

SOTI[®]

ENTERPRISE MOBILITY MANAGEMENT

Managing Mobility for Manufacturing

Mobile technology is transforming the manufacturing industry from the outside-in; customer service, and from the inside-out; process improvement. This trend is accelerated by the Internet of Things (IoT) and Industry 4.0 initiatives whose goal is to further automate manufacturing processes. New mobile devices and endpoints integrated into key manufacturing processes require security and management. SOTI makes it easy to manage endpoints, 'things' and devices, and their applications, content and security.



Use of Mobility in Manufacturing



Sales staff equipped with smartphones and mobile applications extend the reach of the corporate ERP solution to shrink the sales cycle and satisfy customers expectations. On the factory floor, Plant managers and supervisors equipped with ruggedized smartphones and tablets have real-time access to MES (Manufacturing Execution System) dashboards that enable faster decisions and more efficient production.

Create orders in front of the customer

Mobile CRM or ERP applications running on a smartphone enable real-time distributed order management, including; pricing, fulfillment, status tracking, custom quotes and custom build orders.

Manage your inventory

RFID tags, scanners and smartphones are used to improve logistics and supply chain coordination, and ensure that you have the parts and components you need when you need them.

Speed up production insight and decision making

Mobile MES applications and customized dashboards provide real-time alerts and process data to plant managers and supervisors. This enables faster manufacturing decisions to optimize resource scheduling and improve production output.

Simplify work instructions

Shop floor workers equipped with tablets have access to detailed, standardized electronic work instructions to follow a process or assemble a product or part. Innovative new augmented reality devices have the potential to improve this process further.

Improve equipment monitoring and maintenance

Plant maintenance personnel equipped with smartphones or tablets to monitor production equipment performance and scheduled preventative maintenance tasks. The same mobile device can provide detailed maintenance history, schematics, warranty information and parts availability.

Consistent quality and compliance auditing

Mobile devices equipped with cameras are used to execute electronic quality and/or compliance checklists and attach pictures for backup. Audit data is available faster, less like to contain errors and is easier to access.

Why SOTI for Manufacturing?

Secure BYOD devices

If a manufacturer is slow to deploy mobile devices to their employees, there is a good possibility that they will use their own device to make their job easier. SOTI MobiControl delivers comprehensive device security and management for Windows, iOS and Android mobile devices. SOTI supports OS-level device containerization solutions such as Android for Work, Samsung KNOX, Windows 10 and iOS 9. This enables IT to fully secure and manage the device, and the user can still access personal data, files and applications.

Support diverse roles and requirements

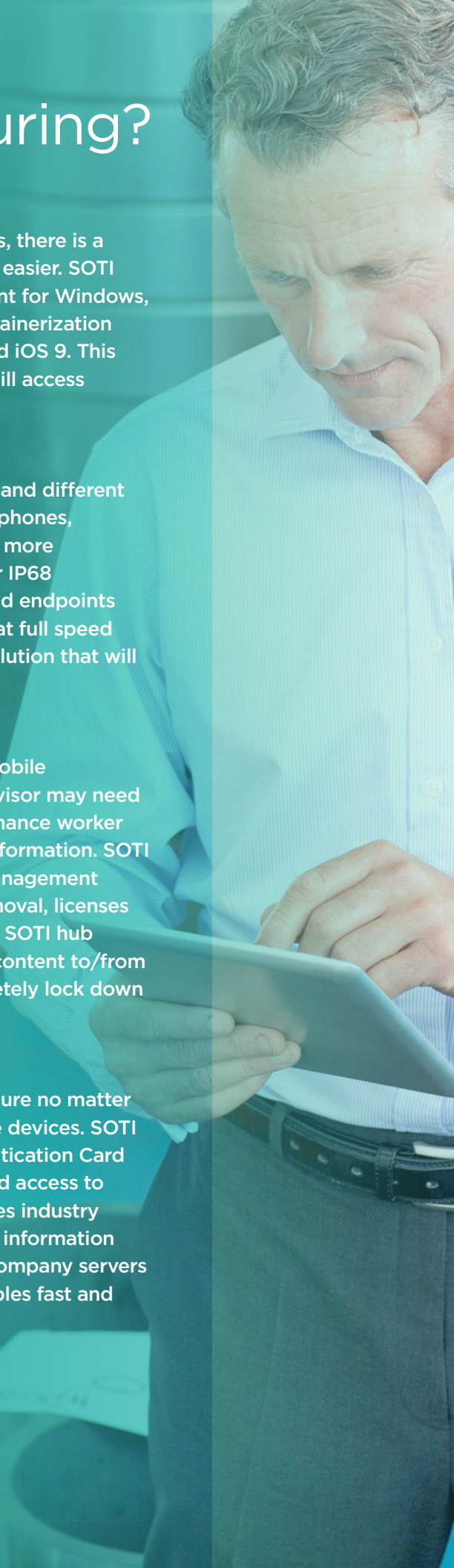
Different types of mobile devices may be required for different roles and different areas of the company. Sales staff may require consumer grade smartphones, whereas maintenance staff or workers on the plant floor may require more ruggedized smartphones and tablets that adhere to the MIL-810-G or IP68 standards. SOTI works with more types, makes, models of devices and endpoints than any other mobility management vendor. We are moving ahead at full speed to deliver the industry's first unified endpoint management (UEM) solution that will secure and manage the billions of endpoints that will arise from IoT.

Manage applications and content

Different jobs within the manufacturing company require different mobile applications and content on the smartphone or tablet. A plant supervisor may need a mobile MES application or dashboard app, whereas a plant maintenance worker needs access to maintenance schedules, work orders and machine information. SOTI delivers a comprehensive suite of mobile application and content management features. Silent OTA app installation, configuration, updating and removal, licenses management and whitelisting/blacklisting. SOTI Content Library and SOTI hub deliver a secure platform for the managed distribution of corporate content to/from mobile devices. If required, SOTI can mandate Kiosk mode to completely lock down the device to a single application.

End-to-end device and data security

Documents, data and corporate content must remain private and secure no matter where it is located; on company servers, workstations or even mobile devices. SOTI MobiControl supports Active Directory (Azure AD), Common Authentication Card (CAC), biometric & two-factor authentication to prevent unauthorized access to valuable corporate data and documents. In addition, MobiControl uses industry leading encryption technology to ensure that any sensitive company information residing on a mobile device in the field or transmitting to and from company servers is as secure as if it was on a workstation back at the office. SOTI enables fast and easy access to online resources for mobile workers to do their job.



Bringing it all together

The Internet of Things (IoT) is receiving a lot of media attention, but the basic principles of the IoT have been established in the manufacturing industry for over 20 years. Industrial Automation and Process Engineering are based on machine to machine (M2M) networks of sensors (endpoints), controllers and actuators (motors, drives, robotics, pumps, and valves) working together to optimize production.

- Sales staff meeting with customers can generate orders that automatically get fitted into the production schedule and provide a delivery date
- Advances in industrial automation, MES and mobile applications have enabled plant managers to run their production facility completely from their mobile device
- Based on the current parts inventory levels, procurement systems can automatically reorder from suppliers to ensure production continuity and optimal outputs
- Big Data and analytics can automatically optimize production outputs to satisfy current and projected orders and any adjustments due to marketing promotions

As more mobile devices, applications and content are being deployed throughout the company, it becomes more important than ever to secure and manage them all. SOTI makes it easy to manage all the different types of mobile devices and their security, applications, and content. As the Internet of Things (IoT) grows, SOTI will continue to provide industry leading mobility management for all endpoints.

Additional Resources

For more information about SOTI MobiControl, please download our Brochure – SOTI – Taking Mobility to Endless Possibilities. (http://www.soti.net/media/5906/sotibrochure_booklet.pdf)

For more information about Mobile Security, please download our Whitepaper – Mobile Security – Addressing the Evolving Threat Landscape. (<http://www.soti.net/resources/white-papers/mobile-security-addressing-the-evolving-threat-landscape/>)

SOTI is a proven product innovator and EMM Industry leader. Over 16,000 customers across 170 countries rely on SOTI for their EMM needs. We empower the enterprise to take mobility to endless possibilities.