



Automated End-to-End Secure SIM and Device Life Cycle Management for Industrial Operations



Save time

with faster, error-free SIM & device onboarding



Strengthen asset management

with visibility behind routers



Improve network security

with granular device access control



Reduce Risk of lateral movement

with Perdue-aligned segmentation

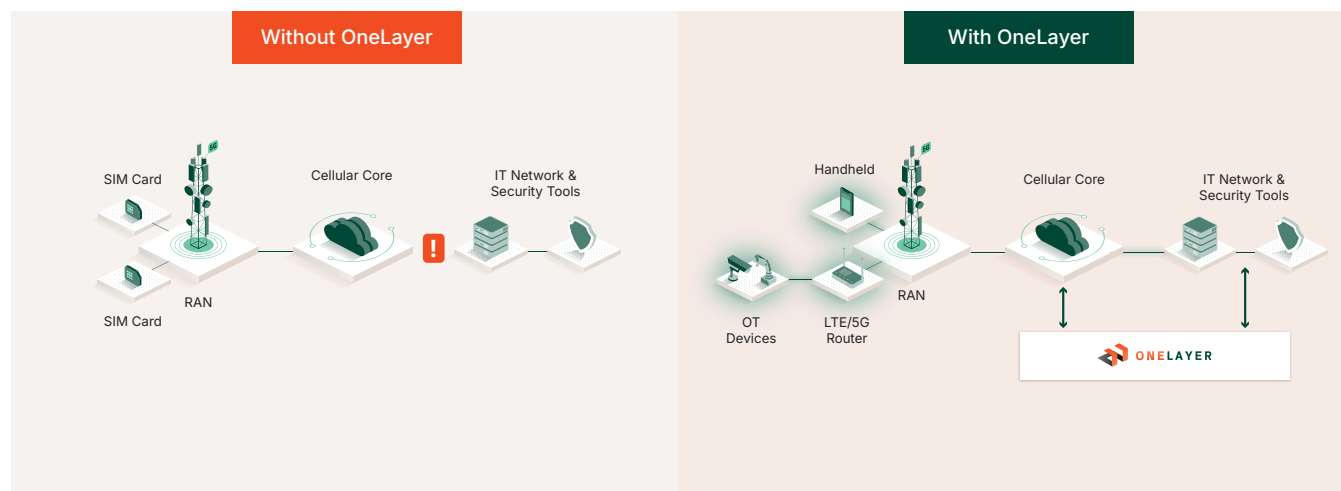
Growing interest in private 5G/LTE for industrial operations is driven by the need for greater network performance, reliability, and secure connectivity across IT and OT environments.

The Problem:

Cellular Device Onboarding Doesn't Match IT/OT Workflows

Cellular and IT/OT networks have evolved independently for years, leaving enterprises challenged to manage environments that rely on SIM identities rather than IP-based devices. Because of this fundamental difference, established IT/OT onboarding processes do not align with SIM-centric workflows, creating unnecessary complications during device activation, and often leading to long troubleshooting cycles, even for a single cellular device.

This incompatibility, which already limits visibility of SIM-enabled devices, becomes an even bigger challenge for noncellular devices. These devices, such as cameras, sensors, and robots, lack SIM cards and must rely on a router or adapter to join the cellular network. This creates a major blind spot, making it impossible to confidently enforce access control and segmentation policies across the entire network.



Streamline Cellular Device Onboarding with Familiar IT/OT Workflows

OneLayer Bridge creates the critical link between private cellular infrastructure and enterprise IT and OT systems. Using device fingerprinting, OneLayer discovers, classifies and validates all connected assets, including those hidden behind routers and adapters, to provide unified visibility across cellular and non-cellular environments.

Build a Foundation of Trust: Onboard, Observe, and Protect Every Device

OneLayer brings together onboarding, observability, access control, and segmentation to secure every asset and maximize the value of private cellular networks.

Use Case	Solution	Outcome
Automated SIM & Device Onboarding	Automated activation, validation and onboarding with remediation support for disconnecting devices	Faster onboarding with verified SIM-to-device integrity and fast disconnection resolution
Device Observability	Fingerprinting identifies all devices, including those behind routers	Eliminates blind spots and strengthens asset management
Device Access Control	Control network access based on device identity, even behind routers and adapters	Reduced risk from unapproved and rogue devices, improving network security and compliance
Zero Trust Segmentation & Orchestration	Continuous authentication and Purdue-aligned segmentation based on identity, behavior, and risk	Reduces lateral movement and strengthens threat containment

Bring Your Own Network: OneLayer Works with Your Preferred Core

OneLayer is vendor-agnostic, integrating with the leading core network vendors and a wide ecosystem of device manufacturers.

