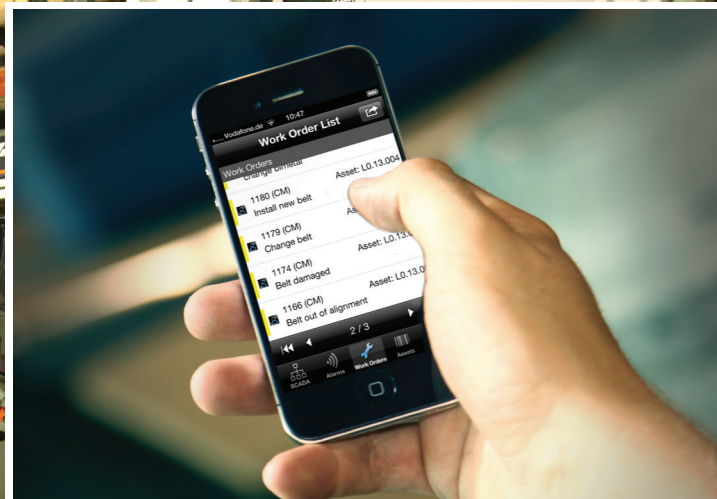




# Combine SCADA & IBM Maximo on a mobile device



**Alert the right engineer, with the right information, at the right time, every time**

- No paper work orders
- No wasted visits
- No data entry admin
- No radio communication
- No response delays
- No disruption

# Integrate SCADA and asset maintenance with EXTEND7000 for IBM Maximo

As enterprises seek new ways of using mobile technology to maintain their assets, **EXTEND7000** offers **IBM Maximo** users the ultimate mobile solution for maintenance of automated equipment.

**EXTEND7000 for IBM Maximo** allows engineering teams to significantly improve response times to faults and minimise downtime. Technicians responsible for maintaining automated environments – sorters, conveyors, cranes, pumping stations, power supplies or processing plants - can improve performance levels and cut downtime.

**EXTEND7000 for IBM Maximo** enables engineers maintaining any SCADA or PLC controlled asset to respond quickly to alarms and switch seamlessly between planned and unplanned maintenance activities using a mobile device, all whilst working remotely at the asset.

## Reduce 'time to action' on automation fault reporting

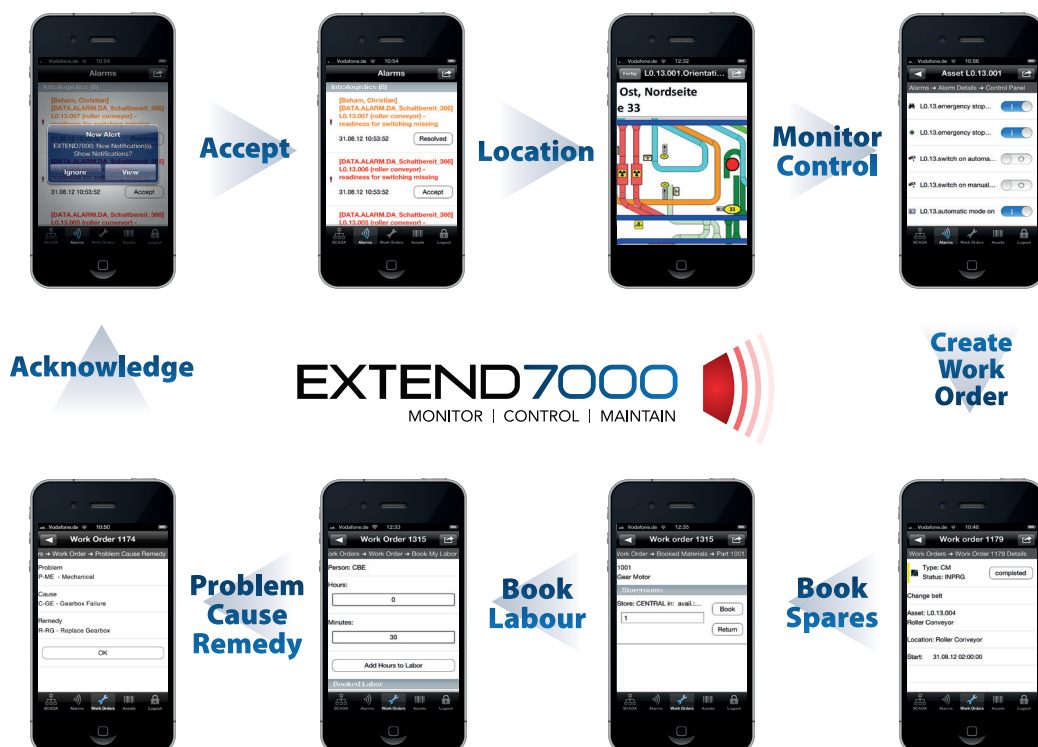
In a single workflow, engineers using **EXTEND7000 for IBM Maximo** can respond to live, filtered alarm notifications from SCADA in real-time, within seconds of a fault occurring, whilst completing preventive maintenance work orders generated by **IBM Maximo**. This is achieved using any mobile device, without the need to complete an activity or exit and re-enter a different application.

“*SCADA technology intercepts SCADA messages very early in the lifecycle process, passing relevant messages and Maximo based information directly to the field worker's mobile device. This can significantly reduce equipment down time and extends an asset's lifespan by providing better, more efficient maintenance and reducing the cost of asset management and ownership.*”

Ken Donnelly

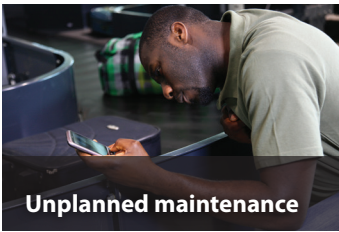
IBM worldwide industry leader for Asset Management Solutions

## Integrated workflow between SCADA and IBM Maximo on a mobile device





## Use EXTEND7000 for Maximo to manage the following 'field based' maintenance tasks:



Unplanned maintenance



Processing of planned work orders



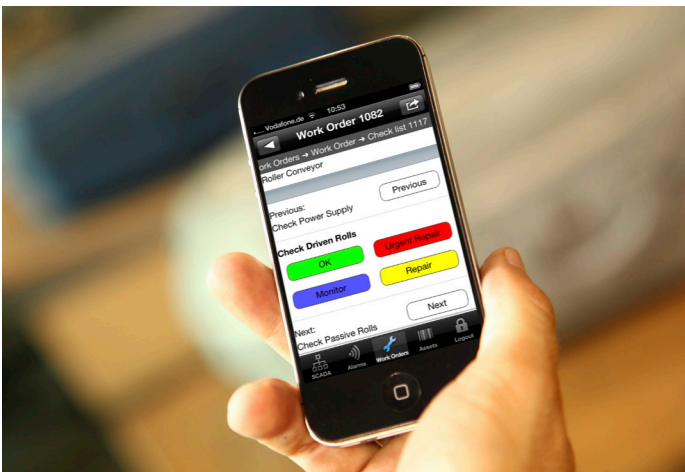
Preventive maintenance inspection routes



Condition based maintenance

## EXTEND7000 for IBM Maximo Features

- Respond to alarm notifications from SCADA
- SCADA alarms filtered by skillset, proximity, availability, severity, authority
- Access support documents e.g. location maps and wiring diagrams
- View systems remotely via CCTV
- Control and review settings for assets by directly connecting to PLC's (according to authorisation level)
- Start, stop and reset assets (according to authorisation level)
- Create work orders linked to SCADA alarm notifications
- Create and schedule ad-hoc work orders as a follow on activity
- Review and edit existing work orders
- Automatic repair time recording
- Book materials and labour against work orders relating to SCADA and routine maintenance
- Enter Problem Cause Remedy (PCR) reason codes.



**Reduce downtime and extend asset lifespan with more efficient maintenance**

## Operational Benefits

### Improve productivity and data accuracy

- Eliminate paper from maintenance operations
- Free engineers to spend more time on maintenance
- Increase workload capacity by integrating planned and unplanned activity
- Support maintenance engineers with intuitive workflows
- Monitor ongoing asset performance levels
- Compare planned and unplanned maintenance activity

### Achieve 360-degree asset maintenance visibility

- Reduce fault repair and problem resolution times
- Real-time Spare Part stock accuracy
- Mobile data capture ensures Maximo is always 100% up to date
- Up to the second intelligence means smarter, faster working
- Access historical maintenance information whilst working at the asset
- Improved data quality ensures better management reporting

### Lower maintenance costs and lower total cost of ownership

- Improve communication between control room and maintenance teams
- Early problem detection and avoid unnecessary journeys
- Reduce response and fix times by allocating the right engineer to the task
- Paperless working and automatic data capture reduce administration costs
- Maintenance work order processing times are lowered
- Reduce labour costs and spend on maintenance overtime
- Extend the lifespan of assets with ongoing preventive maintenance

“ The cost-benefit relationship convinced us immediately. ”

Jan Kulling

Maintenance Team Leader  
Lugato

## Secure multi-platform support and security

**EXTEND7000 for IBM Maximo** is compatible with any smartphone, handheld terminal or tablet device.



**EXTEND7000's** Mobile Client has been designed to mirror the native functions of each mobile. For use within harsh environments, protective cases are available as a low cost method of converting a standard mobile into a rugged device.

## Added value implementation and support services

When you choose **EXTEND7000 for IBM Maximo**, SCHAD's professional network of integration partners will manage your implementation throughout its lifecycle, from system design and configuration, implementation, user acceptance testing and on-going support. Our integration partners are experts in mobile applications and process automation and bring invaluable insights to each customer's installation. Depending on the complexity of each project, it takes between 2 to 6 weeks to implement **EXTEND7000** including training.



SCHAD is a pioneer in engineering mobility solutions and was founded in 2007 to offer a global standard for the mobile operation, control and maintenance of automated systems using an ordinary mobile device.

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**SCHAD is an IBM Business Partner  
for the integration of mobile  
applications with IBM Maximo.**