

MEASUREMENT & ANALYTICS | UPSTREAM OIL & GAS

Automation intelligence

Production optimization solutions



Measurement made easy

Helping our customers produce more oil & gas

"With Totalflow Products we flat lined the decline curve for every well we put it on." SCADA Manager Alberta, Canada

"Using Totalflow optimizing solutions, we improved our field decline curve by 7%.' **Production Foreman**

"Optimizing our Plungerlift field using Totalflows, we were able to increase our reserves by 20% on an aging asset.' **Production Engineer** South Texas

"In 2010 using the Totalflow system, we reduced our miles per meter by 17% across the field ' Large Independent Producer Northern Colorado

A lifecycle solution

At ABB, our goal is to optimize the productivity of your assets across their full lifecycle. ABB has applications to cover all phases of enhanced production and offers solutions which scale from individual wells to large pads. Intelligent automation, centralized management with distributed control helps maximize production while minimizing truck rolls and man-hours.

With worldwide scope

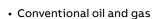
Oil and gas production receives worldwide focus, and ABB is a global solution provider. Regardless of what hydrocarbons you're producing or where your fields may lie, ABB can help automate and enhance your production.

Applications that produce results

At ABB, we spend our time designing applications to optimize your efficiency, so you can spend your time producing oil and gas. ABB offers a broad variety of factory supported applications with industry leading capabilities. ABB helps you leverage our experts for core functionality, but provides flexibility and customization to address specific needs.

Outstanding customer support

Customer support is a pervasive ABB commitment - it's not just what we do, but who we are. Whether designing solutions, customizing applications, integrating networks, or resolving field issues, working with ABB means a continuing partnership.

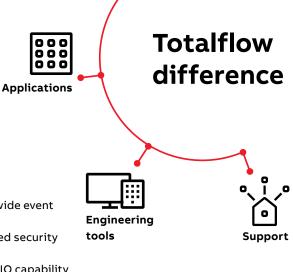


- · Shale oil and gas
- Coal bed methane
- Sandstone and tight sands Scope
- Maximize production volume
- Increase ultimate recovery
- · Minimize downtime
- Leverage pre-integrated apps
- Pre-position life-cycle support
- Delay work-over expenses
- · Reduce truck rolls



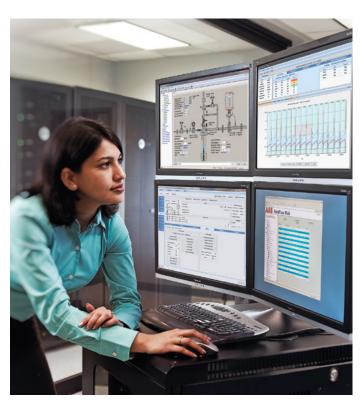
- Plunger lift analysis software
- · Soap stick
- ESP and variable speed
- Pad controller
- · Gas lift
- Shutdown system
- Remote mgmt
- · Chemical pump
- Liquids
- H2S Scrubbing
- · Logs and trends
- EZ Blocks (function block language)
- IEC 61131
- Configurable alarm(s) detection
- · Modbus register map editor
- · Configurable data logs (trending)
- · System wide event logging
- · Role based security access
- Wireless IO capability
- Configurable shutdown systems

- Third-party integrator support
- Partner SCADA systems with screens
- · Product and solution training
- Tiered customer support options
- Solution design and customization
- Installation and turn-up services
- Factory and field engineering support
- · User groups and tech conferences



Benefits





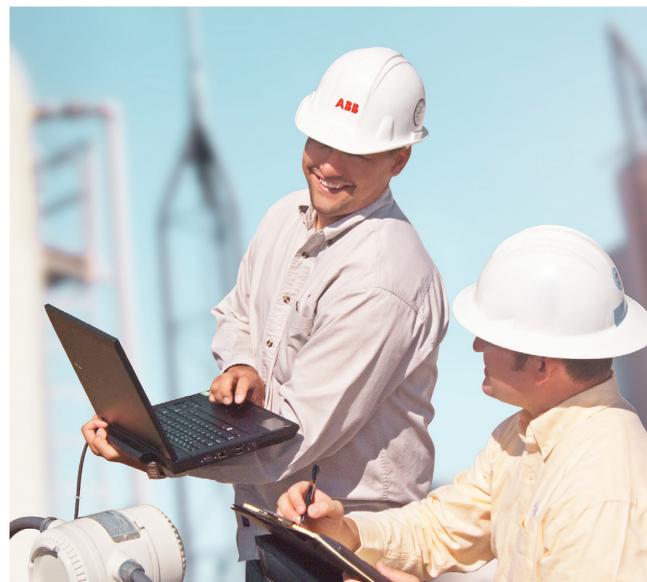




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