

# j5 Operator Rounds

Isn't it time to digitize your field inspections?



# The Importance of Operator Rounds

The collection of field information at industrial sites is a key component of running an efficient and safe operation.

Often, the amount of data that is manually collected by operators can include thousands of points and represents a sizeable part of the information used in managing the process.

This makes manual operator rounds an essential data collection procedure that must be conducted efficiently and ideally linked to real-time Data Historians (like the OSIsoft® PI System®) and the CMMS (like IBM Maximo® and SAP® PM).



# The Problems With Paper Operator Rounds

Many industrial plants still rely on operators who move around the site with paper checklists and clipboards collecting information.

When the operator returns to the control room, the results are usually manually entered in a spreadsheet, database or disconnected application, wasting valuable time and creating unnecessary problems, such as:

- Difficulty getting the data to the people that need it to make decisions, such as maintenance, safety and operations personnel
- Abnormal alarm data that is hidden amongst the huge amount of normal data
- Inability to trigger work requests from SAP PM or IBM Maximo from abnormal readings
- Tedious and error-prone transferring of data into spreadsheets that are seldom looked at
- Lack of error checking which leads to false data and bad decision making
- Inability to transfer information to the Data Historian to get a true picture of the real-time and measured data
- Lack of trending capability and as a result, dangerous anomalies are hidden
- Difficulties in finding the information that is needed for technical studies
- Lack of support for photographic and video recording
- Lack of procedural control to assist operators when they discover anomalies



**Every operator must take all measures necessary to prevent major accidents and limit their consequences for human health and the environment. Where reliance is placed on people as part of those necessary measures, human factors and human reliability should be addressed with the same rigour as technical and engineering measures.”**

**Control of Major Accident Hazards (COMAH) Regulations General Duty**  
Health and Safety Executive (HSE)

# j5 Operator Rounds

## Straightforward Digitization Results in a Quick Time to Value

### **This is Digital Transformation in its Purest Form**

Digitally transforming your paper forms to the fully integrated j5 Operator Rounds solution is painless and straightforward. This means that all the benefits of going digital can be immediately achieved.

Operator rounds that exist in spreadsheets are easily imported and converted using the j5 IndustraForm® Designer and scheduled for each operational area of the process. High, low and alarm levels, color changes, trends and suggestions are also imported via this spreadsheet-like configuration tool. The same spreadsheet-like management of the tasks in j5 Operator Rounds can be used to maintain and advance the process over time.

To further reduce any startup risk, our cloud-based Proof of Concept Pilot enables a startup without the need to buy server hardware. Additionally, there is no need for a Wi-Fi connection in the field, since j5 Operator Rounds functions with or without an internet connection in hazardous areas.



**We rely on j5 for logbook, handover, work instructions, standing orders, near misses and mobile inspection rounds. We would like to extend our use of j5 to other applications in the future.”**

**Nobuyuki Takahashi**

Executive Director, Kainan Plant Manager  
Wakayama Petroleum Refinery







## **Integrated Operations**

Once the data is recorded using j5 Operator Rounds, the information (including the historical data) is available in its intuitive form to everyone on the site.

This includes maintenance personnel, operations supervisors, technical personnel, engineers, and safety personnel and managers.

## **Simple User Interface**

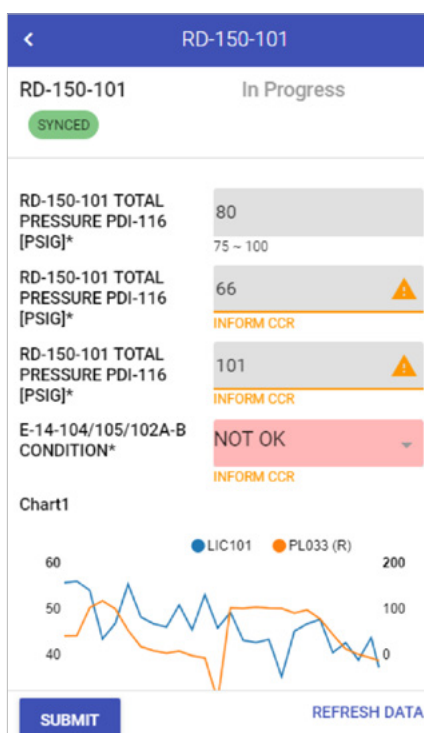
The j5 Mobility user interface is intuitive and easy to use. Rich contextual information such as trends, user prompts, error warnings and color changes guide the operator when entering the information.

Once the data has been entered, managers, supervisors, maintenance and, technical personnel can view the information in various ways using j5 Dashboards, Reports and Views (including a Gantt timeline view).



## Easy Tailoring of the User Interface and Workflow to Your Requirements

The user interface and workflow can be easily changed to meet specific requirements using the spreadsheet-like j5 IndustriaForm Designer without users having to know any programming or complex configuration skills.



## Intelligent (Dynamic) Measurement Points Allocation

j5 Operator Rounds can be designed to meet the required frequency of measurements of each individual reading (for example, it will not ask the operator to make a reading that would be of no use). This saves the operational staff significant time.



**Without j5 Operations Management Solutions, we would still be using inefficient paper documents for our human procedures.”**

**Josh Humphrey**

Chief Information Technology Architect  
AW North Carolina, Inc.

## **Industrial Architecture**

The j5 Operator Rounds application runs on Android, iOS and Windows devices. There are also a selection of explosion proof intrinsically safe devices that are used in difficult and potentially dangerous environments.


There is no need to have a Wi-Fi connection for j5 Operator Rounds to work. If a Wi-Fi connection is available, the data will sync to the control room as it is entered on the mobile device.

j5 Operator Rounds supports barcode and QR code identification of equipment and it records the GPS location for every reading.

## **Connected Digital Operations Management Platform**

The data from j5 Operator Rounds can be easily interfaced with both third-party applications like the OSIsoft PI System, IBM Maximo and SAP PM, and integrated with j5 Applications like j5 Shift Handover, j5 Permit to Work and j5 Work Instructions. j5 Operator Rounds can also add value to HxGN SDx® and other complimentary Hexagon solutions.

This connected data removes silos and results in direct savings such as information accuracy, consistent procedures, speed of reaction to problems and, of course, the elimination of error-prone entry of data.





**With j5 Operations Management Solutions, I've finally found the solution I needed to take my business to the next level.**

**There's no other company in my niche doing what we do, the way we do it, and a huge part of that is because of j5 Operations Management Solutions.**

**Our goal is to implement as much of our daily activities as we can into this system. From our inspection records to manufacture alerts and bulletins, we see j5 Operations Management Solutions as the ultimate solution for tracking our day to day activities."**

**Michael Fry**

President and CEO

Deepwater Subsea

## 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 3.9bn EUR. Learn more at [hexagon.com](https://hexagon.com) and follow us @HexagonAB.