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Telenor's Road to Commercializing the Edge



4G



5G



6G



Dynamic pricing: from closed to open networks

- Enhance digital experiences, improve performance, support data security and enable continuous operations in every industry.



AI Infrastructure

Hardware and software needed to create and deploy AI-powered applications

Enables developers to effectively create and deploy AI and machine learning (ML) applications and ensure fast response times, user experience, cost optimization, and scalability.

5G Edge Cloud

Virtualize the cloud beyond the four walls of the data center

Edge computing brings computation and data storage closer to where data is created by people, places, and things. Operations and maintenance tasks can be carried out by Telenor as far as possible

5G Network Slicing

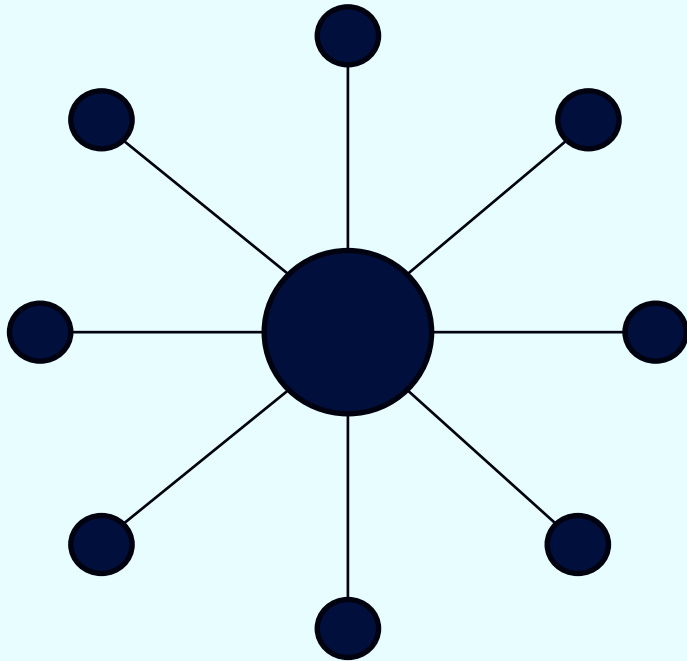
Dynamic and fit-for-purpose virtual networks

Enables new business opportunities across a wide range of use cases and sectors where customers can benefit the commercial infrastructure and solutions adapted to their specific needs

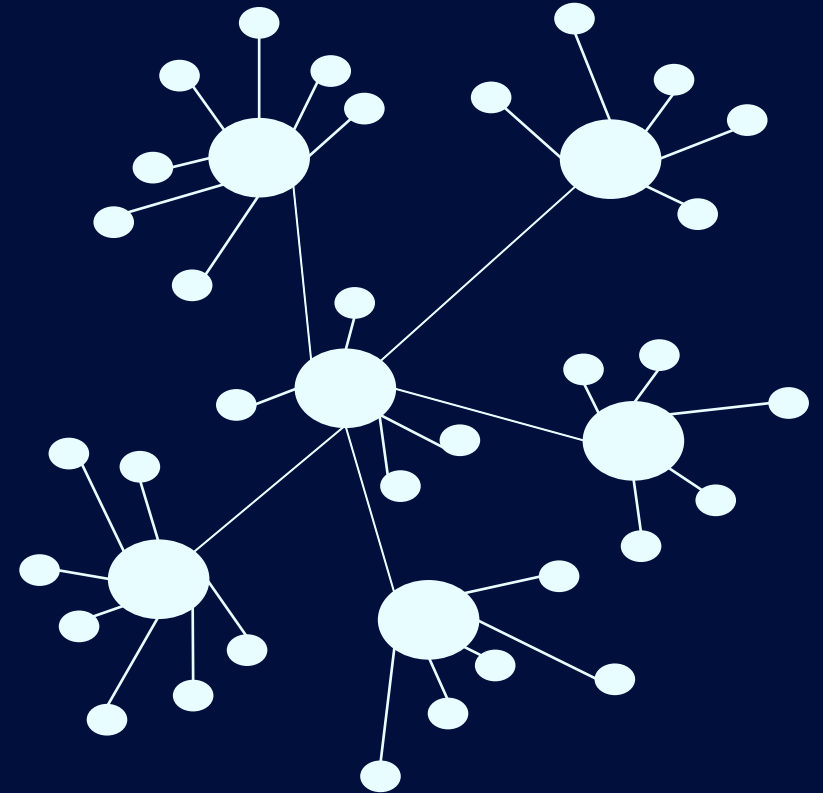


Vision vs reality!

Centralization

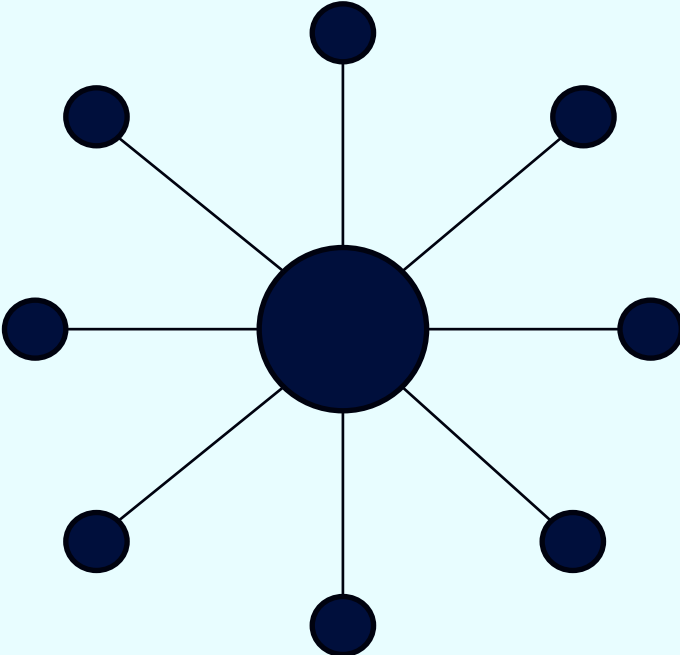


Decentralization

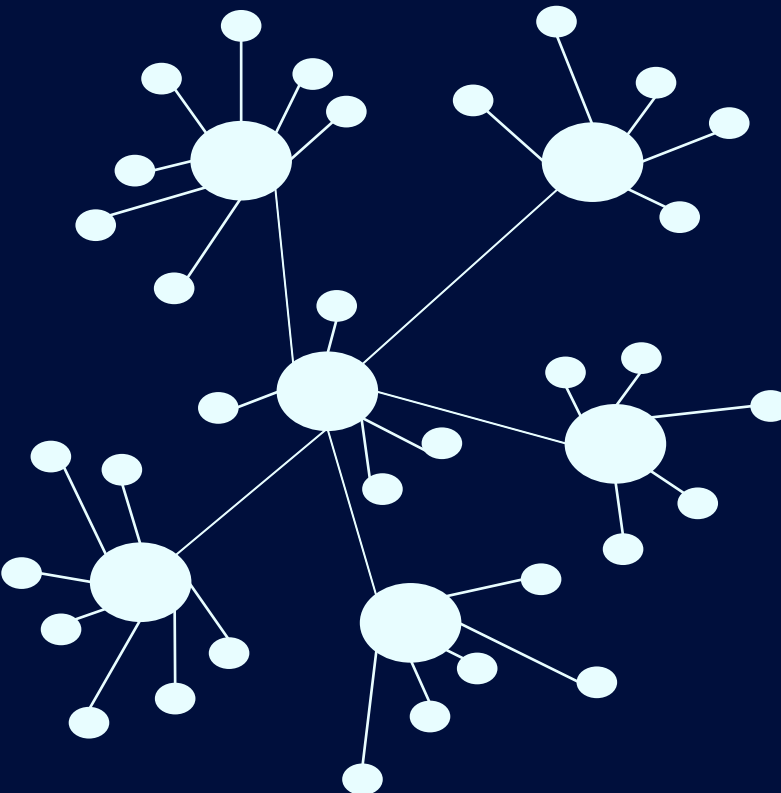


Vision vs reality!

Manual

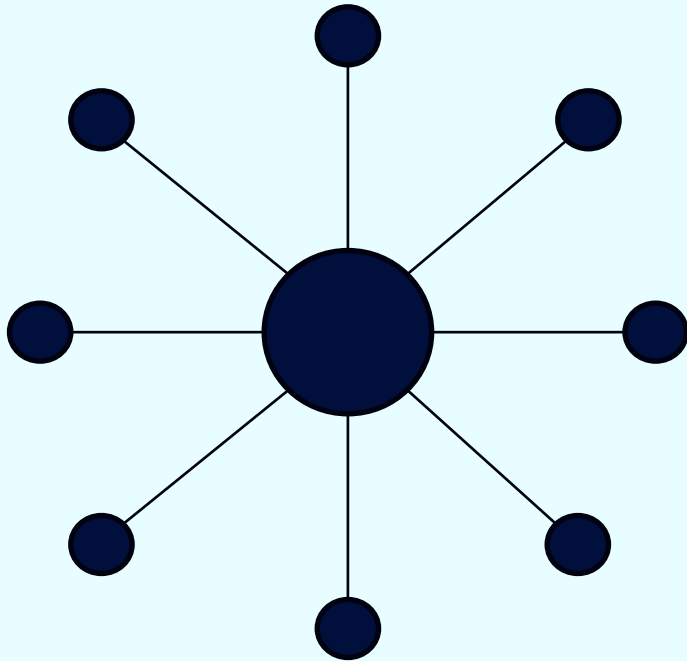


Automated

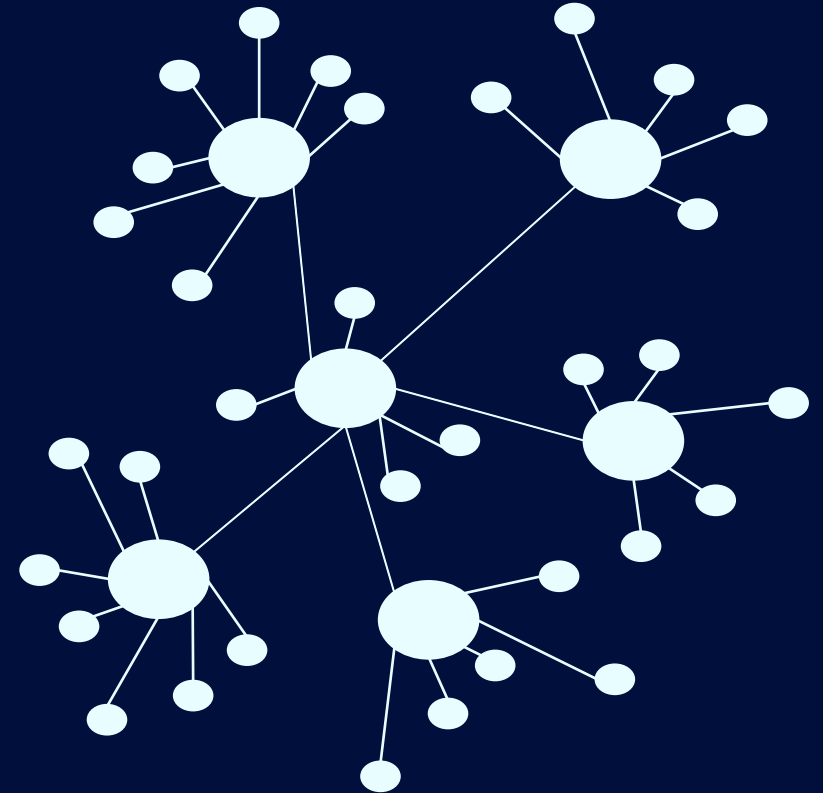


Vision vs reality!

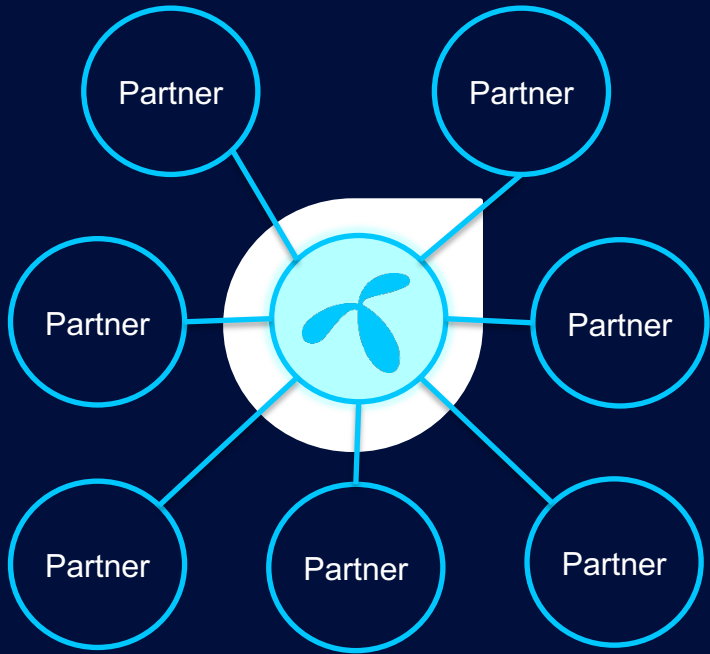
Single-Vendor



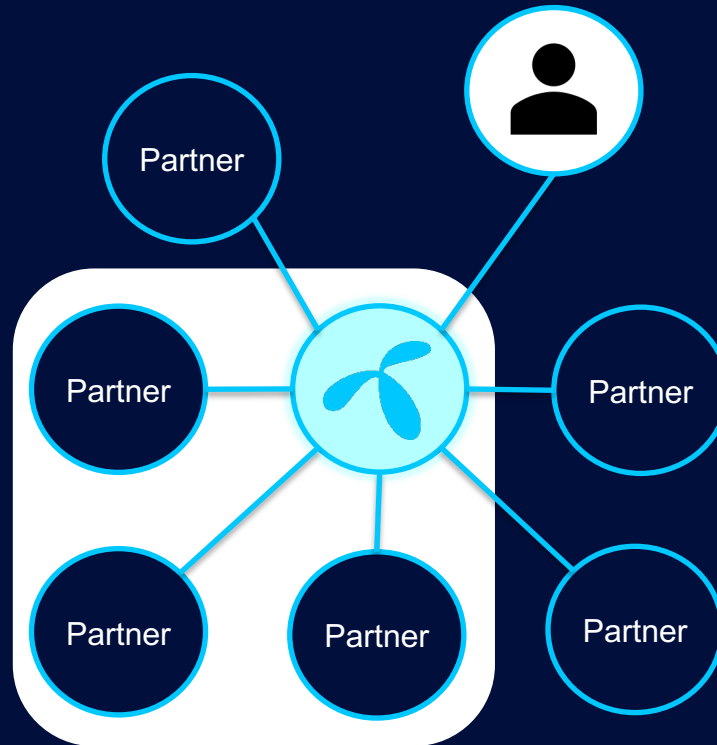
Multi-Vendor



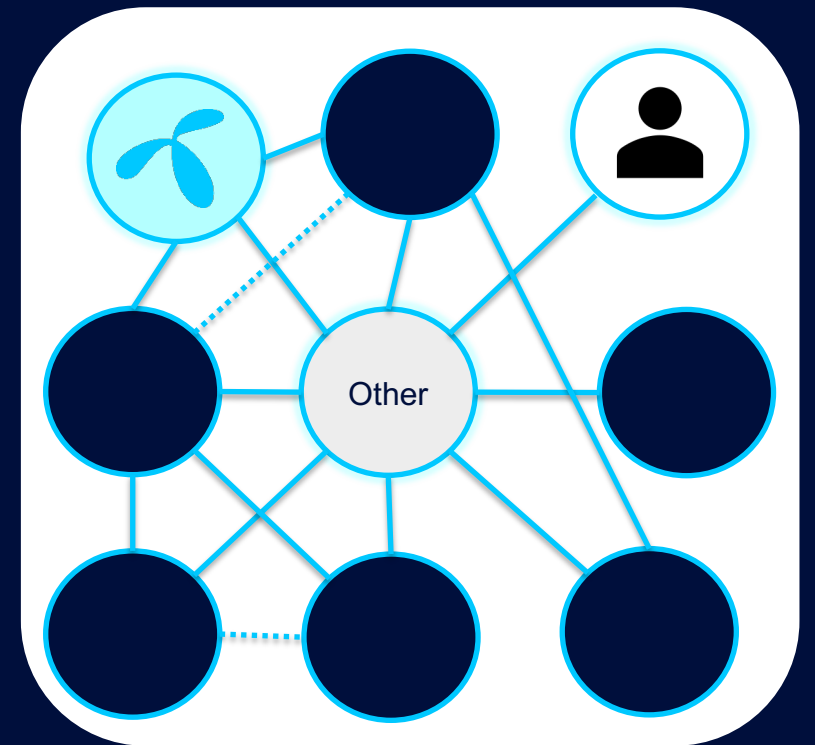
Traditional



Closed



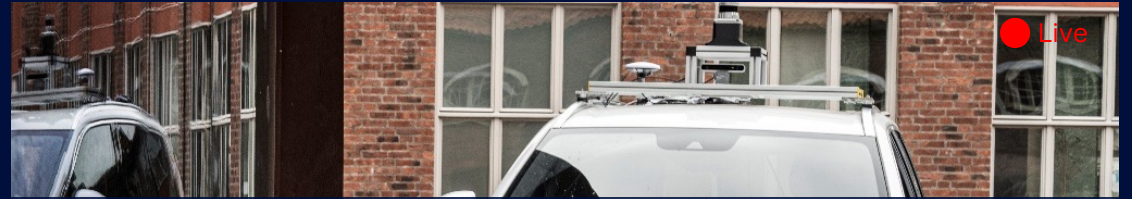
Ecosystems





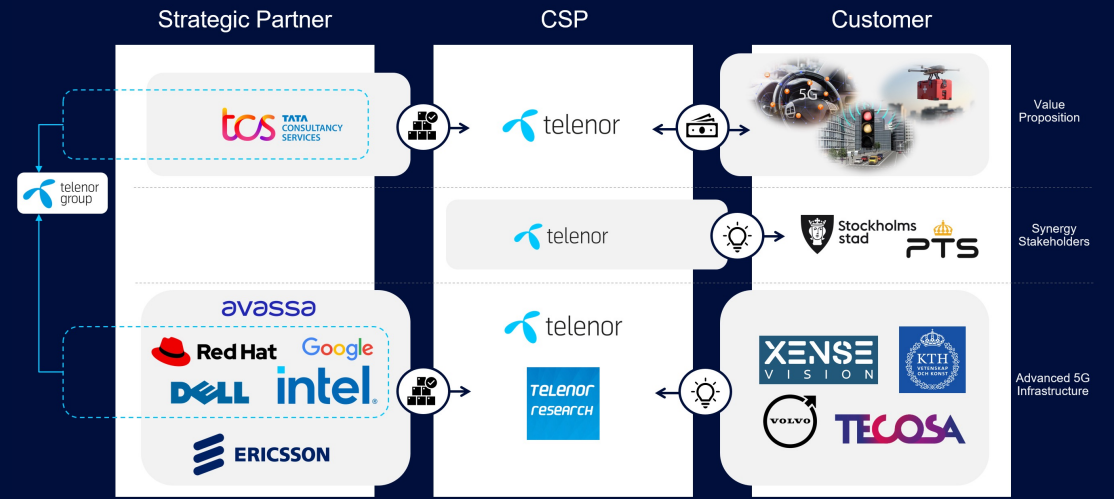
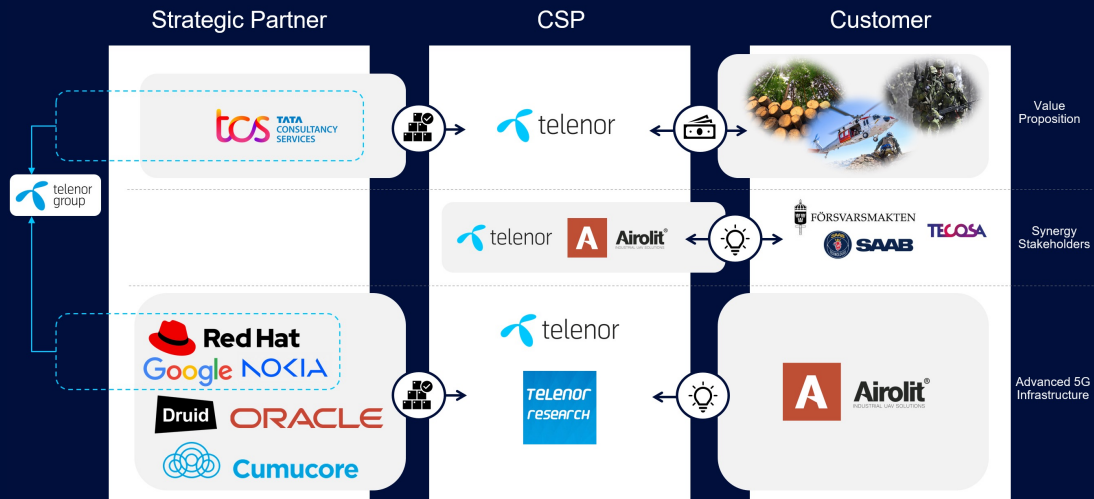
5G Drone App

Equip Drones with 5G capabilities
Increase 5G coverage with Drones



Drive App

Connected intersections and autonomous cars
Situational awareness systems using 5G and Edge Cloud





An alliance of 800+ global companies working together to achieve business agility, simplifying heavy integrations in both homogeneous and heterogeneous IT environments. TM Forum Open APIs are transforming the way Telcos approach integration, leading to more agile, cost-effective, and innovative service offerings.

Simplicity

Providing a **standardized set of interfaces** that enable seamless connectivity, interoperability, and portability across complex ecosystem services on a national to global scale.

Provide a **simpler experience for developers**, which is crucial for creating industry-specific applications

Competitiveness

Autonomous Networks and intent-based APIs will lead to significant **cost-effective network** management and operations.

Facilitate a **faster 'time to deliver value'** by accelerating the deployment of new services and products through plug-and-play software integration.

Innovation

Enable digital transformation, allowing for better scalability and agility to **drive innovation and growth** within the industry, positioning businesses to take advantage of new opportunities.

Supporting **modern architectures** such as event-driven architectures and intent-based automation.



1

Edge ordering

Based on Telco Edge resources in a multi-tenant environment and real-time compute.

Pricing example based on hour.

2

Sovereign Edge

A platform to scale innovations for all sectors following telco principals.

Value added processor power for AI applications through GPU's

3

Google Edge

Able to be future multi-vendor Hyperscaler integrated when it brings value for the end-customer.

4

Network Slicing

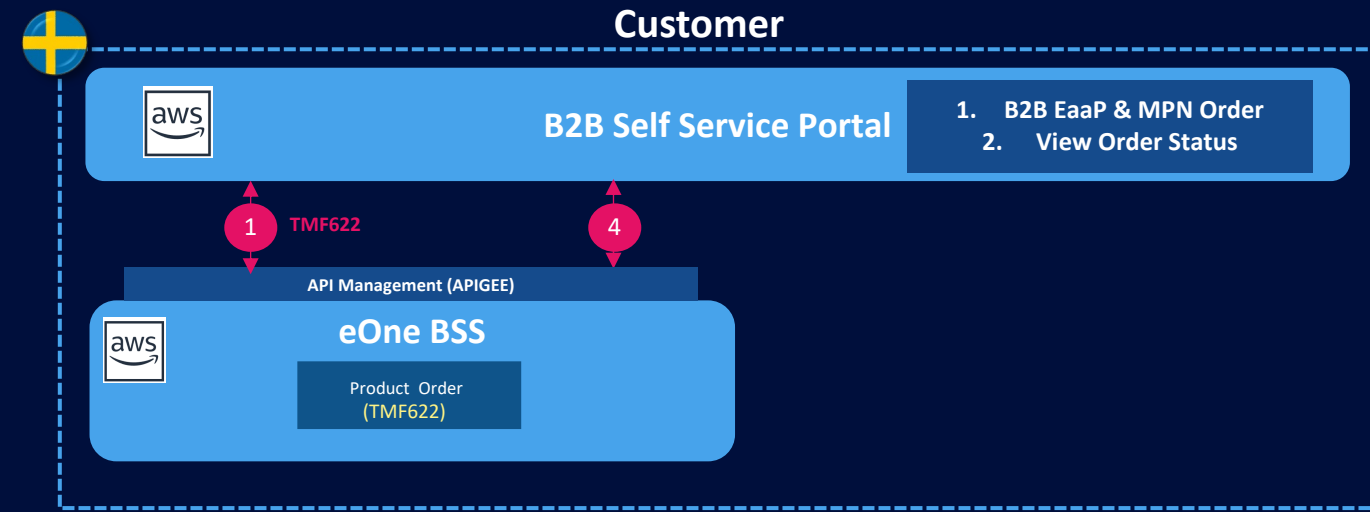
Advanced 5G test-network available in Telenor R&I Oslo/Fornebu.

Pricing example based on device.

TMF622 Product Ordering Management API REST

Standardized mechanism for placing a product order.

The product offer identifies the product or set of products that are available to a customer, and includes characteristics such as pricing, product options and market.



5G Transformation

127.0.0.1:5173/welcome

Business Private Wholesale

English

WebMail

What are you looking for?

Log in

My Company

The self-service portal for you who are a business customer. Here you can get an overview of your business subscriptions, manage services, invoices and much more.

[Log in to My Company](#) [Get started with My Business](#)

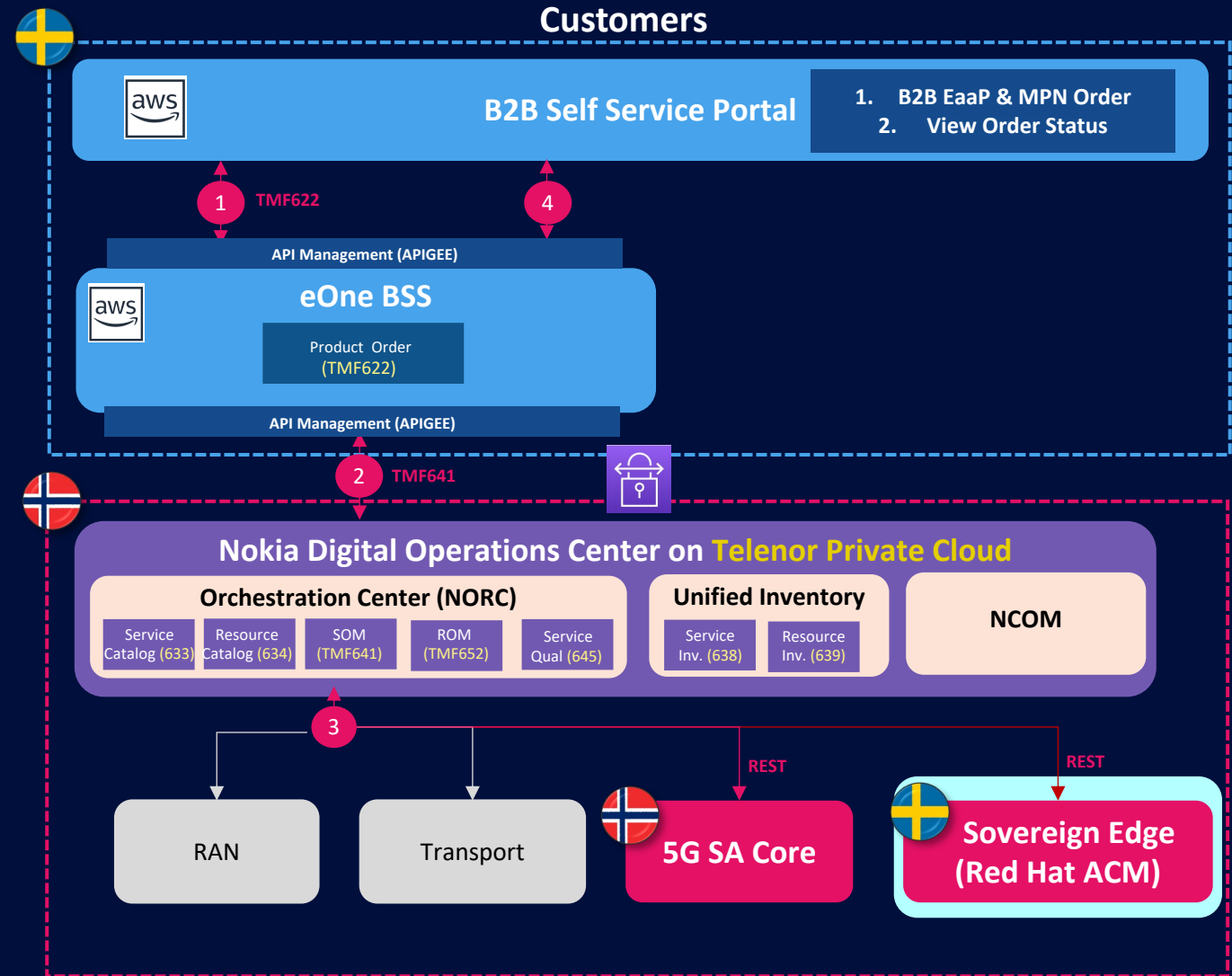


TMF641 Service Ordering Management API REST

Providing order fulfillment and order status. Possible actions that are creating, updating and retrieving Service Orders (including filtering).

Automated Deployment

From the Telco perspective follow how the order are triggered and deployed into the Edge infrastructure in Stockholm.



Logging in to NCOM's GUI to observe ongoing operations triggered via northbound integration.



Collaboration is key between research and business in partner ecosystems to scale innovation!

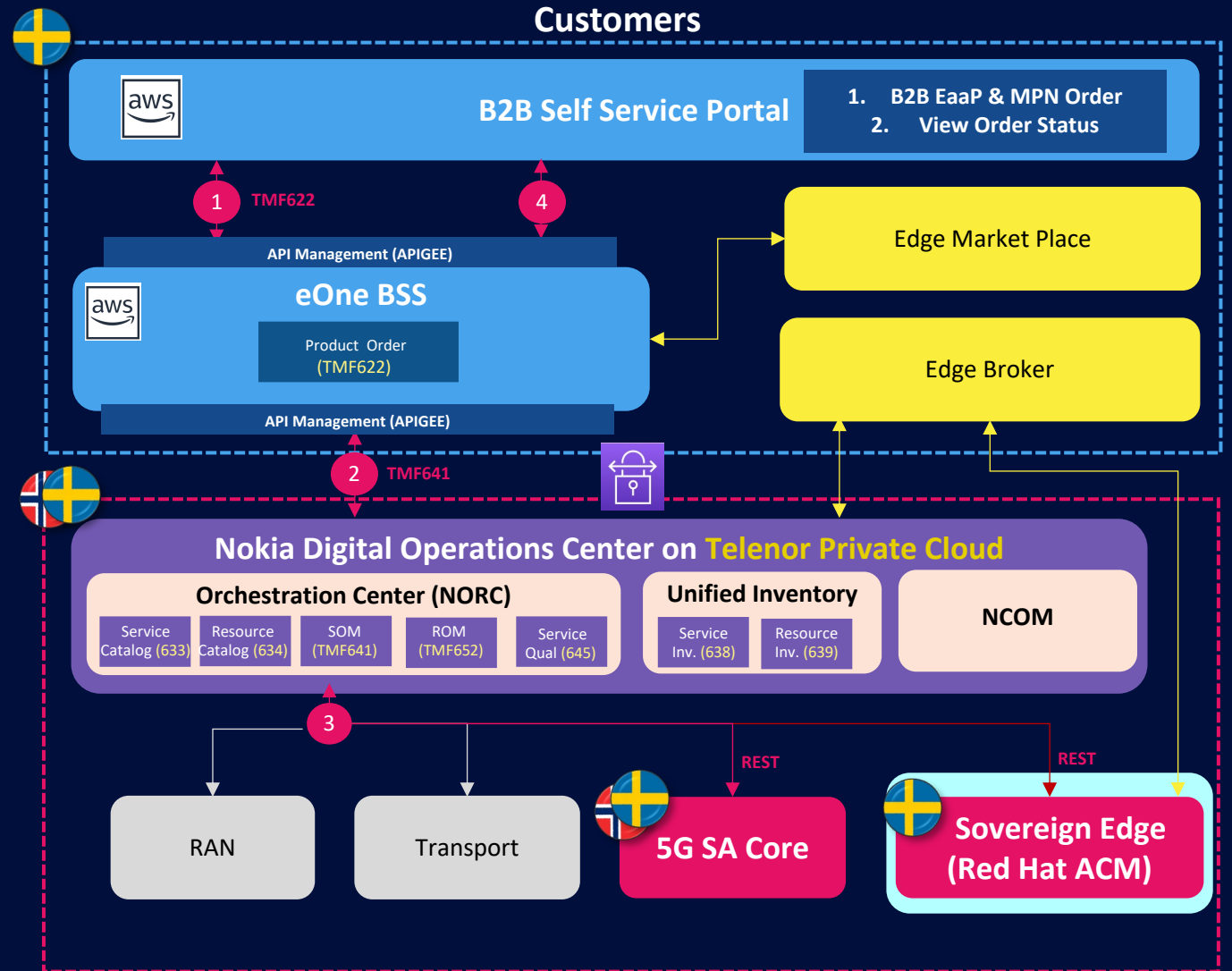


Edge portal openness enables Telenor to leverage best of breed services from partner ecosystems.

Standardization is key to scale other open ecosystem services like Nokia, Ericsson, HPE, Hyperscalers, Cisco etc.

Red Hat can add Infra capabilities such as logging, monitoring, automation, mesh, AI model building etc automatically test and deploy in real-time.

Modern architectures and cloud-native by design is fundamental to use the value of advanced 5G services.





Thank you!

