MOBILE WORK MANAGEMENT

ABB Fieldreach
Mobilizing work and asset business processes to enhance business performance.
A robust mobile solution
that takes work and asset management processes to the field.

ABB Fieldreach supports users who carry out inspections, maintenance and data capture activities, increasing worker efficiency and asset reliability, and enhancing safety and regulatory compliance.

Asset management where it happens
With the rapid evolution of mobile devices and wireless broadband, mobilizing the workforce is playing an increasingly critical role in many businesses. Nevertheless, field workers are typically disconnected from central workflow systems and automation processes.

In asset-intensive industries in particular, mobile maintenance technicians and field workers have the highest direct impact on the quality of work but the lowest efficiency, often relying on manual systems and scheduling. With their field workers deployed in extreme environments such as mines, road and rail corridors, remote transmission networks, or emergency response situations, asset failure is not an option. On-site monitoring with accurate asset and equipment data is needed to ensure continuous uptime and avoid asset failure that could catastrophically harm workers, local communities, and/or the environment, and cost millions in downtime or damages.

By mobilizing work and asset management processes that matter and connecting workers directly to critical business systems, you can dramatically lower operating costs, increase worker efficiency, reduce overtime, and improve data and reporting, while mitigating major risks such as user and plant safety.

An end-to-end mobility solution
Created from extensive experience with flexible data and process management and exceptional knowledge of asset-intensive industries, ABB Fieldreach delivers a best-of-breed mobile solution for enterprises driving field worker productivity enhancements.

ABB Fieldreach will support all your work and asset management processes, and allows business users to readily refine and enhance field based processes to deliver effective and efficient field operations. Since it is business process oriented, ABB Fieldreach is also quick and easy to implement, making it one of the most flexible mobile solutions available today.

A mobile solution with ABB Fieldreach at the core can be rapidly deployed for comparatively low start-up costs and, once operational, can be maintained, enhanced and extended by business users to provide significantly reduced total cost of ownership.

Mobilizing work and asset management
ABB Fieldreach is a configurable enterprise solution for mobilizing work and asset management processes:

• Completion of planned and reactive maintenance, fault driven or customer service oriented work
• Progression of work through various stages and real-time back office updates
• Capture of on-site data including risk assessments, associated asset and equipment details, inspection or condition data and any customer feedback
• Providing mobile visibility of assets, performing inspections and recording asset details, condition and asset health information
• Locating assets and work via integrated mapping and augmented reality
• Lone working and geofencing
Get better results

Flexibility
ABB Fieldreach provides Intelligent Scripting, a script-based method of sequencing instructions and data collection. It enables mobilization of existing and, crucially, new business processes without the need for device-side software development.

Capture the right data
With ABB Fieldreach, you can create scripts to enable work and asset management. These scripts are a series of questions, prompts and instructions that define what data a user will be asked to collect in the field. It’s called Intelligent Scripting because you can set parameters to prevent incorrect data input and ensure that all questions are answered in a consistent manner before a work order can be completed.

Make changes quickly
ABB Fieldreach allows business users to make changes to these scripts, enabling them to define new processes or amend existing ones easily and quickly. In environments where mobile application requirements are constantly changing due to regulatory pressure, or the drive to improve operational efficiencies, ABB Fieldreach empowers you to quickly meet these challenges at minimal cost.

Platform independence
ABB Fieldreach’s scripting technology retains independence from the ever-changing mobile landscape. Customers enjoy the benefit of being able to upgrade their device landscape without revisiting the investment in scripting and back office systems integration.

Advanced features
ABB Fieldreach contains state-of-the-art features including integration with mobile device on-board map services and augmented reality. This allows work and assets to be displayed on intuitive, interactive maps to aid location and navigation, and helps ensure that the mobile worker is at the right asset before commencing work.

Rapid solution delivery
Rapid mobile deployment is enabled via ABB Fieldreach’s integration and Intelligent Scripting capability. Minimal time to business benefit is achieved by eliminating the need for costly and time consuming systems development. ABB Fieldreach can be delivered in the Cloud or on low-cost commodity hardware.

Benefits
ABB Fieldreach extends the benefits of your existing enterprise asset management system:

- Reduce operating costs
  - Progress work stages and real time (when connected) back office updates
  - Leverage data at the point of inspection to improve decision making
- Increase efficiency and reliability
  - Automate field-based processes to better service and operate assets
  - Eliminate costly errors and inefficiencies of data double entries and lost paperwork
- Ensure safety & compliance
  - Consistent procedures help reduce occupational health, safety & environmental risks
  - Full visibility of job routes, automated procedures and critical alerts to reduce risk and liability