Discover Digital Intelligence with Honeywell’s Digital Suites for Oil and Gas
Exploration and Production (E&P) companies must find ways to use real-time and multiple types of data to be more aware, proactive and timely on providing the right information to the proper people. This enables faster and better decision making to overcome demanding challenges, all via coordinated processes leveraged on innovative solutions to support production operations.

Companies that capture, manage, analyze and use the right data to support decision making gain a competitive edge. But doing so does not necessarily mean bringing more real-time data from the field; instead, it means getting the necessary data (filling the gaps) and making the best use of it as part of work processes to improve performance and safety of operations and meet strategic objectives.

While overcoming these challenges, safety and performance go hand-in-hand. E&P companies must ensure the safety of people, assets and the environment, while optimizing the performance of processes and facilities. Leading companies worldwide seek more efficient and effective operations while reducing safety risks, increasing uptime, improving compliance and making the best use of resources.

But as E&P companies surge toward the “digital oil field”—and invest in solutions to better exploit and operate assets—they must find ways to leverage brainpower and experience more broadly, and better integrate functions across the value chain.

In addition, companies need to intelligently monitor assets that could be geographically spread, and provide performance information to users located either onsite or remotely. The reporting and interpreting of alarms and alerts is central to safe operations. It is also important to act upon abnormal situations quickly and effectively.

Also remotely and smartly monitoring operations can help companies to move from a reactive/planned maintenance to a condition-based and predictive maintenance. At the same time, remote operations require an overall view of status and condition of production assets and operations.

Key to success in this environment is making sense of a large quantity of data (i.e., creating digital intelligence) in order to achieve performance at optimal production levels to drive safe, integrated operations.

For leading and competitive firms, the discovery and utilization of digital intelligence makes it possible to implement operational excellence as a business strategy. This improves access to and use of real-time data, integrating people and organizations, and changing work processes.

The value of digital intelligence resides in smarter decisions leading to faster incident correction and prevention, as well as greater insight into operations and collaboration. It enables companies to extend their upstream production by implementing more remote operations supporting de-manning initiatives and taking advantage of scarce and valuable expertise.

Oil and Gas data volume growth each year.

96% of companies are not using data to its full potential.
By leveraging the power of digital intelligence, upstream companies can ensure safe production with higher uptime, reducing actual risks and proving that regulations are met. This means fewer unplanned shutdowns and more reliable production processes, as well as improved production economics by increasing oil and gas recovery and reducing production costs.

**Digital Suites for Oil and Gas: Meeting Today’s Demands**

The complexity and scale of oil and gas production operations continue to increase. In this setting, upstream firms require effective tools for off-site production and operations monitoring, process safety management, and asset condition monitoring. There is also a need for solutions to support remote operations, exception-based surveillance, production management and operations management.

Honeywell can help you to meet today’s demands. Our Digital Suites for Oil and Gas specifically addresses upstream business and operational challenges. This comprehensive set of applications to support safety, efficiency and integrated operations is delivered worldwide and supported locally.

Honeywell’s approach recognizes that the value of safety and visible data during production is more than just the outcome of the asset. Our Digital Suites for Oil and Gas solution covers critical areas such as:

- Data capture and storage
- Process safety management
- Provable safety to comply with regulations
- Asset condition monitoring
- Production monitoring and management
- Production/process optimization and control
- Production uptime management
- Operational targets management and monitoring
- Safe and efficient operations
- Collaborative work environments
- Integrated solutions for remote control and operation

Honeywell’s Unsurpassed Capabilities

Honeywell has 30 years of experience in the global oil and gas industry. We’ve worked with E&P organizations to identify and integrate operational best practices into software solutions better leveraging data from production operations.

Honeywell’s Digital Suites for Oil and Gas includes functional modules, deployed on a unified platform, to maximize interoperability between functional work streams. This, in turn, enables collaborative and best practice processes, and unlocks the potential of key operational data.

Users can employ individual or a combination of best-in-class Digital Suites for Oil and Gas applications to meet their specific needs. Experience has shown these applications deliver long-term, sustainable productivity gains of up to 5% across an integrated asset’s operation.

**Improve Operational Productivity by Up to 5%**

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**5X 96% Up to 5%**

Typical annual savings in a mid-size field.

Expected production increase from using Honeywell’s Digital Suites for Oil and Gas.
The Digital Suites for Oil and Gas Solution Encompasses:

Operational Data
- Data integration, recording and visualization solutions to safeguard and analyze data, serve data to applications and replay historical and real-time data at the production level and enterprise-wide to make your next decision a better informed decision.

Process Safety
- Unique solutions for effective alarm management, and continuous monitoring and validation of shutdown systems and elements aimed to ensure process safety, safe shutdowns and safe operation, and provide the means to prove systematic assurance of safe processes.

Equipment Effectiveness
- Solutions enabling continuous condition monitoring of various elements in the production chain that can compromise production uptime, including various types of equipment, control loops and instruments, and providing early indications to take prompt actions to minimize maintenance costs, maximize uptime and minimize deferrals.

Production Surveillance
- Includes applications that enable continuous monitoring of production at well, field and facility levels, quickly identifying underperformance to proactively ensure production targets are met and delivering accurate production data for allocation, accounting and reporting.

Production Excellence
- Integrated oil and gas software and services to effectively plan, optimize and manage production and operations.

Operational Performance
- Enterprise information management and collaboration solution to make sense of information from operating facilities and across the enterprise, and provide better visibility into data when needed—in the proper context—to discover risks, opportunities and better collaborate and share knowledge to amplify scarce experienced resources.

Honeywell for All Your Needs

At Honeywell, we have decades of experience developing products and services geared specifically to automation projects, and integrated solutions for oil and gas and other industries. We offer all the elements of a total control and safety solution, whether networked or stand-alone, from a single dependable source.

We can also provide end-to-end solutions from instrumentation and data acquisition, to local control and telemetry—bringing data from the field to drive advanced solutions that can virtually make operations visible from your desktop or anywhere else.

We back all of our products with a comprehensive warranty and a Technical Assistance Center staffed by personnel with solid product knowledge. Because Honeywell understands the needs of oil and gas and industrial operations, we deliver more effective ways to optimize plant processes, and intelligently use data to ensure greater efficiency, safety and reliability, and improve your bottom-line results.

5X 96%

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50 sites on the North Sea and another 100 sites worldwide are using Honeywell software solutions.