

AN L4 challenge: Empowering Level 4 autonomous networks to self-optimize, self-heal, and deliver unparalleled efficiency with zero-touch intelligence. Reduce operational costs by 30% through automation



















qvʌntel

by Telkom Indonesia





M25.0.792











AN L4 challenge: Empowering Level 4 autonomous networks to self-optimize, self-heal, and deliver unparalleled efficiency with zero-touch intelligence. Reduce operational costs by 30% through automation





The solution:

This Moonshot Catalyst showcases a fully autonomous Level 5 network, leveraging enhanced observability, knowledge graphs, and AIOps-driven closed loops to detect, diagnose, and resolve issues autonomously. It boosts CSP service quality, drives efficiency, and sets a new industry benchmark for scalable, intentdriven networks.



Addressing the challenge:

- Implements an intent-based framework (Intent > Awareness > Analysis > Decision > Execution) for autonomous operations.
- Integrates observability, knowledge graphs, and AIOps for self-detection and resolution of network issues.
- Leverages Generative AI to boost service quality, responsiveness, and scalability.
- Sets a new standard for intent-driven, adaptive networks that enhance efficiency and customer experience.

NOKIA

Champions:











tmforum



- This Catalyst project pushes the boundaries of digital operations by demonstrating a fully autonomous network at Level 4 capability.
- Uses Digital Twins to test configurations, reduce failure risk, and accelerate sales by improving service feasibility checks.

Participants:











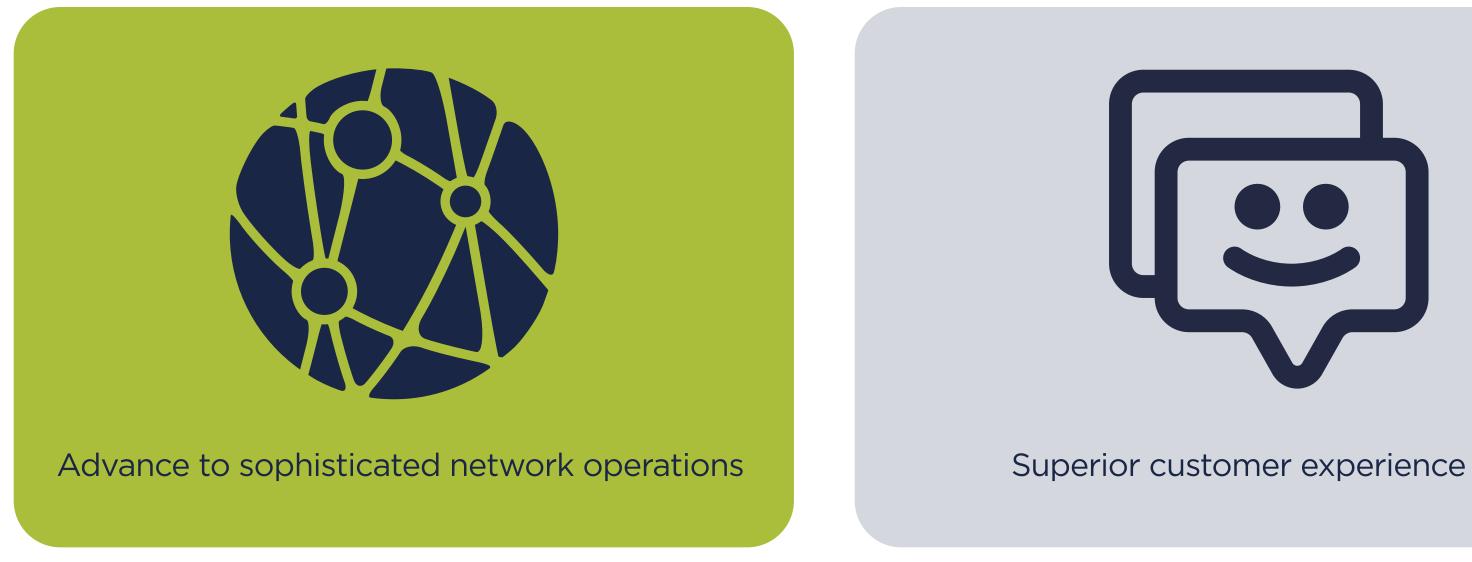


qvntel



AN L4 challenge: Empowering Level 4 autonomous networks to self-optimize, self-heal, and deliver unparalleled efficiency with zero-touch intelligence. Reduce operational costs by 30% through automation





Champions:











tmforum



M25.0.792

FIND OUT MORE



Cost optimization with

first-time right service delivery

Participants:





qvʌntel NOKIA









AN L4 challenge: Empowering Level 4 autonomous networks to self-optimize, self-heal, and deliver unparalleled efficiency with zero-touch intelligence. Reduce operational costs by 30% through automation



Sebastian Zechlin

Lead Architect OSS

Achieving full network autonomy will enable DT to deliver superior quality to our customers, unlock new business opportunities, and accelerate time-to-market. By enhancing operational efficiency, autonomous networks will drive significant value across our operations. We believe intent-driven networks are a key enabler for advancing automation and realizing this vision of complete network autonomy.

Champions:















Participants:





NOKIA







