

DIGITIZING OPERATOR ROUNDS

*As **innovation accelerates**, more of your daily tasks are guided by **digital information**.*



SO WHY DO MANY PLANT OPERATORS **STILL USE PAPER** WHEN INSPECTING SAFETY-CRITICAL EQUIPMENT?

The regular inspection of areas and equipment in hazardous industrial plants is key to running a safe, efficient operation. Unfortunately, many operators engaging in these rounds or routine duties still use paper checklists on clipboards to collect this safety-critical information. Once back in the control room, that operator's recordings are usually manually entered again in a spreadsheet, database or disconnected application, creating double work and issues such as:

- Plant-wide inspection activities not visible
- Ineligible and inconsistent records
- Lower, slower data anomaly detection
- Remedial follow-up workflow procedures not automatic

- No dynamic guidance about safe operating limits
- Trends from previous operator rounds, the DCS and Data Historians not readily available
- Lack of operational context in hazardous environments

Compliance is also difficult when using a combination of paper spreadsheets and word processor documents to manage data from operator rounds. Searching for archive information – when a specific inspection was completed and by whom – is also problematic. Compliance can be compromised if operators are not using the correct revisions of inspection procedures, not properly filling out forms and not using tools that provide traceability and transparency of operator rounds records.

A Hexagon study of 101 industrial accidents where poor human procedures was a contributing factor discovered 405 fatalities, 2,163 injuries and over \$150 billion (USD) of financial losses associated to these tragic incidents.





*Digitally transformed
**Operator Rounds empower
workers** allowing them to
avoid double work and
ensures **plant-wide visibility**
at all times to **increase
operational context.***

To reduce operational risk, digitize operations and meet compliance, companies are implementing j5 Operator Rounds. This dynamic technology is configured in a familiar spreadsheet-like environment that is easy to implement, adopt and achieve quick time-to-value. Safety-critical data is available quickly, and records are clear and consistent so it is easy to highlight and trend concerning data. Human error is substantially reduced because data is recorded at the point of entry and Asset Performance Management (APM) is improved with better communication and risk reaction.

Trends from previous inspections are readily available, enhancing operational context and enabling the human sensor. If remedial action is required, work requests to the Maintenance System can be sent during the inspection. j5 Operator Rounds adds further value, because daily inspections can be included in shift handover reports.

Compliance can also be met because the correct revisions of inspection procedures are presented to an operator each day. The overall j5 Operator Rounds functionality breaks down another information silo and results in direct savings from information accuracy, consistent procedures, quicker response, increased compliance and the elimination of error-prone data entry.

**The cost of downtime is
far greater than the cost of
incremental repairs highlighted
during effective inspections!**

Eliminate paper procedures and empower the human sensor across your hazardous operations.

ABOUT HEXAGON

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.