HONEYWELL FORGE

WORKFORCE PRODUCTIVITY – INSPECTION ROUNDS

PRODUCT INFORMATION NOTE

An easy to use, out-of-the-box, end-to-end software solution for field operations within service and manufacturing companies. It is designed to enable the deployment of nimble and dynamic strategies for daily field activities, higher productivity, improved safety, and better data-driven decisions through insights from superior analytics.

What is Enterprise Performance Management?

EPM is a set of tools that collect, unify, and take action on operational data to optimize performance, sustainability, and safety at the enterprise level.

CHALLENGES

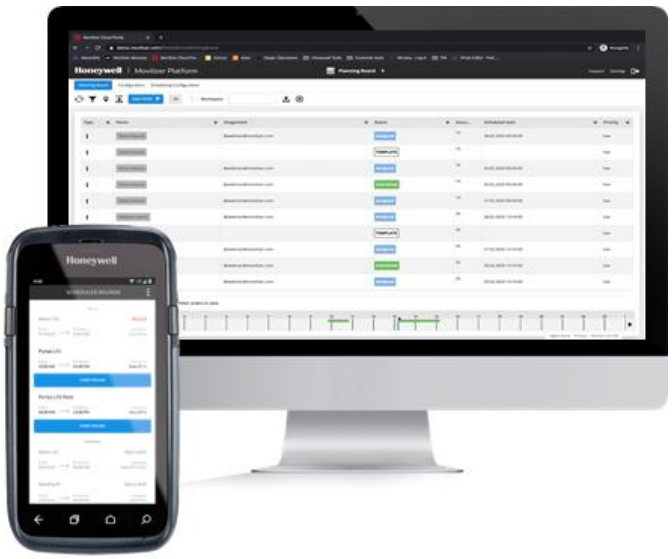
Plant owners are responsible for maintaining the highest standards of safety and productivity at all times; however, they often encounter many other day-to-day challenges such as the need to:

- Increase employee productivity
- Improve communication
- Reduce costs
- Maximized ROI on investments
- Manage skills gaps in the changing workforce

While these concerns aren't new, the focus and urgency has been increasing at an escalated rate. Instability of commodity prices, increasing retirements, tightening of headcount and the continued focus on quarterly results have affected the way we manage our facilities, our people, our technology and our budgets. From digital transformation to the rise of robotic support systems, one thing is clear: innovation and the adoption of technology are the essential building blocks for success.

SOLUTIONS

Honeywell Forge Workforce Productivity is part of the suite of industrial-focused products in Honeywell Forge, an Enterprise Performance Management tool. Honeywell Connected Industrials provides solutions that enable our customers to leverage their investments across multiple domains within their site. Whether it's the field technician who needs to talk to an expert, a field operator who needs immediate access to technical documentation or the need for automated workflows, Honeywell has a solution.



Honeywell Forge Inspection Rounds replaces manual paper-based processes with standardized digital and automated processes, connecting and orchestrating field operations across all touchpoints. It is designed to work on any mobile device, or computer regardless of OS – enabling you to maximize your existing IT investments.

FEATURES AND BENEFITS

Field Operation & Task Execution

- Online & offline operation modes
- Electronic asset identification - barcode/QR code/NFC Tag
- Supports a variety of data capture & task types
- Numeric, text, date, drop-down lists, radio button
- Attach supporting content docs/image/videos/hyperlinks
- View trends of historical readings
- Automatic limit violation detection for multiple limits; E-mail notifications with deviation details.
- Capture additional information per task – including images, videos, comment, observations
- Location-based services
- Supports conditional task execution logic in SOPs
- File incident reports from the field in real-time
- Create and submit SAP work-order request (optional)
- Multi-level approval workflows
- Submitted rounds & reported incidents

Planning & Management

- Graphically configure and maintain a multi-level enterprise hierarchy of assets, tasks and rounds.
- Advanced features enabling standardization and reusability of configuration and templates
- Bulk export/import configuration using Excel templates.
- Language localization
- Device management and user management
- Field operations scheduling and monitoring
- Multiple recurrence patterns (for example: per shift, daily, or weekly)
- Configurable shift models per level (for example: start/stop time)
- Granular rounds assignment to specific device and level
- Standard out-of-the-box SSRS reports
- Compliance, deviation, incident and rounds summary
- Multilanguage support

Out-of-the-Box Integrations

- Microsoft SQL Server and SSRS integration
- OPC based historian integration
- Honeywell DynAMo logbook via SQL DB
- Unidirectional HFIR-to-SAP integration for Work-Order Creation

Honeywell Forge Inspection Rounds is a scalable solution to deploy nimble and dynamic field strategies that automate processes and make the orchestration of remote operations harmonious.

Field End-To-End Visibility:

Honeywell Forge Inspection Rounds connects the field with the rest of enterprise systems with a collection of productive management and configuration utilities. With EasyConfig, users can quickly create and manage rounds templates, devices and users through an intuitive browser-based interface. The bulk upload option accelerates the configuration and roll-out of large jobs. With Planning Board, users can keep track of deployed rounds and review reports from the field all through the same productive user interface.



Interoperability with Existing Systems:

Honeywell Forge Inspection Rounds connects with Operations and Asset Performance Management systems to gain additional insights from data not automatically captured:

- Integration with historians provides a contextual reference that a console operator can compare his field readings against for benchmarking and diagnostics.
- Integration with Honeywell Forge Operations Management logbook applications enables streamlined workflows for manual data entries.

Similarly, Honeywell Forge Inspection Rounds connects into SAP PM to enable access to a company's maintenance work order systems. This integration allows operators to quickly notify appropriate personnel if an unusual event is seen in the field. This optimizes repair activities and reduces unplanned downtime.

Scalable, Hardware Agnostic:

Honeywell Forge Inspection Rounds can be deployed both on-premises or in the cloud to lower the total cost of ownership with faster deployment for a quick ROI. The solution maximizes your IT investments with support for all major devices and operating systems. Operators can run rounds efficiently and capture data even when not connected to Wi-Fi or cellular networks. Data is updated automatically once connectivity is restored, synchronizing with all handheld devices.

How Does Honeywell Inspection Rounds Work?

Inspection Rounds provides step-by-step data collection procedures and seamlessly sends data to other systems:

- The supervisor assigns work activities digitally at the beginning of the shift or on-demand.
- The field worker automatically receives their data collection and inspection tasks.
- Execution of these tasks is now automated for use offline or online. Data is collected efficiently, comments are captured, exceptions are highlighted, and work orders are generated.
- While connected, data and status of the round is transferred to other systems and data is available on the planning and monitoring board.
- Reports are easily generated for compliance, audits and sharing of information.
- It is mobile device-agnostic and synchronizes to all handheld devices.

The Benefits of Digitized Workflows*:

Digitizing the deskless mobile worker can positively impact the organization. Customers have achieved:

- **10% reduction** in reactive maintenance; companies can now be proactive and plan ahead to avoid extra costs
- **99% reduction** of data blind spots, by avoiding inefficient manual transfer of information into the system
- **60% time savings** compared to paper-based systems
- Overall reduction in downtime and incidents due to human error
- Improved action on analytics-based insights and predictive advisories

*Average results based on Honeywell Forge Workforce Productivity usage across 10 Honeywell Industrial customers for 2019-2020.

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