


SMG3

Guide



How Data Solves Mobile Device Management Problems

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Mobile device tracking saved one organization over \$1.9M through lost device recovery, improved efficiency, and reduced replacement costs. Incremental usage and lifecycle data amplify the effect.

Topics Covered

This guide examines how centralized tracking, usage, and health data for mobile devices help warehouse managers address costly issues.

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Executive Summary

Mobile devices power modern warehouses and industrial operations. In many of these facilities, hundreds or even thousands of mobile devices move across shifts and departments every day. Handheld scanners, mobile computers, and tablets drive inventory accuracy, order fulfillment speed, and workforce mobility.

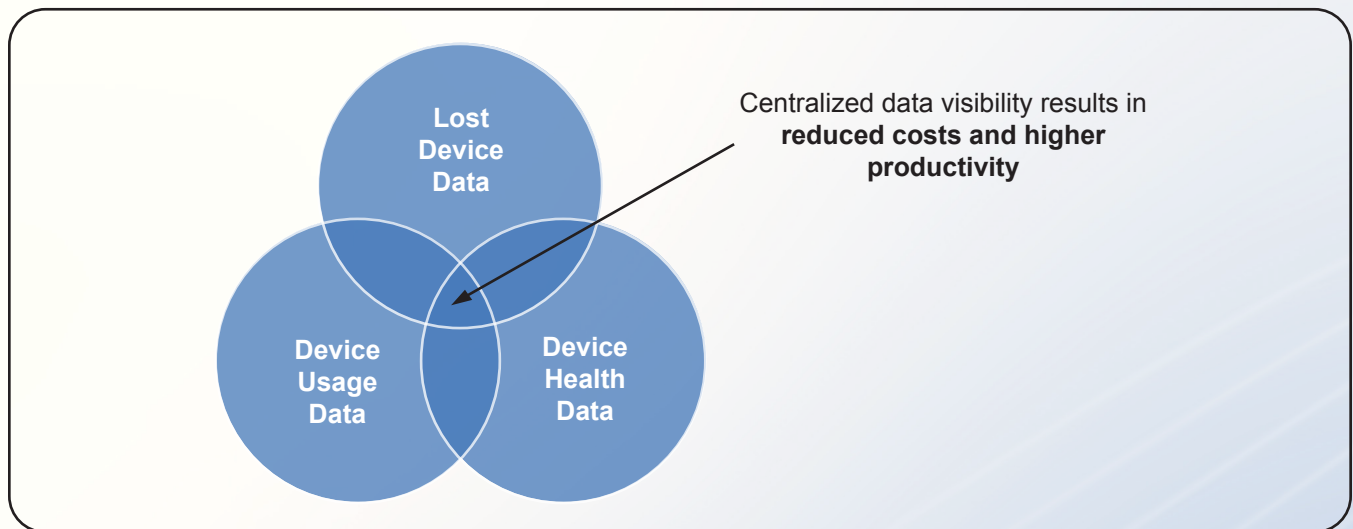
Yet many organizations lack consistent visibility into device locations, usage, and operational status. This, in turn, disrupts workflows, increases replacement costs, creates unplanned downtime, and reduces workforce productivity, increasing the total cost of mobile management.

Centralized Mobile Data Solution

Root causes for **lost productivity and escalating equipment costs** include:

- Lost devices
- Premature replacement
- Under/over utilization of devices
- Sub-optimal device allocation
- Unanticipated device failure

Combining data into a consolidated overview of their enterprise mobility devices puts management back in control of their mobile environment, without placing an incremental burden on overstretched IT teams.



The Hidden Cost of Lost and Untracked Mobile Devices

Device loss rarely appears as a single large expense. Instead, it shows up as delayed workflows, repeated time-sensitive searches, emergency replacements, and unnecessary hardware purchases.

When employees cannot locate a device, productivity drops immediately. Supervisors spend time trying to bridge these gaps while **IT teams** receive support requests that could have been avoided with real-time visibility.

In multi-shift environments, the lack of a structured device-tracking strategy compounds the problem. Devices move between departments, sit in untracked charging areas, or are stored in nonstandard locations.

Without data on device location or health, organizations have limited control over a critical operational asset. Over time, this lack of visibility leads to increased replacement cycles due to

- Devices assumed lost are replaced prematurely.
- Underutilized equipment sits idle while new purchases are approved.

The result is a higher total cost of ownership and a reduced return on mobility investments.

Operational Efficiency Through Real-Time Device Intelligence

Centralized tracking provides immediate operational clarity. IT and warehouse leaders gain real-time insight into device locations across facilities, departments, and workflow zones. Instead of searching manually, teams can identify the last-known locations of assets and determine whether they are in use, idle, or offline.

This visibility delivers measurable operational improvements. Workers spend more time completing tasks and less time searching for equipment. Shift transitions become more efficient because devices are accounted for and readily available. Supervisors maintain workflow continuity without interruption. IT teams reduce time spent responding to avoidable support tickets.

Beyond location awareness, usage intelligence delivers additional operational value. Tracking utilization patterns shows whether assets are evenly distributed across departments. Organizations can identify overused devices at risk of failure and underused devices that can be redeployed. Visibility into location, battery condition, and activity status strengthens accountability and enables proactive operational decisions.

Reducing Annual Replacement Costs Through Lifecycle Visibility

Device tracking directly influences financial performance by improving lifecycle management.

When organizations understand device usage, health, and availability, replacement decisions become strategic rather than reactive. Equipment is replaced based on condition and



performance data rather than assumptions.

Proactive lifecycle oversight extends asset lifespan. Monitoring battery health, utilization intensity, and operational status enables early intervention before failure. This reduces emergency replacements, minimizes downtime, and improves budget predictability.

Organizations also gain the ability to optimize procurement decisions. With accurate inventory and utilization data, **leaders** can align purchasing with actual operational demand. Redundant purchases decline, refresh cycles stabilize, and capital investment becomes more controlled and predictable.

Building a Scalable Mobility Environment

Mobile device tracking is more than just an asset recovery tool—it is a foundation for operational control.

When location intelligence is combined with usage monitoring and lifecycle visibility, organizations gain a unified view of mobility performance across all facilities.

This level of control enables scalability: standardized tracking practices ensure consistent device management across locations, and leadership gains enterprise-wide visibility that supports performance benchmarking, resource planning, and operational governance.

Mobility becomes measurable and aligned with operational performance goals.

Summary: How Data Solves Mobile Device Management Problems

Lost Devices, usage, and device health data can be used effectively

1. Reduces equipment costs
2. Increase productivity
3. Create a controlled, scalable environment

Data Type	Problem Caused	SMG3 Solution
Lost Devices	<ul style="list-style-type: none"> ● Premature replacement ● Lost productivity ● Multi-shift inefficiencies 	<p>Warehouse workflow evaluation and mobile environment assessment</p> <p>Strategic plan to optimize usage and replacement</p> <p>Integrated MDM, Golden Image, and applications to track device location, health, and usage.</p> <p>Data visibility and device management through the SMG3 EDGE online client portal.</p>
Usage	<ul style="list-style-type: none"> ● Sub-optimal placement of devices ● Over/under usage of equipment 	
Health	<ul style="list-style-type: none"> ● Premature replacement ● Unanticipated device failure and lost productivity 	



How SMG3 Can Help

Strategic Mobility Group delivers centralized visibility into mobility through solutions that track device location, monitor usage, and provide actionable lifecycle intelligence across operational environments. With SMG3's EDGE PinPoint, organizations gain real-time insight into device locations and their performance across facilities.

This unified visibility enables faster asset recovery, improved utilization, and proactive lifecycle management. When combined with deployment expertise, managed mobility services, and operational consulting, SMG3 helps organizations standardize device environments and implement scalable mobility strategies that reduce downtime and control device-related costs.

About SMG3

Strategic Mobility Group helps organizations optimize operations through enterprise mobility strategy, device lifecycle services, and secure management solutions. With deep experience in warehousing, manufacturing, and healthcare environments, SMG3 focuses on enabling reliable mobility infrastructure that supports productivity, resilience, and long-term operational success.

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