

Automated Onboarding, Visibility, and Zero Trust for Utility Private LTE and MNO Networks

As cellular connectivity becomes foundational to utility operations, success increasingly hinges on the ability to manage scale, security, and operational complexity across diverse environments.

The Challenge:

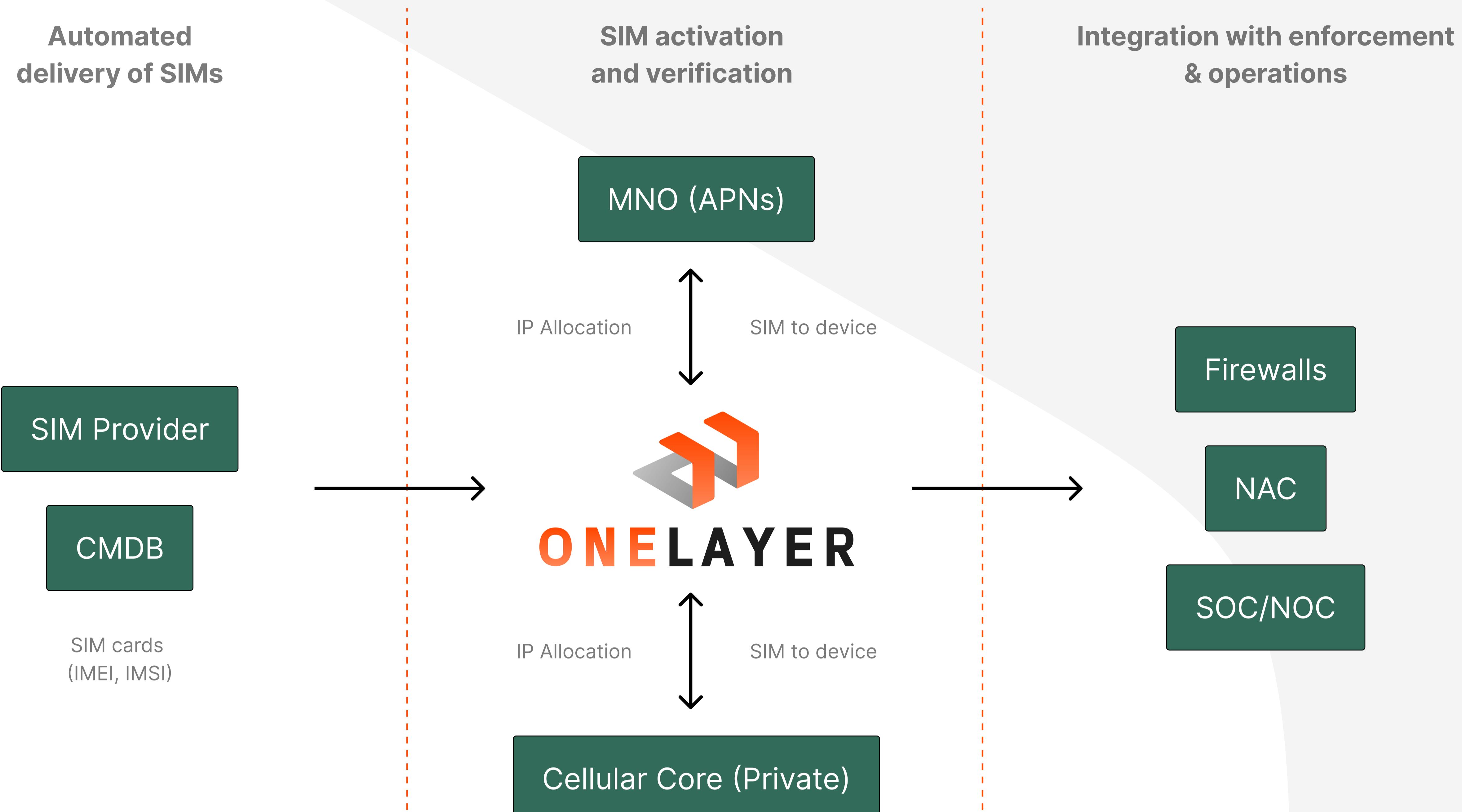
Complex Onboarding and Fragmentation Stall Modernization

In recent years, power utilities have deployed a combination of private LTE/5G networks and mobile network operator (MNO)-provided connectivity to modernize operations and support critical field connectivity. But many quickly discover core challenges. Device onboarding at scale in private networks is far more complex, insecure, and time-consuming than expected. Meanwhile, MNO deployments create a fragmented device and connectivity landscape that limits enterprise visibility and control. This leaves private networks underutilized and limited in the value they can deliver, while teams relying on MNOs have difficulty supporting business-critical operations and maintaining operational excellence.

The Solution:

Secure, Unified Onboarding and Observability for Cellular Operations

OneLayer provides secure, automated onboarding, full visibility across every cellular and downstream asset, and granular access control. By verifying that device and SIM identities align during activation, utilities can reduce onboarding errors, prevent misconfigurations, and accelerate time to value. OneLayer also provides a single pane of glass, extending full asset visibility across private networks, MNO networks, and hybrid environments. Together, these onboarding, visibility, and security capabilities give utilities the governance and operational backbone required to run and expand private cellular networks reliably and securely.



| Use Case | Solution | Outcome |
|--|--|--|
| Secure SIM Onboarding & Lifecycle Management | Automated SIM provisioning and activation. SIM-to-device validation. CMDB enrichment. | Faster time-to-value from rapid onboarding with fewer errors |
| Single pane of glass Observability | Fingerprint all devices. Reveal assets behind routers. Multi-APN visibility. | Simplified network ops from unified visibility and blind spot elimination. |
| Troubleshooting device disconnections | Automated root cause analysis. Correlated logs and telemetry. Rapid resolution. | Faster resolution and SLA compliance with lower support overhead. |
| Access Control | Identity-based network access control for all devices, including those behind routers. | Reduced risk, stronger security and compliance by blocking risky devices. |
| Segmentation | Continuous authentication and device segmentation based on identity, behavior, and risk. | Reduced risk of lateral movement with effective threat containment. |

Automating Secure, Scalable Private LTE/5G Operations

Confidently Scale Private LTE With Full Visibility, Control, and Resilience

With OneLayer, utilities fully use and confidently scale their private LTE/5G and MNO networks, unlocking the operational value and ROI that these networks were built to deliver. By unifying onboarding, visibility, and device-level security, utilities can reduce risk, strengthen cyber resilience, and modernize with confidence.

