



Cisco Service Provider Strategy

Pablo Gonzalez Ornia
Cisco Lead Architect-CTO for SP France



Need for Service Providers to keep evolving

Market



Value Creation



Sovereign & Security



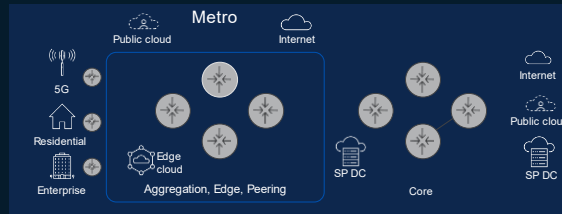
Sustainability



AI /
Autonomous Networks

Architecture

Service delivery is
changing



- **Quality of Experience is key**
- Moving closer to end-user
- Evolving network architectures

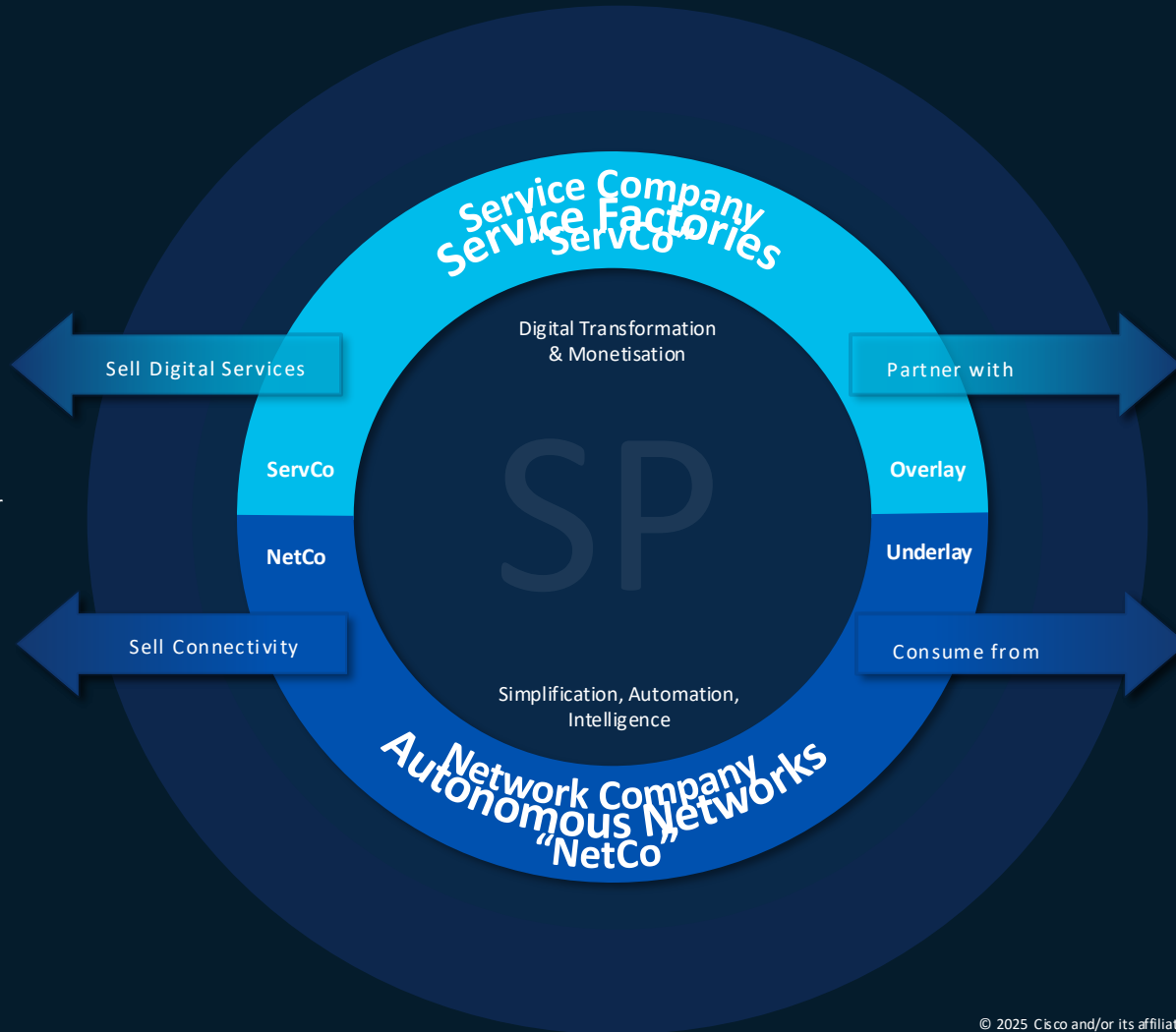
Organisation

Independent entities
within telcos



MARKET

Enterprises
Public Sector
Consumer



ECOSYSTEM

Hyperscalers

OTT

Industries

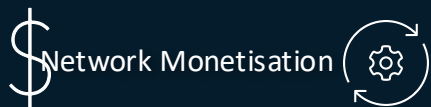
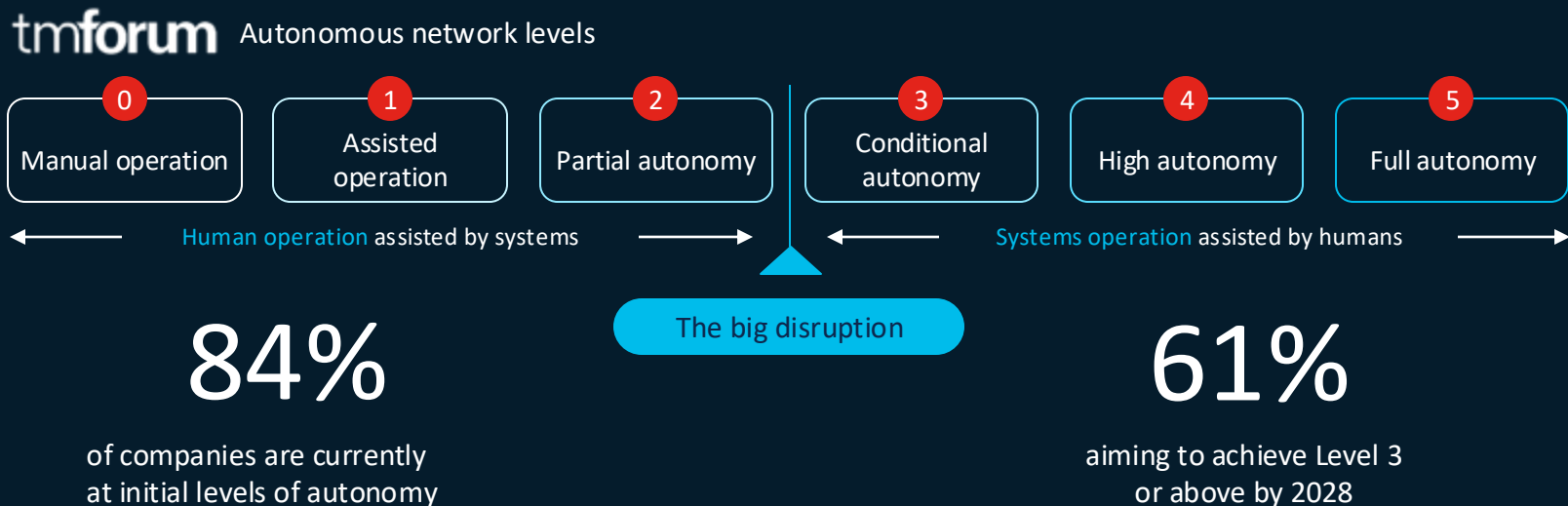
Hyperscalers

Carrier Neutral
Providers

“An autonomous network consists of a **simplified network architecture**, virtualised components, **automating agents**, and **intelligent decision engines** which present self-dynamic capabilities with the goal to create intelligent business and network operations based on the concept of **closed-loop controls**.”



Journey and drivers for autonomous networking



Network Monetisation

Operational efficiency



Resource efficiency
and energy savings



Experience excellence

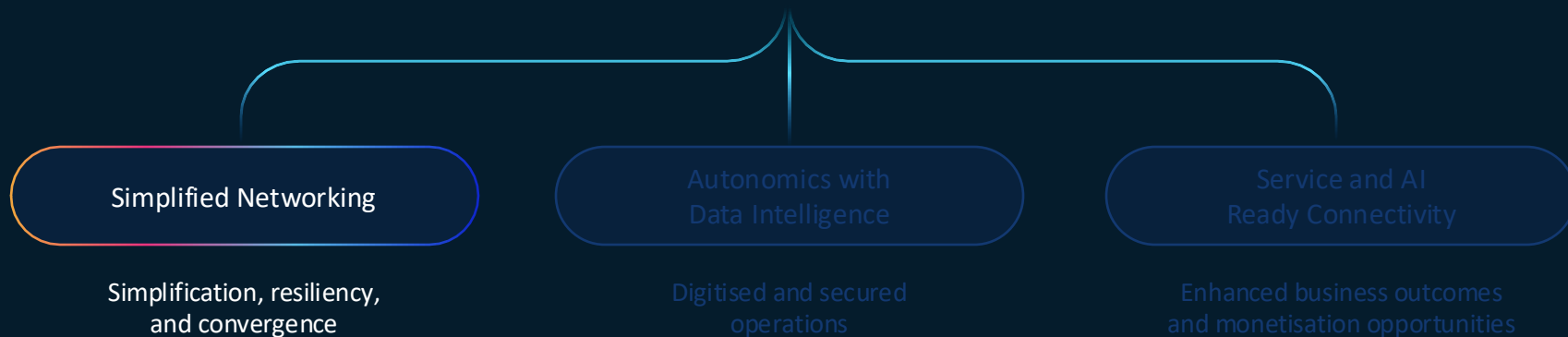
Source: Capgemini/Capgemini Research Institute, Autonomous Telco Networks Survey, December 2023-January 2024

Source: <https://tmforum.org/research-and-analysis/reports/autonomous-networks-exploring-the-evolution-from-level-0-to-level-5>

Our Service Provider Vision

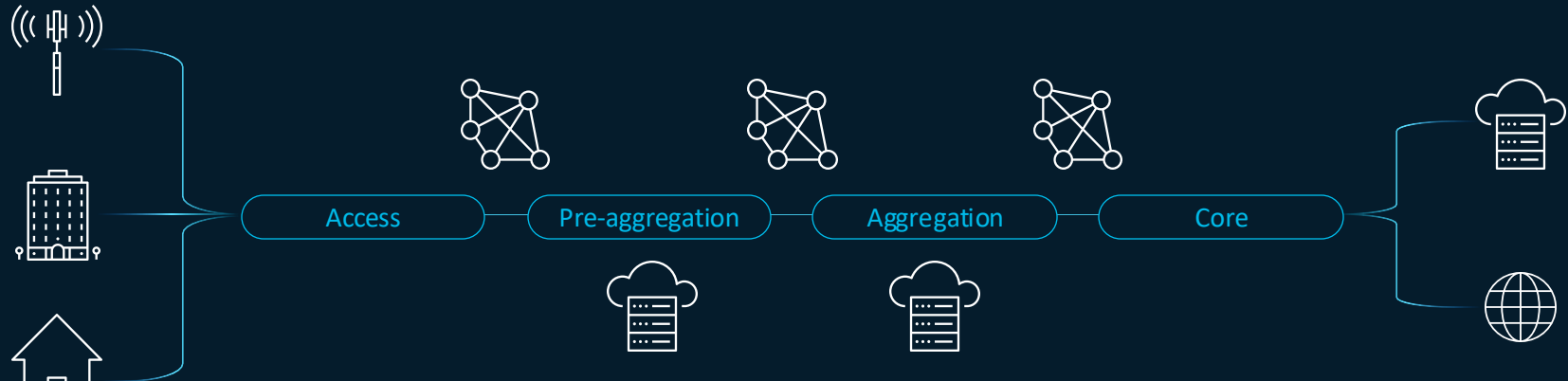


Our Service Provider Vision



Network Resilience

Resilient, controlled, secure carrier-grade connectivity

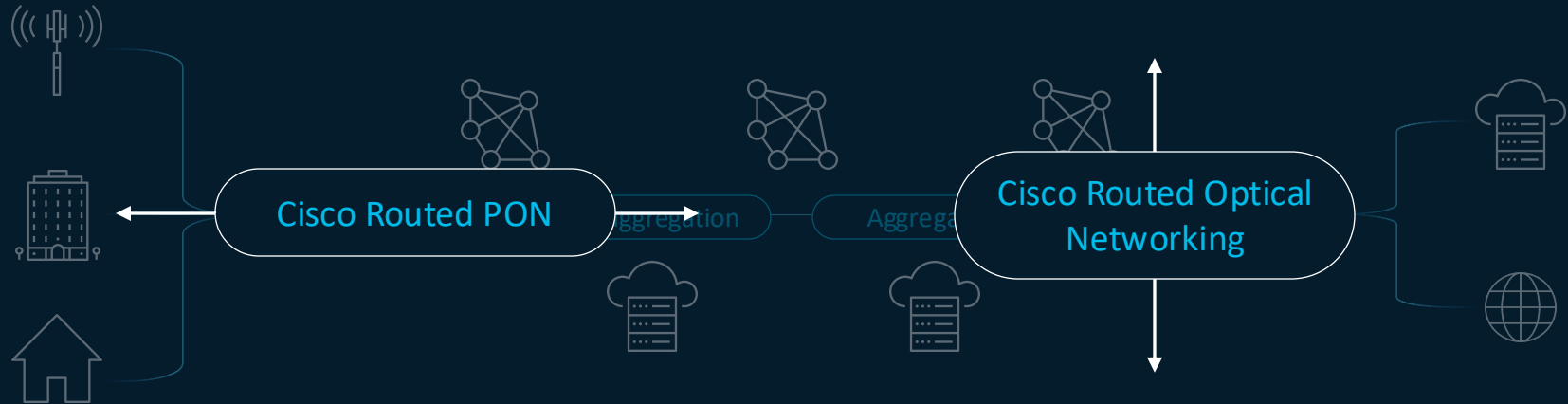


Converged end-to-end network for seamless connectivity

Foundational for digital resiliency

Layer Convergence

Collapse network layers with Intelligent Optics

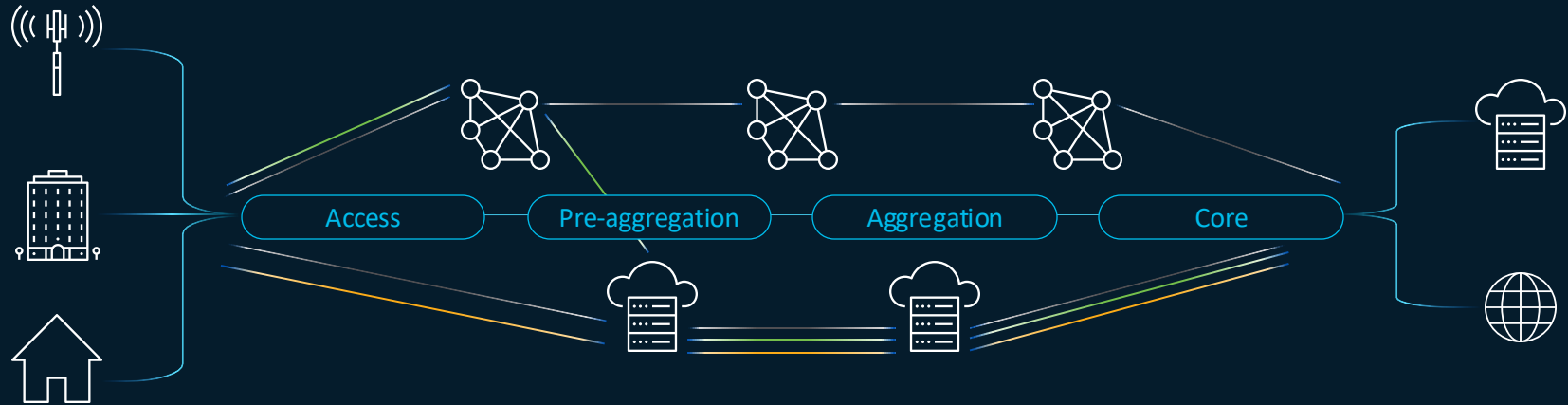


Physical layering reduction and combining IP & Optical layers

Foundational for simplification and sustainability goals

Service Optimisation

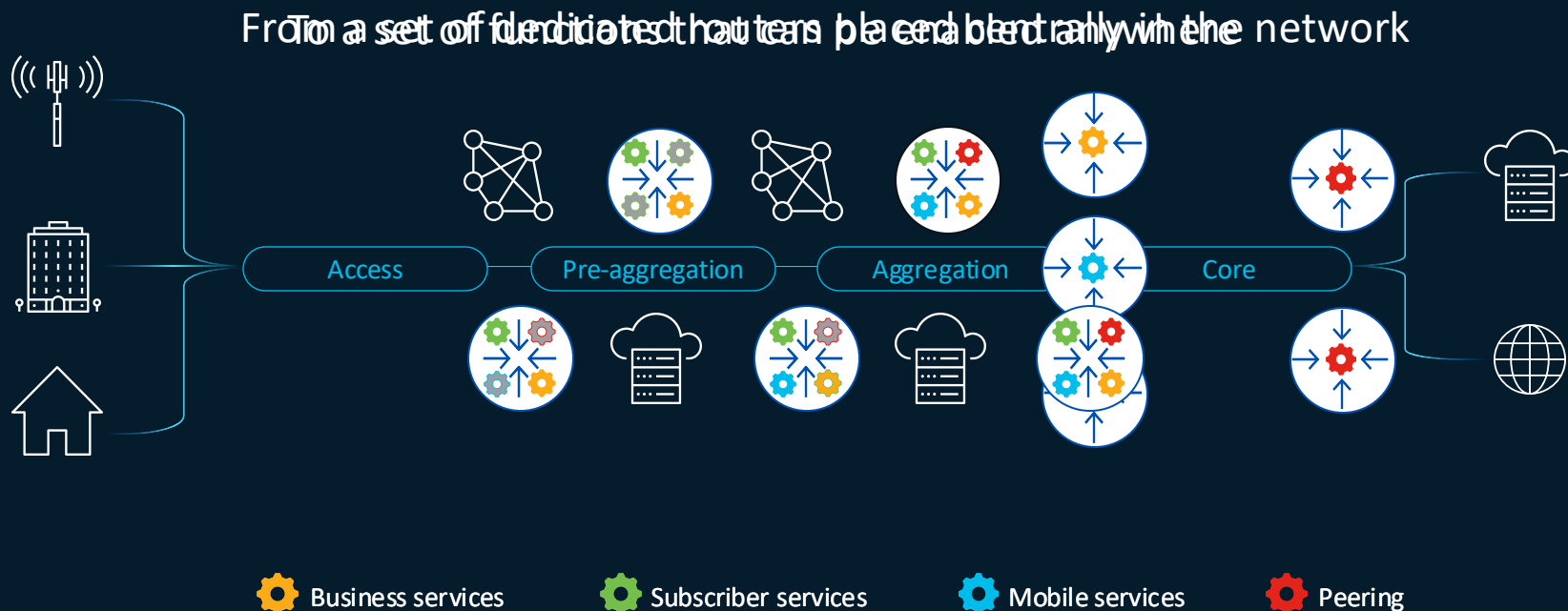
Cisco Segment Routing is the service convergence enabler



Network slices displaying different characteristics

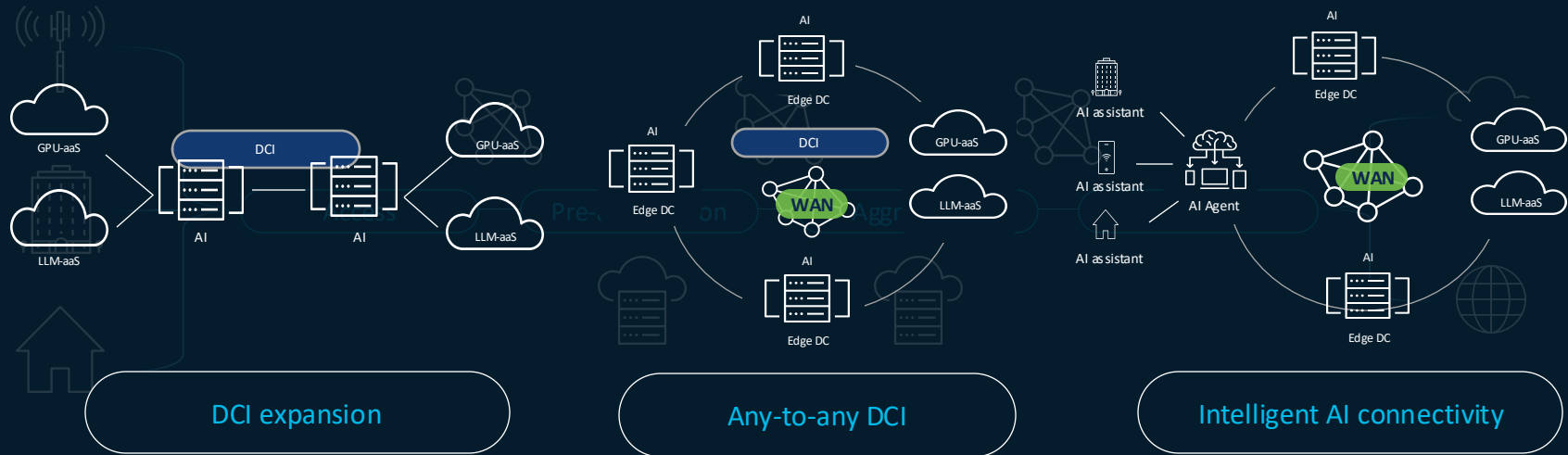
Low latency, disjoint path, green path

Evolution of Service Edge



Evolution of AI Connectivity

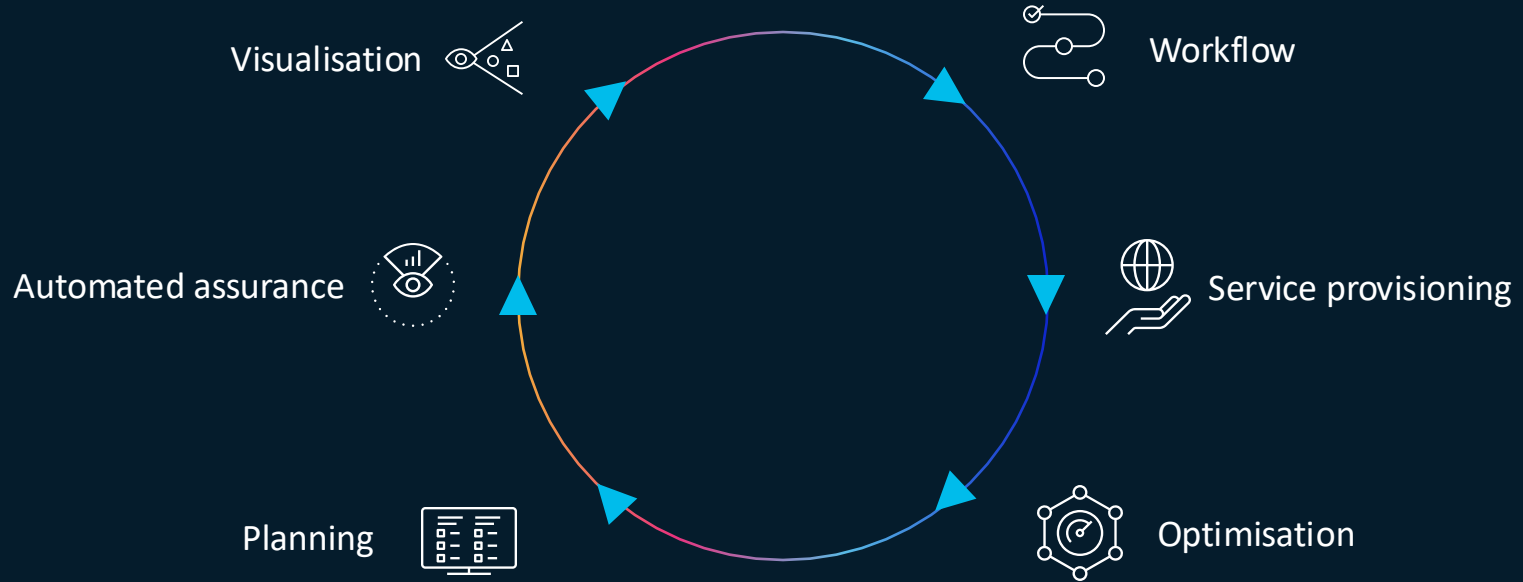
Meeting the Evolution of AI towards the Edge



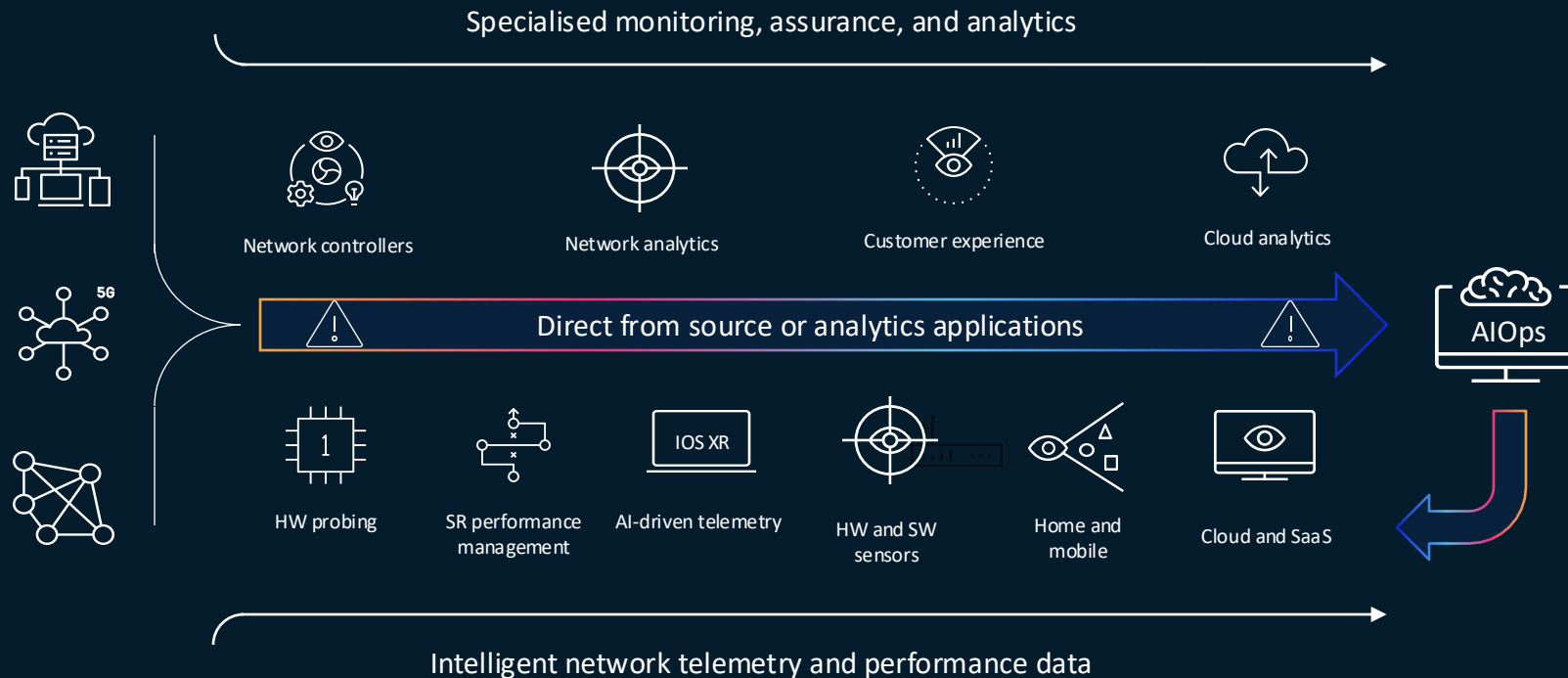
Our Service Provider Vision



Complete lifecycle of network operations



Evolving towards AIOps



Turn data into intelligent analytics and clear insights

3

Use cases catalogue

Correlate data across business, apps, service, and infrastructure: monitor, investigate, analyse, act

4

Integrated ecosystem

Customers, partners, developers: APIs, integrate, federate, orchestrate

2

Data platform powered by AI

Ingest once and consume many times

1

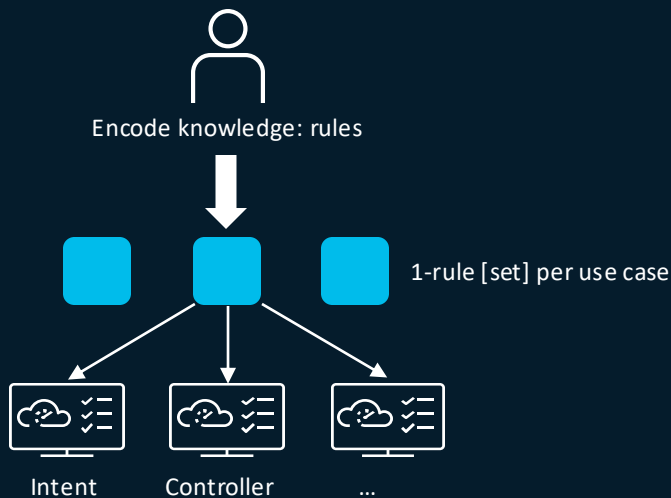
Make the best data available

Direct from any source or analytics applications

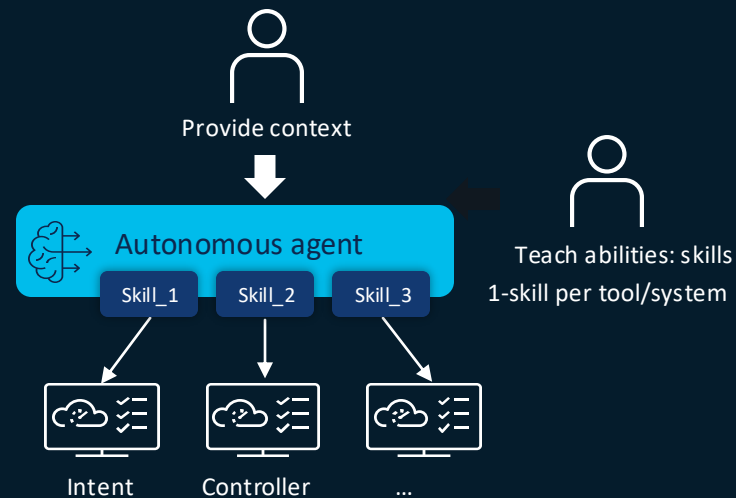


Large language models and autonomous agents

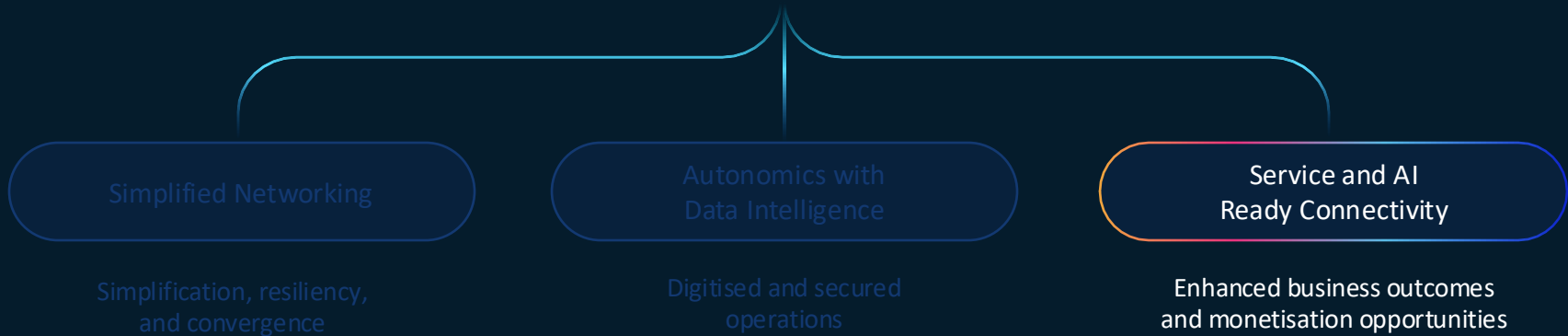
L2/L3 Autonomous network levels



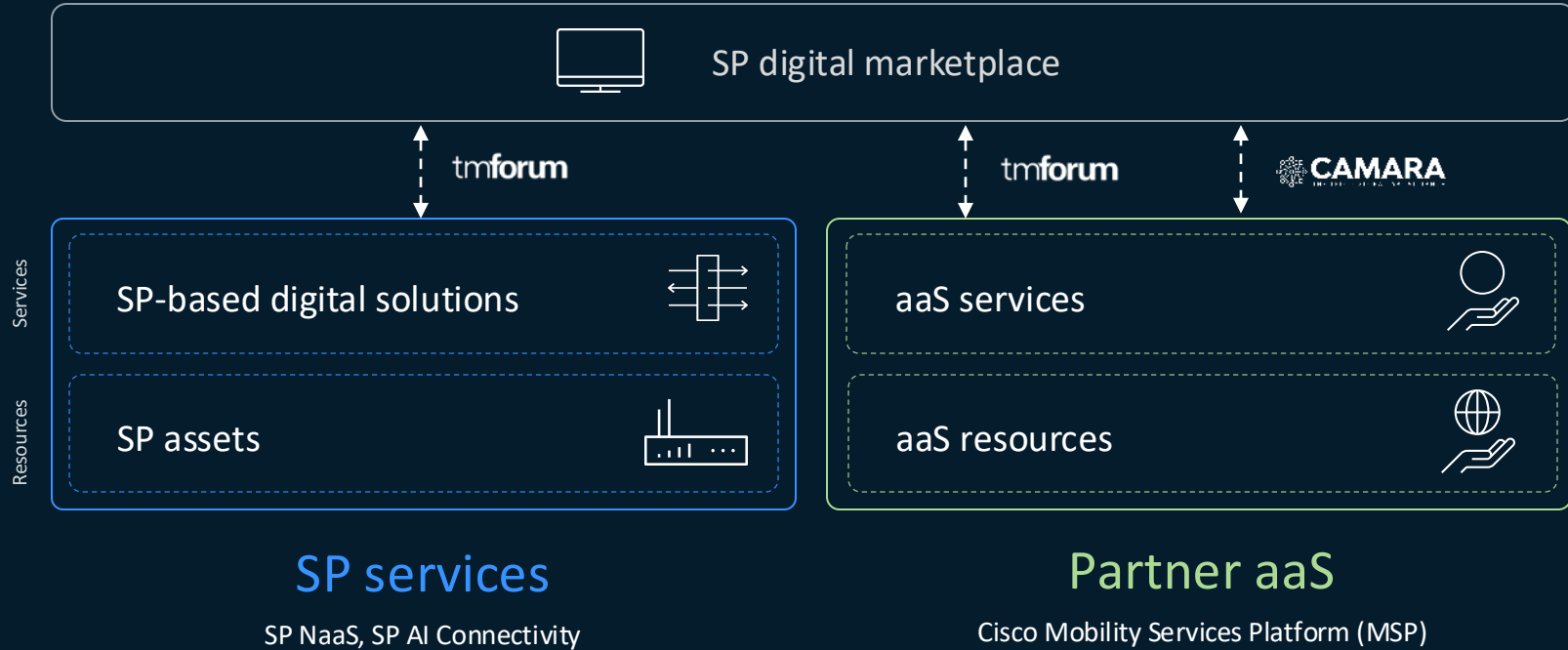
L4/L5 Autonomous network levels



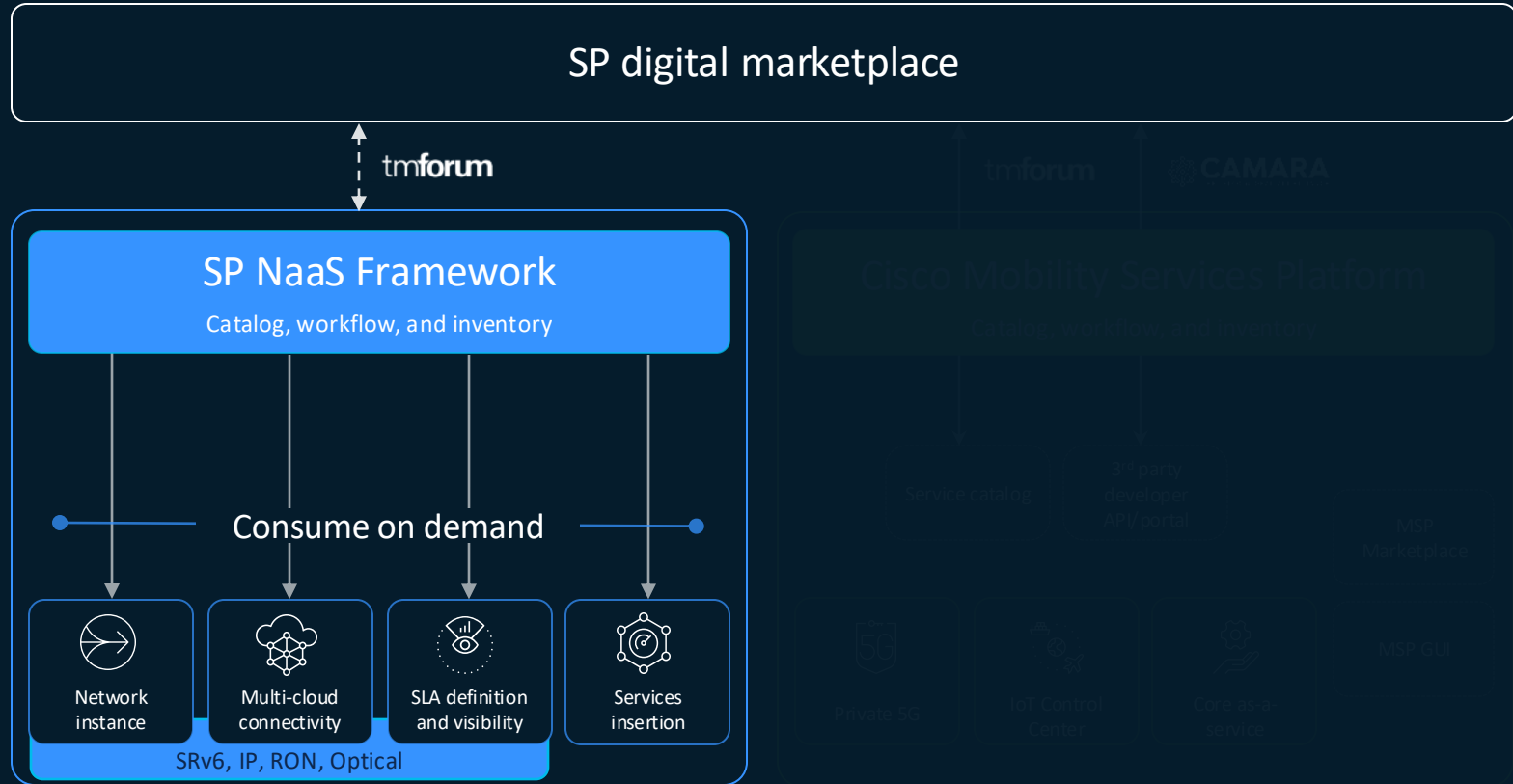
Our Service Provider Vision



SP-based digital solutions and partners aaS



Supporting SP NaaS Business services



AI connectivity use-cases with NaaS framework

Intelligent AI connectivity

Any-to-any DCI

DCI expansion



Network instance



Multi-cloud
connectivity

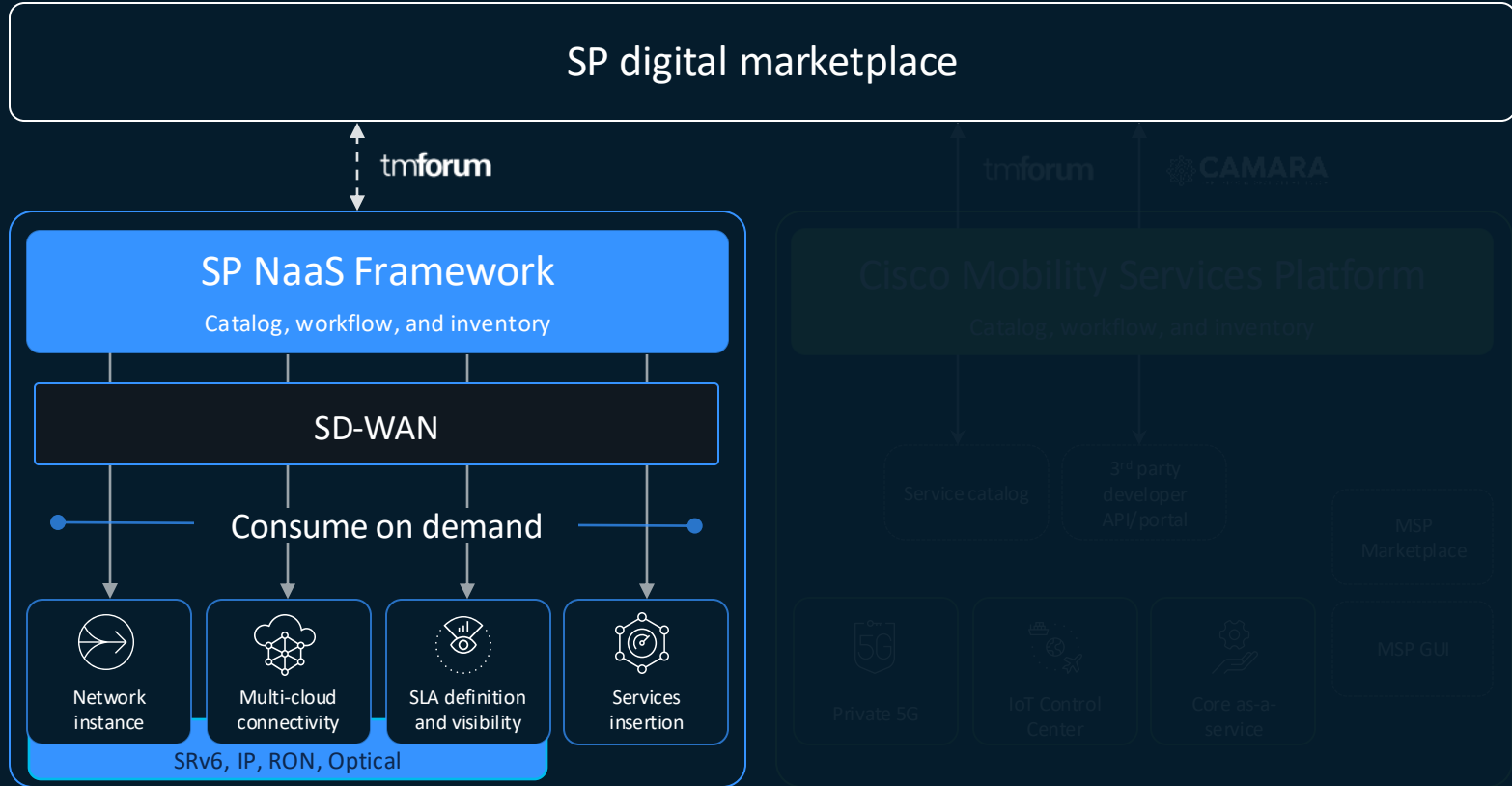


SLA definition and
visibility

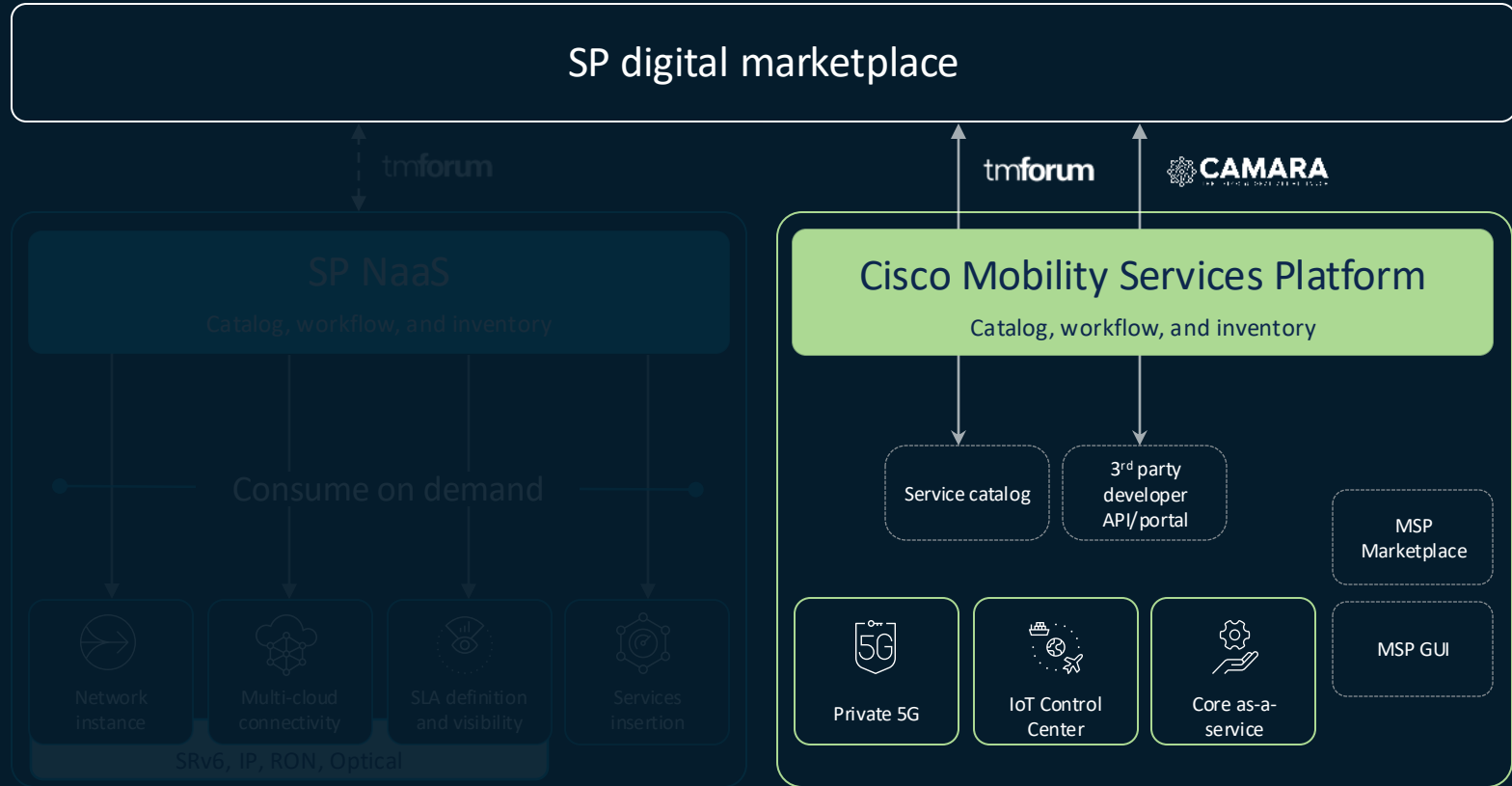


Services insertion

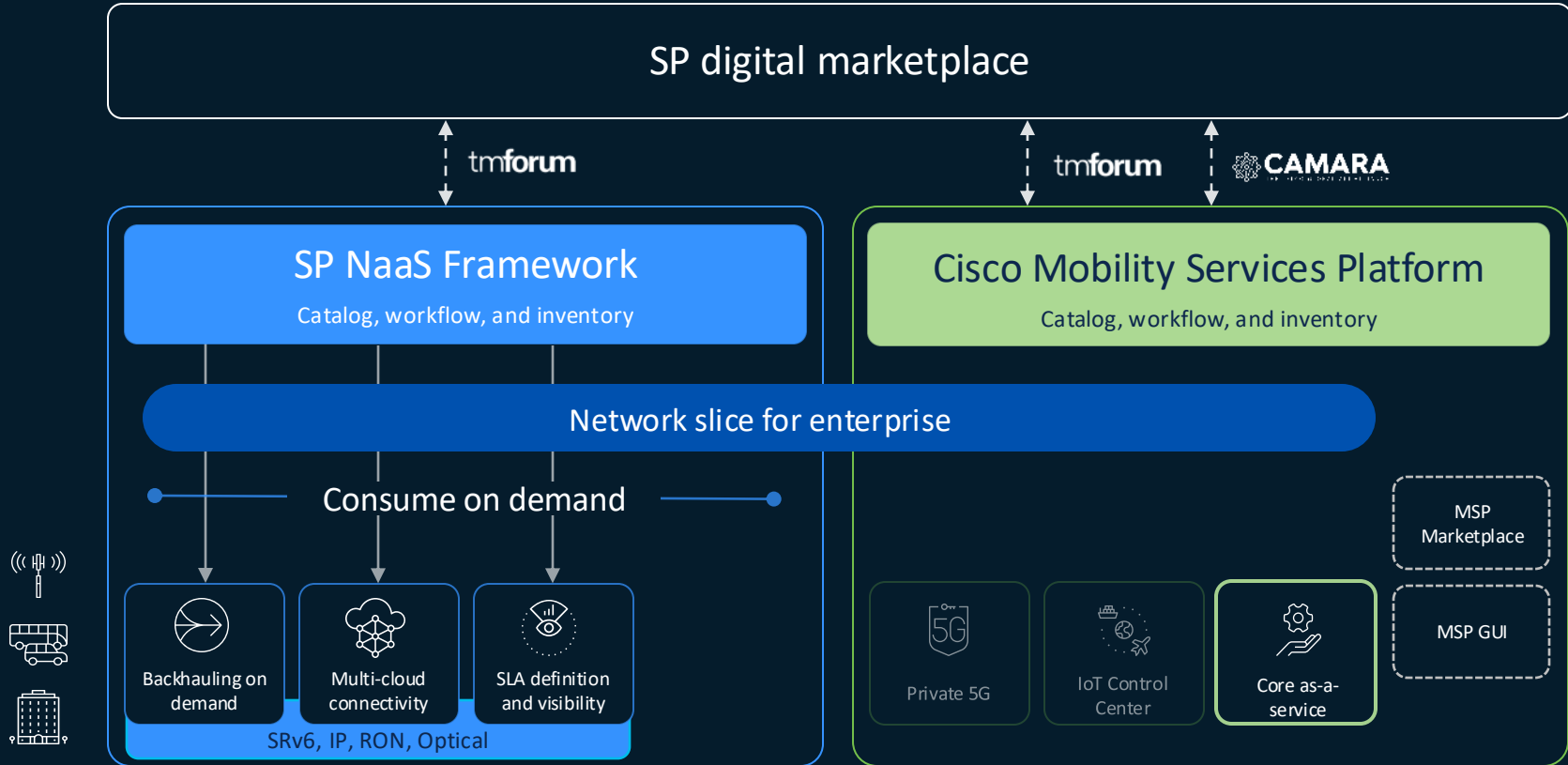
SP NaaS business services with enhanced SDWAN



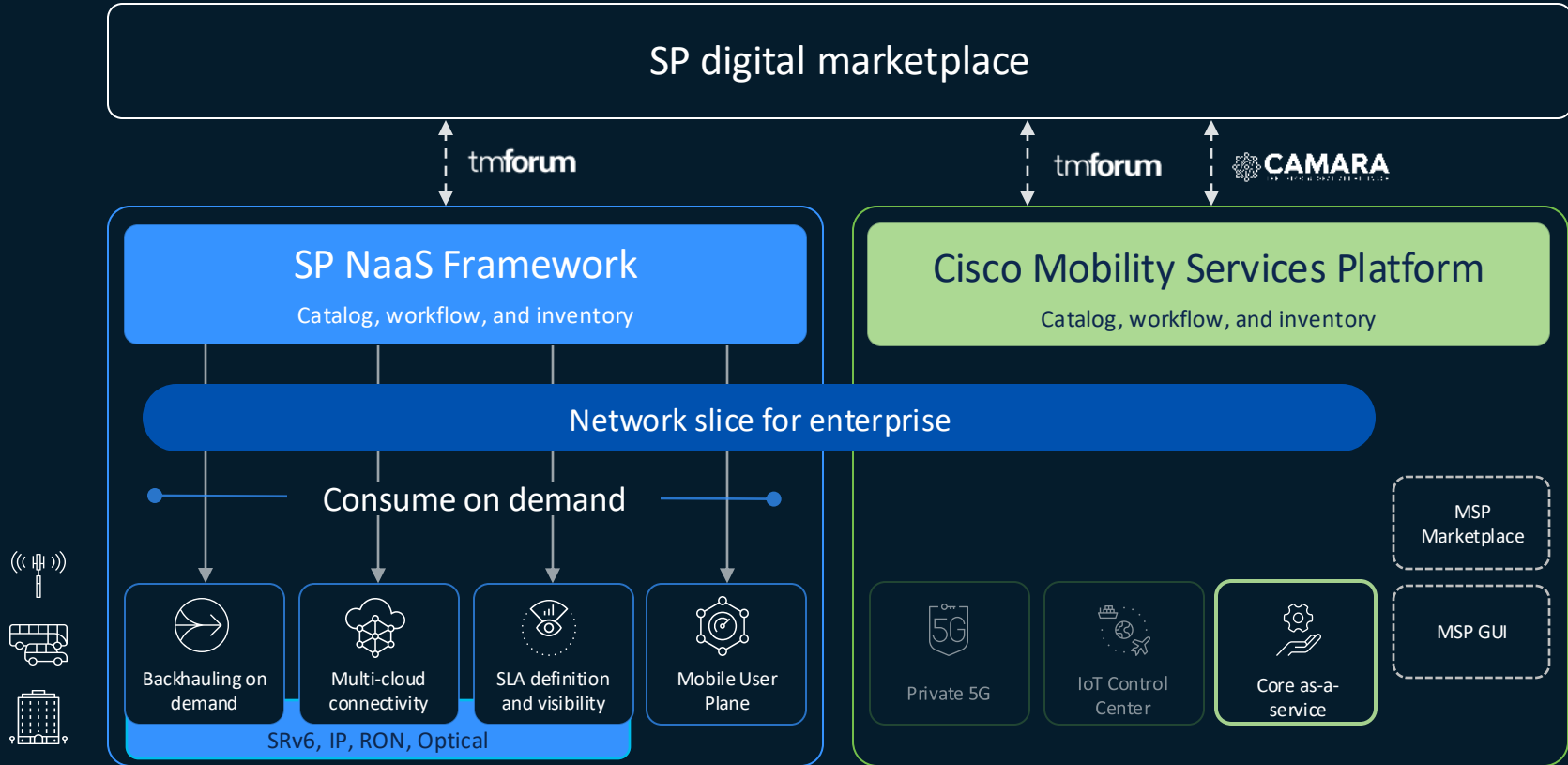
Creating Mobility services from Cisco MSP platform



Mobile network slicing for enterprise



Mobile network slicing for enterprise



Our Service Provider Vision

