
- 12.9 Tcfe in proven gas reserves



### Business Situation

- Needed enterprise platform to integrate needs of business and IT
- Wanted single solution to avoid cost and maintenance of multiple applications



### Our Approach

- Complete an enterprise installation
- Encourage adoption of CygNet SCADA and Gas Measurement Repository as corporate
- SCADA standard



### Results Achieved

- Enabled ALL departments from drilling to accounting with enterprise data accessibility
- Provided universal interface to increase flexibility with external partners
- Created agility by lowering complexity
- Reduced cost by eliminating redundant technologies





# ANADARKO IMPROVES EFFICIENCY WITH CYGNET

## One of world's largest Independent E&P companies

- 2.3 billion barrels equivalent in proven reserves
- Energy for 20 million American homes produced
- 1 million acres in Marcellus, Haynesville and other shale



### Business Situation

- Needed platform with vision for future to replace non-scalable in-house system
- Wanted to easily add devices without needing developers



### Our Approach

- CygNet SCADA with Gas Measurement Repository and client applications including CygNet Web
- Implement CygNet as the corporate standard



### Results Achieved

- 250 Totalflows polling via CygNet within two days
- **Highly scalable system that now processes +5B data updates/day, over 20,000 devices**



“CygNet has freed up man hours in maintenance and deployment that we can use elsewhere.”

- Sr. Automation Analyst, Anadarko







# MERIT SAVES MILLIONS WITH CYGNET

## Operator of 13,000+ wells

- More than 84,865 BOEPD produced daily
- Assets across North America, Canada and the Gulf of Mexico
- Specialization in direct investments in oil and gas assets



### Business Situation

- Needed new technology solution compatible with legacy applications
- Needed replacement of non-supported rigid system



### Our Approach

- Standard CygNet SCADA implementation; CygNet Web; CygNet Gas Measurement Repository



### Results Achieved

- Integrated easily with legacy applications
- Saved millions in replacement costs
- Implemented much faster than expected
- CygNet provided the total solution



MERIT ENERGY COMPANY

