j5 Mobile
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 operations and safety issues

• Data duplication and unnecessary repetition of Inspection Rounds

• Difficult to find or illegible information

• Delays in follow-up actions to solve operations and safety issues

• Lack of control and task guidance for personnel

• Disconnected cameras, required for photographic evidence of problems

Also, despite the push towards automation, a significant amount of process data is not collected and recorded automatically. Making 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 Provided the Solution

To remedy these pains, companies across the world utilize **j5 Mobile**. This application is used on industry standard devices based on popular operating systems. Allowing personnel to collect measurements or observations in the field. Typically, 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 Mobile can be used to collect manual data that is missing from DCS / SCADA / Data Historians like the OSIsoft PI System®. For example, j5 Mobile data can be written into the OSIsoft PI System, providing a clearer record of events happening across an industrial site. The j5 Mobile offering comprises several different applications and functionality as follows:

• An industrial strength mobile **j5 Inspection 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

Compatible with

j5 is a powerful Operations Management Platform that empowers people to manage and adapt evolving industrial processes.

Safety	We now get reliable, validated site information which is key for us to maintain compliance and ensure the safety of our workers and the general public.	
Supervisors	Now I can issue instructions, and see that they are followed precisely. The worksheets collect and filter the important stuff from the units into a single sheet that I can also see on my mobile device.	
Production	We now know exactly how well operations have responded to our targets, and if not why not. With the real-time information AND operations logs, we are fully informed to define the next day's operations.	
Control Room	We now have rich real-time info in our Shift Handovers, in our target management, in procedures like start ups, in permits etc. Not having this data would seriously impact our efficiency, production and safety.	
Engineering and IT	Using a single, intuitive spreadsheet-like tool, we can control every aspect (content, calculations, workflow, communications, presentation etc.) in every worksheet across the organization.	
Management	Making informed strategic decisions requires validated data from a huge number of sources presented in a way that we can easily understand. We can also easily distribute our instructions and make sure they are carried out correctly.	
Field Operators	I am now connected to the rest of the team via my mobile and I no longer have to get back to the control room to find out what is going on.	

THE ONLY OPERATIONS MANAGEMENT PLATFORM WITH SPREADSHEET CONFIGURABILITY AND ENTERPRISE SCALABILITY

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