

A photograph of an industrial factory floor. In the foreground and middle ground, several blue handheld rugged devices are mounted on various pieces of machinery. The devices have small screens and buttons. The background shows more complex industrial equipment, including pipes, valves, and structural frames, all in a clean, well-lit environment.

Unvired Work Orders for SAP

Mobilize SAP Plant Maintenance – Preventive & Breakdown Maintenance



Industries with a large installed base of equipment or assets require regular preventive and unscheduled maintenance performed to maximize Asset Utilization. Most of the time, Work order execution is a paper-based process prone to errors. Work orders are provided to the maintenance technician in print form, who captures data on time and material consumed on paper. This data is then re-entered into SAP Plant Maintenance or other such system. There is little real time visibility, and this presents challenges.

Maintenance challenges in paper-based process:

- Paper based processes are prone to data entry errors
- Lower productivity
- No access to repair history
- Maintenance not integrated with other business processes
- Difficult to meet regulatory requirements



Unvired Work Orders for
SAP

Unvired Mobile Work Orders Manager, integrated with SAP™ Plant Maintenance, empowers your field technician with the critical business processes and information on the move. Unvired Mobile Work Orders Manager can be deployed on any mobile hand held device, and update SAP or any other system real time when connectivity is available. The user can also work in an off-line mode with the information on the device and update the central system at a later point in time when connectivity is available.

Processes on Mobile

- Inspection based on Work Orders
- Record Measurement Readings
- Update Equipment / Location GPS location
- Verify inspection based on GPS location
- Create Notifications and associate camera images

Mobile Devices

- iPads
- Android Phones & Tablets
- Windows Tablets



- Reduce Maintenance Costs
- Enhance worker productivity
- Maximize Plant Uptime by Enhanced Asset Utilization
- Minimize safety risks/incidents
- Paperless system
- Increase Compliance with Regulations

The screenshot shows the 'Edit Notification' screen on an iPad. The status bar at the top indicates 'iPad', '18:09', and 'Not Charging'. The screen has a blue header with 'Cancel' on the left and 'Save' on the right. The main content is organized into three sections:

- General:**
 - Short Text: Broken pump case
 - Notification No.: 10002129
 - Notification Type: M2 - Malfunction report
 - Order No.: (empty)
 - Priority: (empty)
 - Equipment: P-3000-N005 - Electric pump 005
 - Function Location: C1-BR2-12 - Booster pump plant - pump 2
- Work Center And Plant:**
 - Main Plant: 3000 - New York
 - Planner Group: 300 - Planner Group 300
 - Main Work Center: MECHMNT
 - Main Work Center Plant: 3000
- Dates:**
 - Person: 0
 - Reported By: (empty)
 - Notification Date: 26-Nov-2014 08:13:16
 - Start Date: 27-Jun-2000 08:13:16
 - End Date: 00:00:00

- Push Work Orders to the technicians' mobile devices
- Access Work Orders, Operations, Equipment, Materials, Object Lists on the mobile device
- Acknowledge acceptance of work orders in the field to supervisors from mobile devices
- Check Asset Repair History
- Check for spare parts, reserve materials and book materials consumed; Return unused materials
- Change work order, operations and related data on mobile device
- Book time spent confirming attendance; Integration with CATS
- Access Notification associated with Order; Capture Damage and Cause to enable better problem analysis
- Inform field users about safety requirements for work
- Access Standard Operating Procedures on the mobile device
- Download / access compliance documents, update these documents and attach the documents to the work order from the mobile device; Store these documents either in SAP or in a DMS (Ex: SharePoint)
- Create Notifications from the field with pictures to capture the problem better
- Reporting for Supervisors
- Verify GPS information of equipment with field user location; Capture GPS information in the work orders
- Audit work done with audit notifications in the field and report compliance from the mobile device

Contact
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