

Use Case:

Inventory and Asset Management Optimization

with ADR & NIM

Problem Statement:

Managing network inventory and assets effectively is critical for telecom operators to ensure smooth operations and resource allocation.

Comparing ERP asset records with discovery inventory data (from ADR & NIM) revealed discrepancies. Equipment and assets were not consistently tracked throughout their lifecycle, leading to gaps in assetization processes, and items like SFP modules and cards were often unaccounted for or misplaced in the field, causing delays and increased costs during deployment and replacement.

Solution Overview:

To address these challenges, the operator leveraged ADR & NIM for comprehensive inventory and asset management.

- **Data Reconciliation:** Cross-referenced ERP asset records with ADR & NIM discovery inventory data to identify and resolve mismatches in real-time.
- **Lifecycle Assetization Controls:** Introduced controls to ensure timely assetization of equipment during specified periods, enabling accurate lifecycle tracking.
- **Equipment Recovery:** Enhanced tracking mechanisms to locate and recover missing equipment (e.g., SFPs and cards), minimizing losses and ensuring availability for critical deployments.
- **Automated Process Monitoring:** Automated monitoring of installation and change processes to streamline equipment dispatch to the field, ensuring timely and efficient operations.

About TechNarts

TechNarts is a leading **OSS provider** with deep expertise in telecom software **since 2007**. Through its **NART OSS Suite** product family, it delivers modular, future-proof solutions for **Resource Management, Network Assurance and Network Fulfillment & Orchestration**. Its systems align with **TM Forum's ODA and Open APIs**, helping operators boost service reliability, optimize resources, and accelerate digital transformation.

Result:

The operator achieved more accurate, well-tracked inventory and asset management, with tangible cost and efficiency gains.

- **Enhanced Inventory Accuracy:** Reconciling ERP and ADR & NIM data improved data accuracy.
- **Precise Asset Tracking:** Enabled precise tracking of assets throughout their lifecycle.
- **Lower Replacement Costs:** Located and accounted for lost SFPs and cards, significantly lowering replacement costs.
- **Reduced Deployment Delays:** Automated oversight of installation and change processes reduced delays in deploying equipment to the field.
- **Improved Budget Control:** Timely assetization and accurate inventory records minimized financial discrepancies and improved budget control.