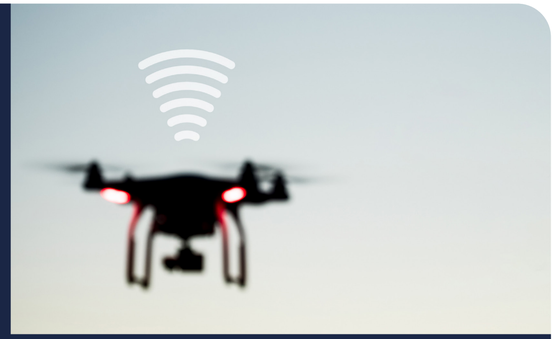
Open Innovation Catalysts

Autonomous and sustainable IOT ecosystems at scale – Phase II

Maximizing business value and monetization opportunity for new generation networks in support of energy-efficient and scalable dynamic IoT deployments.

The solution:

This Catalyst is focused on how to scale the management of large numbers of IoT devices that move - such as cars, robots and drones. Their solution offers energy efficiency and seamless service delivery to remove the barriers to autonomous and sustainable IoT ecosystems.



Addressing the challenge:

An **AI-powered platform** that uses event streaming, machine learning, and intent-based networking to manage **moving IoT devices autonomously**:

- **Dynamic Orchestration** of network slices, services, and edge compute
- **Intent-Based Networking** – AI translates needs into real-time actions
- **Real-Time Edge Handover** – Seamless service continuity as devices move

Our Phase II Catalyst pushes the boundaries of IoT management – we're showing that a swarm of moving devices can be managed autonomously at scale without sacrificing service quality or sustainability.

This Catalyst project not only addresses a critical IoT challenge but also charts a path for the telecom industry to embrace AI-driven automation for scalable, sustainable growth. It embodies how technology innovation (AI, 5G, edge cloud) combined with industry standards can unlock autonomous IoT ecosystems that are profitable for businesses, transformative for industries, and responsible towards society and the environment.

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Business impact:

Autonomous, **intelligent IoT networks at scale = new revenue on the top line**, and greener, leaner operations on the bottom line.

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Find out more: