

Plant floor operations

How the intelligent, adaptive plant floor comes to life



Evolve manufacturing workflows with a single device purpose-built for the factory floor.

Samsung plant floor operations solutions empower factory workers with a durable and versatile mobile experience that connects people, machinery and data for real-time, predictable and secure production.

High-performance processing, advanced imaging and seamless connectivity align speed, quality and safety in a purpose-built, rugged device — keeping plant floor workers productive in the most demanding environments. Drive operational efficiency and automation with a unified mobile dashboard of connected systems and real-time data through a single device, enhancing visibility and strengthening supply chain resilience. With secure, scalable deployment and a flexible ecosystem of partner applications and mounting solutions, Samsung plant floor solutions exceed requirements, from the forklift to the front pocket.

Key features



MIL-STD-810H and IP68-rated devices withstand harsh factory floor conditions.¹



Swappable, long-lasting batteries provide reliable power that outlasts the longest shifts.^{2,3}



Reliable connectivity with industrial 5G and Wi-Fi 6 wireless networks keeps people, sensors and machinery connected.⁴



Bright, responsive touchscreens and vibrating alerts keep teams focused on the work at hand, even when wearing gloves.⁵



High-resolution cameras capture and scan every detail to ensure the highest quality standards.



Knox military-grade security and manageability ensure smooth, secure device ecosystems across IT and OT, at scale.⁶

Transform plant floor operations with connected mobility

Empower workers with real-time access to the tools and information they need most.



Integrate workflows

Integrate workflows at factory speed with a single, purpose-built device that provides a complete view of plant floor operations. Samsung Galaxy smartphones and tablets deliver compact, versatile mobility that accelerates throughput with high-performance processing and advanced imaging to align pace, quality and safety. Rugged durability and swappable, long-lasting batteries ensure devices keep performing across demanding shifts.^{2,3} When the factory floor grows busy, bright touch-sensitive screens and vibration alerts help workers stay on task and productive — even while wearing PPE.⁵



Digitize operations

Digitize the plant floor with mobile-first innovation to drive new operational efficiency and ROI. Samsung plant floor solutions bring disconnected systems into alignment with mobile dashboards for greater visibility across multiple manufacturing workflows. Improve supply chain resilience and traceability with real-time analytics and sensor data viewed on a mobile screen. Together, this mobile-first approach powers the move from reactive to predictive operations.



Secure the ecosystem

Drive efficiency and security at the intersection of IT and OT. Samsung Knox empowers teams to easily deploy, manage and scale plant floor device ecosystems in sync with evolving business strategies. Combine military-grade security with next-gen network connectivity across machine and factory operations to keep workers and machinery safe and in sync. As workforces evolve, Galaxy devices empower teams to capture and transfer knowledge for easy upskilling. Samsung's robust partner ecosystem delivers further flexibility with mounting solutions and applications that adapt to any role or location on the plant floor.⁷

Plant floor operations devices at a glance

Tablets



Galaxy Tab Active5 (8 inch)
Galaxy Tab Active5 Pro (10.1 inch)

MIL-STD-810H certified, IP68-rated tablets designed for use in challenging industrial environments.¹

Smartphones



Galaxy XCover7 Pro

Durable smartphones featuring MIL-STD-810H, IP68 water/dust resistance and a 6.6-inch FHD+ screen that supports glove-touch.^{1,5}



Security and Management

Samsung Knox Suite to deploy, manage and secure plant floor operations solutions at scale.⁶

For complete product information and accessories, visit <https://www.samsung.com/us/business/solutions/industries/manufacturing/>
Product support: 1-866-SAM4BIZ | Follow us: [youtube.com/samsungbizusa](https://www.youtube.com/samsungbizusa) [@SamsungBizUSA](https://twitter.com/SamsungBizUSA)

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1. These devices passed military specification (MIL-STD-810H) testing against a subset of 21 specific environmental conditions, including temperature, dust, shock / vibration and low pressure / high altitude. Real-world usage varies from the specific environmental conditions used in MIL-STD-810H testing. Samsung does not guarantee device performance in all extreme conditions. Rinse residue / dry after wet. Average expected performance based on typical use. Results may vary. 2. Consistent with IP68 rating, water-resistant in up to 5 feet of water for up to 30 minutes. Rinse residue / dry after wet. 2. Based on average battery life under typical usage conditions. Average expected performance based on typical use. Actual battery life depends on factors such as network, features selected, frequency of calls, and voice, data, and other application usage patterns. Results may vary. 3. The Galaxy Tab Active5 replaceable battery is sold separately. In the case of extra replaceable batteries, only Samsung-certified products are compatible for use. 4. Connectivity options may vary by device and geographic area. Talk to your Samsung sales representative to learn more. 5. Touch sensitivity increases responsiveness for leather gloves 2mm or less in thickness, based on internal laboratory test results. Devices can be used in wet environments, but not fully submerged under water. Underwater touch is not available. Touch-responsiveness may vary depending on the material and thickness of gloves as well as other environmental conditions. 6. Knox Suite requires separate license.