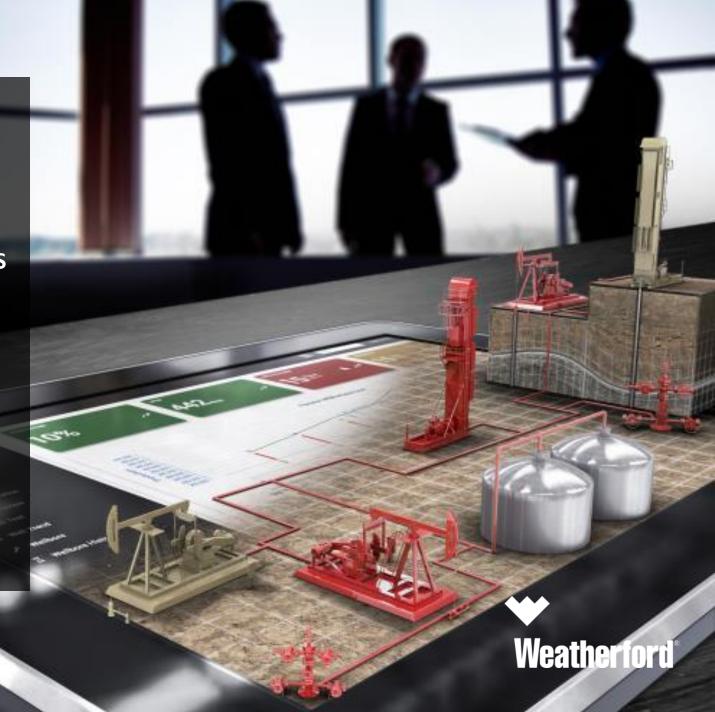


CYGNET & FORESITE
SCADA & PRODUCTION OPTIMIZATION PLATFORMS
FOR OIL & GAS

Hisham M. Nagaty ALS & PAS Technical Engineer



ForeSite

PRODUCTION OPTIMIZATION PLATFORM





Cygnetal Cyg





First productized SCADA system tailored for oil and gas



5 MILLION BARRELS OF OIL PER DAY

460 THOUSAND WELLS

30 BILLION
DATA UPDATES PERDAY

125 THOUSAND
MILES OF PIPELINES

ForeSite

PRODUCTION OPTIMIZATION PLATFORM



Engineering Models

Operations

Artificial Intelligence

Cloud

5 TO 30% MORE UPTIME

5 TO 15% MORE PRODUCTION

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 assetlevel 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



- 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 be 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 nonscalable 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 nonsupported 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



