PUTTING WEARABLES TO WORK

Wearables are revolutionizing the way workers do their jobs. Law enforcement officers use body cams to gather evidence or record their interactions with the public. Hospital workers use wireless pendants to streamline communication and improve the patient experience.

While wearables offer productivity benefits to the user and the enterprise, they also present a security and management challenge. Organizations must consider how unsecured wearable devices are vulnerable to unauthorized network access or confidential data breaches. Whether the wearable is a mobile scanner or a lifesaving medical device, it requires complete lifecycle management and security to be effective.

SOTI Solution Series

HOW ARE WEARABLES TRANSFORMING THE WORKPLACE?

Streamlined processes and increased productivity

Wearable technology helps organizations increase their efficiency and productivity. As there is a constant demand for products to be made faster and more cost-efficient, wearables expedite production timelines, cut down on operational expenses, and alleviate unnecessary strain on workers. These devices can automate manual processes by allowing for a hands-free environment to collect and share data across the organization.

Safety and situational awareness

By gaining insights into their business operations in real-time, wearables allow organizations to make smarter decisions and take a more proactive approach to ensuring the safety of their employees. Wearable devices can be personalized and configured to a worker's exact needs and specifications. They can also be equipped with haptic response capabilities that employers can use to inform workers right away if they are operating in an unsafe manner. The data capture capabilities of wearable technology can help determine which tasks workers are performing incorrectly, and which tasks may be contributing to inefficiency or poor performance.

WHAT TYPES OF WEARABLES ARE TRANSFORMING THE WORKPLACE?

Smart Glasses
Smart glasses deliver hands-free access to critical enterprise solutions and enable users to focus on their job, minimizing distraction and downtime. They are used to streamline warehouse "picking and put away," for real-time access to schematics and parts lists by field service technicians, and to enable heads-up displays (HUDs) and remote collaboration in surgery.

Smart Clothing
Smart clothing and fitness peripherals deliver well-documented health and wellness benefits, but the next generation of wearable monitors will offer true clinical benefits. The healthcare and home care industries are excited about 24/7 monitoring of remote patients.

Body Cams
Wearable cameras, or body cams, are common in law enforcement, but they are also used in healthcare, security, journalism and the military. Body cams deliver much more than just video recording. Real-time connectivity and streaming enable facial recognition and improve crisis management.

Scanners
Wearable barcode and radio frequency identification (RFID) scanners are common in the supply chain. Retail and logistics companies deploy them to improve the productivity of their warehouse workers.

Biometric Tracking
Fatigue monitoring wearables are keeping drivers safe. Sensors attached to headwear, such as caps and helmets, can detect signs of driver drowsiness and issue a visual and audio alarm when the driver starts losing alertness.

Wrist Wearables
Wrist wearables can take many shapes and forms, from elegant wellness and fitness peripherals and smart watches to medical-grade telemetry units. In addition, a large, clear display can deliver a hands-free user interface for mobile devices and apps, or act as a standalone communications device to replace pagers.

CHALLENGES AND CONCERNS RELATED TO WEARABLE TECHNOLOGY

When implementing wearable technology into your organization, you're also introducing a new level of data collection and, as a result, a new area of security concern. It becomes increasingly important to protect the device and the data housed within the device from unwanted access, the same way you would protect employee information and sensitive corporate data.

WHAT CAN THE SOTI ONE PLATFORM DO FOR WEARABLE DEVICES?

The SOTI ONE Platform is the perfect solution to managing wearable technology, or any IoT device. Comprised of seven unique and revolutionary solutions, the SOTI ONE Platform brings all your mobility needs into one easy-to-use platform. The SOTI ONE Platform can help break down organizational silos to eliminate downtime, build apps faster, and manage all mobile and IoT devices in one place, including wearable technology.

PROVEN DEVICE AND DATA SECURITY

The SOTI ONE Platform delivers reliable security for wearable devices, and privacy for all data stored on or transmitted to/from the device.

- Password protect devices and encrypt their storage and data communications.
- Set alert rules that automatically perform device actions and send notifications when a device is non-compliant.
- Restrict risky features such as USB storage devices or screen capture.

RAPID DEPLOYMENT AND PROVISIONING

The SOTI ONE Platform reduces provisioning costs while accelerating the deployment of wearable devices.

- Support for wearables running: Android, iOS, Linux and Windows operating systems.
- Support for popular IoT communication protocols, including MQTT and REST API's through SOTI Connect.
- Rapidly stage wearables using a setup file or by scanning barcodes with the SOTI MobiControl Stage app.
- Silently deploy app store or in-house apps.

TRACK WEARABLES IN REAL-TIME

The SOTI ONE Platform always knows where and how wearable devices are used and who is using them.

- Distribute/revoke apps, content and settings based on location using polygon-based geofences.
- Track the locations of wearables in real-time and set rules to modify their behaviour based on location.
- View the location history of wearables over time.

POWERFUL REMOTE SUPPORT

The SOTI ONE Platform delivers real-time remote control for wearable devices, wherever they are located.

- Remote control wearables including reset and restart.
- Interact with hardware buttons on the device via a virtual device skin.
- Browse, copy or delete files on the device.

WHO IS SOTI?

SOTI is a proven leader at creating innovative solutions that reduce the cost and complexity of business-critical mobility and the IoT. Companies around the world depend on SOTI to secure, manage and support their mobile operations. SOTI is a proven innovator – clear vision, laser focus and a commitment to R&D has made SOTI the market leader at delivering exciting, new business mobility solutions. SOTI helps businesses take mobility to endless possibilities.

SOTI® SOTI is a proven innovator and industry leader for simplifying business mobility and IoT solutions by making them smarter, faster and more reliable. SOTI helps businesses around the world take mobility to endless possibilities.

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