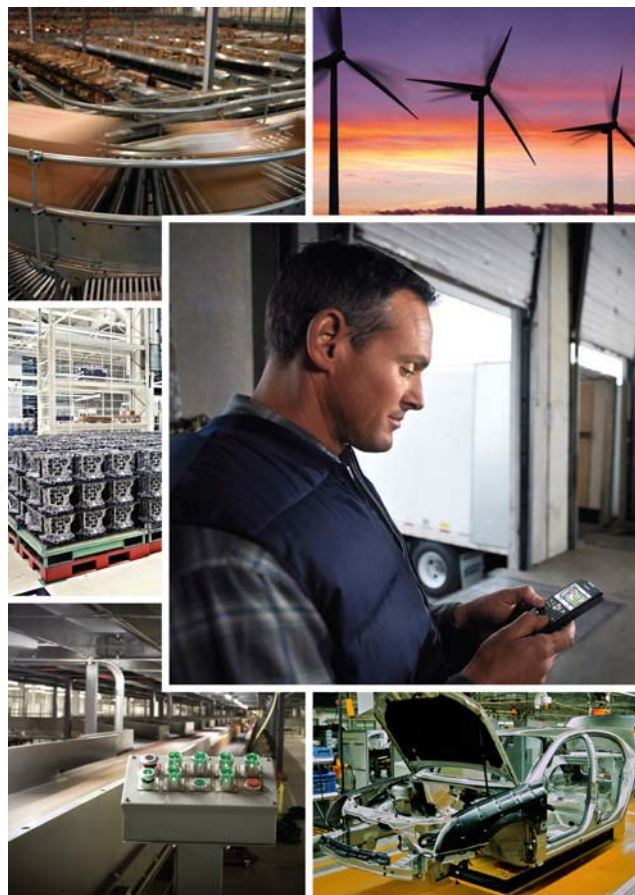


EXTEND7000®

Mobile SCADA and Maintenance

Boost automation performance



e-Factory
Partner Product

FULL ACCESS 

Monitor and control multiple plants from any location, co-ordinate maintenance remotely

IMPROVE PROFITABILITY 

Improve workforce productivity and reduce the numbers of on-site visits

IMPROVED COMMUNICATION 

Continuous remote monitoring and control means reduced unscheduled downtime and faster response times

Introducing engineering mobility



Monitor and control multiple plants from any location.

Get full visibility and remote control of automation systems

For companies operating large or multi-site facilities distributed across multiple locations, response times can be a serious issue, highlighting the inherent problems with traditional SCADA systems.

Technicians confined to a fixed control room inevitably take time to reach plant equipment requiring attention. Call outs to remote locations can take hours, resulting in production disruption, wastage or breaches to compliance regulations. These problems do not occur when using EXTEND7000 because authorised personnel are able to monitor, control and maintain automated systems like Mitsubishi Electric's programmable controller product line with the FX PLC family, System Q and iQ Platform, remotely from anywhere within a facility or the outside world, using any mobile device.

Traditional SCADA systems show you there might be a problem but EXTEND7000 also reduces downtime. It alerts the right people within seconds, directly reducing the time between an alarm being raised and an available, appropriately qualified engineer starting to fix the problem.

SCADA systems transformed the management of automated plants in the 1950s. Now, 60 years later, mobile technology and enterprise mobility are shaping the way we work.

Applying this innovation to process automation, SCHAD has created EXTEND7000 Mobile SCADA and Mobile Maintenance, a powerful set of engineering mobility tools that give plant engineers responsible for operations and maintenance activities both SCADA notifications and full visibility and control of automation systems.

Benefits of EXTEND7000

- Cut unscheduled downtime and fix time
- Achieve KPIs and increase service levels
- Improve workforce productivity, reduce numbers of on-site visits
- Eliminate paperwork, real-time reporting
- Reduce labour costs
- Fast ROI (typically in 6 – 9 months)



Access trend data and create real-time reports.



View automated systems remotely via CCTV on a mobile.

A bridge between existing SCADA and Maintenance Systems

EXTEND7000 Mobile Maintenance further expands the software's mobile SCADA capabilities with a maintenance module that integrates to all leading plant maintenance applications, including IBM Maximo and SAP PM.

Using EXTEND7000, field based engineers have a single, powerful gateway to both SCADA and maintenance systems. In this way, EXTEND7000 uniquely combines mobile SCADA notification and control with the ability to directly link to maintenance information – all in real-time, whilst on the go.



Enhance control room operational efficiency by delivering SCADA notifications directly to the right engineer.

Multi-platform support and security

EXTEND7000 has been designed to conform to the highest security standards. It is compatible with most modern smart phones, handheld terminals and tablet devices on the following operating systems:

- Android
- Blackberry RIM
- iOS iPhone and iPad
- Windows Mobile and Windows Phone

The EXTEND7000 Mobile Client has been designed to offer the same look and feel as the device's native functions. For harsh environments, protective cases are available as a lower cost method of converting a standard mobile into a rugged device.



Meet your KPIs through lower downtime and costs

- Monitor and control multiple plants or warehouses from any location
- Integrate data originating from multiple SCADA systems and/or PLCs onto a single user interface
- Co-ordinate engineering maintenance activities remotely
- Deliver SCADA notifications directly to the right engineer
- Receive and process fault notifications
- View systems remotely via CCTV on a mobile
- Directly control PLCs and change parameters
- Access historical information and create real-time reports
- Link SCADA notification and control to maintenance systems
- Switch between SCADA events and maintenance activity
- Update Plant Maintenance Systems in real-time
- Review documents, work orders and historical plant information relating to a SCADA notification
- Create ad hoc work orders in response to a SCADA event
- Eliminate paperwork and manual data entry.

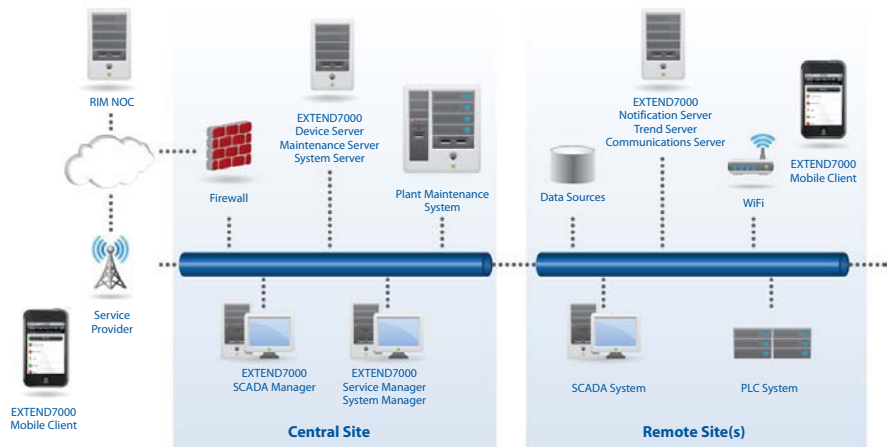
EXTEND7000 Architecture ///

Architecture supports scalable technology

EXTEND7000 is a mobile application that is highly functional, configurable and quick to implement. A highly scalable solution, EXTEND7000 can be deployed at a single site or, for large organisations, distributed across multiple sites where it is capable of monitoring many 100,000's of tags and a wide range of data sources.

The system supports many 100's of remote users whether connected on a local Wi-Fi or Mobile Data Network.

- High security and system availability
- Unlimited scalability
- Fast and simple to implement for rapid ROI



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