

Onshore Production Solutions

Data Integration for Safer, More Efficient Production

Discover More with Honeywell.



150 Years of Expertise

Performance has been the hallmark of Honeywell technology for more than 150 years. From the first RMG gas valves in 1847, to the UOP thermal cracking process that set the foundation for oil refining in 1914, Honeywell has shaped the industry. Our SCADA and DCS systems in the 1970's set the standard for control. Today we are pioneering game-changing technology that allows you to extract more value out of your operations.

Discover More Value

A Portfolio that Delivers an Unmatched Combination of Performance, Efficiency and Safety

Over the next 25 years the demand for energy is expected to rise by 56%. Oil and gas will supply 80% of the world's energy. This calls for solutions, expertise, and technology that deliver optimum performance.

Safer and More Secure

Honeywell offers a broad and comprehensive set of solutions designed to protect people and facilities. Honeywell's portfolio includes integrated control and safety systems, alarm management, cyber and physical security, fire and gas detection, and personnel safety and competence management programs. Our solutions offer a layered approach to safety, incorporating proven best practices for more effective operations across the entire facility, and enable our customers to be in compliance with increasingly stringent health, safety and security regulations. This approach improves overall reliability and integrity of the plant, safeguarding against equipment failure and safety incidents.

Across a site and across the globe, Honeywell's integrated safety and security solutions enable facilities to do more with less, and ensure a safer, more reliable and efficient operation.

Lean Capital Projects

Honeywell has revolutionized oil and gas automation and safety projects and achieved capital savings by as much as 30% by taking automation off the critical project path. Parallel engineering and standard cabinet design along with three enabling technologies—Cloud Engineering, Universal Channel Technology, and Virtualization, are key elements of Honeywell's lean automation engineering methodology—LEAP.™

Reduce Operating Costs

Honeywell products, software and services are designed to improve safety, reliability, productivity, and efficiency. We're always focused on helping our oil and gas customers reduce costs.

This focus starts in the control room with the Experion® Process Knowledge System (PKS). Every aspect of your operations can be integrated to improve operator situational awareness—eliminating unwanted downtime and improving performance over the lifetime of the assets. Combining this operating environment with our advanced software and smart instrumentation has transformed operations and business performance for oil and gas producers all over the world.

With our remote operations and maintenance solutions, you can leverage scarce expertise, make faster and more effective decisions, and achieve greater productivity. Above all, you can improve safety by removing personnel from hazardous environments, optimize your onshore assets, and increase uptime and productivity while keeping your costs under control.



Discover Optimized Operations

Harness the Power of Data to Achieve Peak Performance

Use the immense power of data to optimize performance. All around the world, Honeywell is helping customers collect a vast array of data from their processes and assets, then transform that data into useful, actionable information. By enabling technology to automate work practices and integrate operations, assets are able to run at their competitive best.

Smart and Connected

Honeywell products, software and services can help you get the most out of your assets—lowest total cost of ownership and optimal maintenance extends the life of your systems and equipment. Our smart and connected systems and products all have enhanced data visualization and advanced asset monitoring capabilities.

The SmartLine™ family of transmitters, the newest and most advanced ultrasonic meter, the compact and easy-to-deploy RTU2020, our world-leading gas control equipment, and our radically simplified Experion SCADA system, are all great examples of products designed to enhance your ability to maintain and monitor your operations.

Our software solutions help you cut through the complexity of multiple sources of data so that your operations staff can be more responsive and efficient.

Digital Intelligence

Honeywell Digital Suites for Oil and Gas combines Honeywell expertise in upstream production with our leadership in safety and performance. With our Digital Suites technology, you can increase production performance and plant availability by up to 5%. Upstream producers can achieve higher uptime and improved productivity through better operating decisions with six 'new' software suites based on proven and successful technology.

- Operational Data
- Equipment Effectiveness
- Production Excellence
- Process Safety
- Production Surveillance
- Operational Performance.

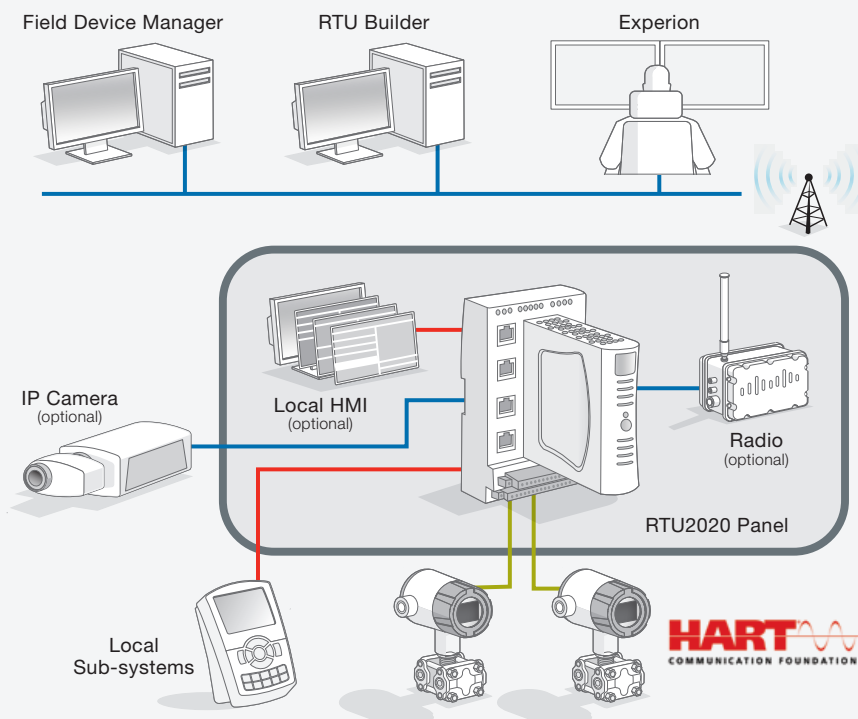
Our People Help You Perform

Our connected, global team of experts brings our advanced technology to the industry and has the know-how to apply it.

- 5,000 engineers and scientists in research, customer consulting, product, and software development
- 2,800 R&D employees
- 400 PhD's in research
- 3,915 active patents.

RTU Solution— Communications are Key

Honeywell's RTU2020, typically used in remote installations, will communicate with field instruments such as HART devices, a local HMI, communication radios, plus other sub-systems. RTU2020 connects to SCADA and asset management systems and can restore data in the event of a communications breakdown. It also features the widest operating temperature range -40 to 75°C (-40 to 167°F), low power consumption and embedded flow calculation algorithms for use as a flow computer.



Sour Gas Development in Deserts of Abu Dhabi

Honeywell is providing the main automation system for one of the world's largest developments. Our sophisticated wireless gas detection system integrates seamlessly with the Experion control system to maximize performance and safety across this large Greenfield project.



Coal Bed Methane Gas Fields in the Australian Outback

Honeywell is helping a global gas company to improve uptime and safety with Honeywell's cost-effective solution including Experion SCADA and RTU2020.



Oil Sands Project in Alberta, Canada

Honeywell's integrated control and safety systems, alarm management, and advanced simulation software are helping to achieve productivity and efficiency goals.



Large Gas Condensate Field and Pipeline in Kazakhstan

Honeywell is providing sustainable development, extending new applications that span from the wellheads to rail car and loading rigs, and improving control performance by introducing advanced control algorithms.



Discover Game Changing Solutions and Technology

Smart, Integrated Solutions for Onshore Production

In the fast-paced world of oil and gas production, decisions need to be made quickly and accurately. The new smaller and more complex onshore oilfields are more costly to develop and our upstream customers are subject to increasing regulations and more stringent compliance activities.

Honeywell's expertise on new capital projects results in low-risk startups and delivers a higher return on investment. Ongoing operations with Honeywell solutions increase reliability and efficiency, resulting in higher overall production.

Process Monitoring and Control

- SCADA and telemetry solutions for well pads
- Facility control systems
 - Product separation
 - Water injection
 - Chemical injection
 - Gas treatment
 - Product storage.

Operational Data

- Enterprise data history
- Insightful analytics
- Engineering visualization
- Event history.

Enhanced Field Surveillance through Real-Time Visualization

- Well performance monitoring
- Well-mode calculations
- Real-time, well-rate estimation
- Well capacity and well KPIs
- Visualization.

Enhanced Equipment Effectiveness

- Equipment downtime analysis
- Equipment performance
- Control valve performance
- Transmitter monitoring
- Corrosion prediction.

Production Excellence

- Advanced process control
 - Real-time production maximization
 - Real-time gas lift optimization
 - Real-time slug mitigation
- Control performance
- Production management.

Process Safety

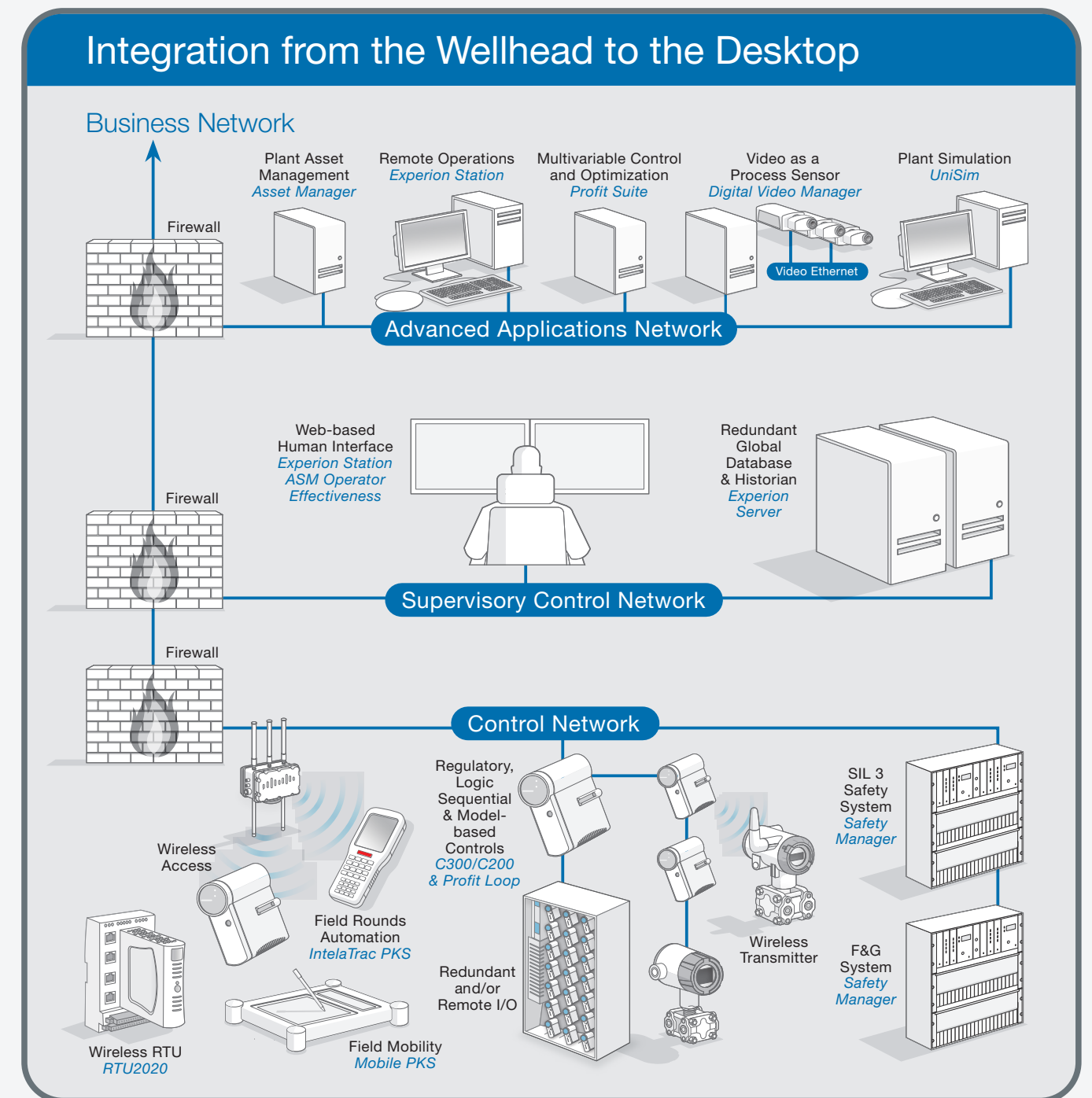
- Alarm management
- Production event analysis
- Shut-down analysis
- Safety valve analysis.



Global Expertise with Local Experience

From Northern Russia to the outback of Australia, gas and oil producers are safer and more secure, and their operations are more efficient, productive and profitable because of Honeywell's integrated technology.

If you haven't looked to Honeywell for onshore production solutions, now's the time. Our global experts and local support and service teams will help you drive more value from your operations.





Scan this QR Code to see how Honeywell's integrated onshore production solutions can help you to better manage your assets and optimize your value chain.

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For More Information

To learn more about Honeywell's Onshore Production Solutions, visit www.honeywellprocess.com/oilandgas or contact your Honeywell account manager.

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