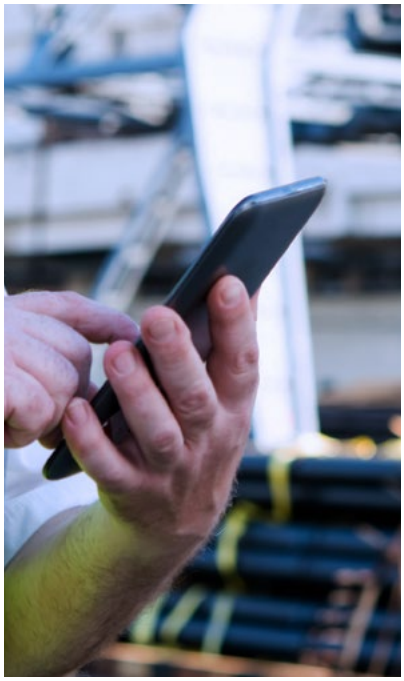
j5 Mobility Overview

The Problem

Due to the proliferation of mobile technology, operators at industrial sites are no longer confined to desktop computers and control rooms. Mobile logging of data – such as inspection rounds – is an important part of health and safety culture and many plant operators still rely on paper checklists and clipboards for field data collection. Using this method, after data is written down, the results are usually manually entered in a spreadsheet, database or disconnected application, wasting valuable time and creating unnecessary problems such as: missing data and unaccounted safety issues; data duplication and repetition of inspection rounds; illegible information; delays in follow-up actions to solve safety issues; lack of control and task guidance for personnel; and disconnected cameras, required for photographic evidence.

Despite the push towards automation, a significant amount of process data is not collected and recorded automatically. This makes manual inspection rounds an essential data collection process that must be conducted efficiently and ideally linked to real-time systems such as Data Historians.



How j5 Mobility Provided the Solution

To remedy these pains, companies across the world utilize j5 Mobility. This application is used on industry-standard devices based on popular operating systems, allowing personnel to collect measurements or observations in the field. This is typically achieved by following a route around a site, recording readings and answering questions about the status of equipment and processes, whilst optionally attaching photos, videos and notes to provide additional information.

j5 Mobility can be used to collect manual data that is missing from DCS / SCADA / Data Historians like the OSIsoft PI System®. For example, j5 Mobility data can be written into the OSIsoft PI System, providing a clearer record of events happening across an industrial site.

The j5 Mobility offering comprises several different applications and functionality as follows:

- An industrial strength mobile j5 Operator Rounds system that has been enhanced by having tighter integration with the j5 Shift Handover application and the addition of a scheduling view — like that of a Gantt chart — to provide a more graphical view of scheduled and completed Inspection Rounds
- Extends the current j5 Operations Logbook application to mobile devices, delivering current logbook entries of either open or closed status to the field user and allowing the field operator to create new or comment on existing log entries; these entries or edits are also available outside of network connectivity and can be synchronized when the mobile device comes into range
- Extends the capabilities of the current j5 Standing Orders application, delivering sets of high level operations orders and instructions to the field operator, which may need to be referred to or acknowledged by the user when they are away from the control room
- Brings a unique and powerful tool to the operations management environment, the disruptive IndustraForm® technology — which allows j5 customers to easily create and modify mobile applications, this exciting development allows j5 customers to create and modify custom operations management mobile applications — such as j5 Shift Handover forms — using the j5 IndustraForm Designer

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 21,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at hexagon.com and follow us @HexagonAB.