

Marketplace Model - The Digital Economy Catalyst for CSPs?

Our Speakers



Shantanu Kulkarni
Head of Network
Software, STL



Tilemachos Koulouris
Vice President,
Europe & CIS, STL



Ravi Shankar
Head - Product
Management, Next-Gen, STL

Webinar

📅 15th July 2020

🕒 1:00 PM - 2:00 PM CEST

Know the Speakers



Shantanu Kulkarni

Head of Network
Software, STL

Shantanu has more than two decades of experience in the Telecom Domain. He is obsessed with creating products and solutions at the pace of business and technology. Currently, he heads the Software Technology Unit for STL, responsible for Product Management, Product Marketing, and all aspects of Software Product suite development for STL.



Tilemachos Koulouris

Vice President,
Europe & CIS, STL

A seasoned leader in the technology, media, and telecoms market with more than 22 years of international experience, Tilemachos Koulouris is STL's Vice President for the SW business. During the past two decades, he has been working closely with global CSPs, consulting and helping clients on their digitalization transformation strategy & execution.



Ravi Shankar

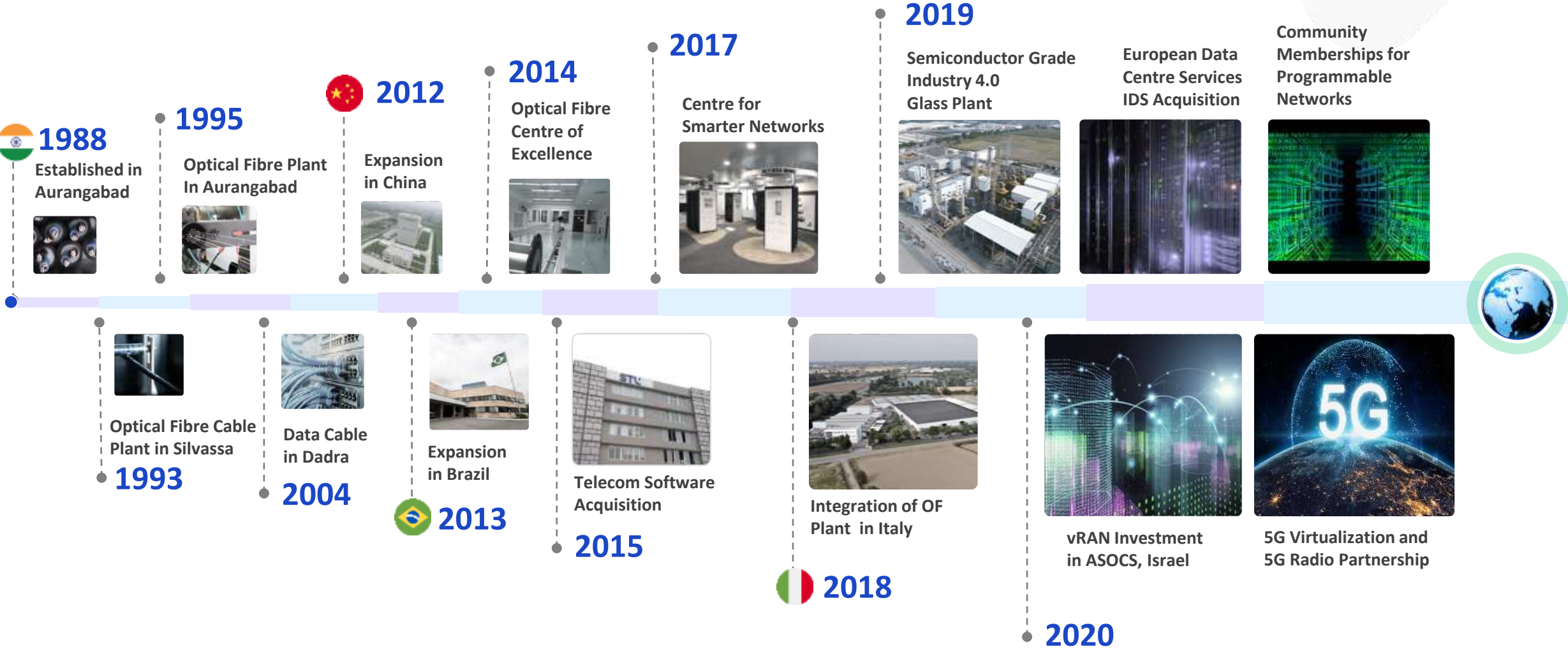
Head - Product
Management, Next-
Gen OSS/BSS, STL

A highly self-motivated, result-driven, passionate leader with 15+ years of experience in Product Management, Engineering and Delivery in B/OSS domain, with proven expertise in building high-performance cross-functional global team.



Starting from optical fibres

We now build digital networks globally





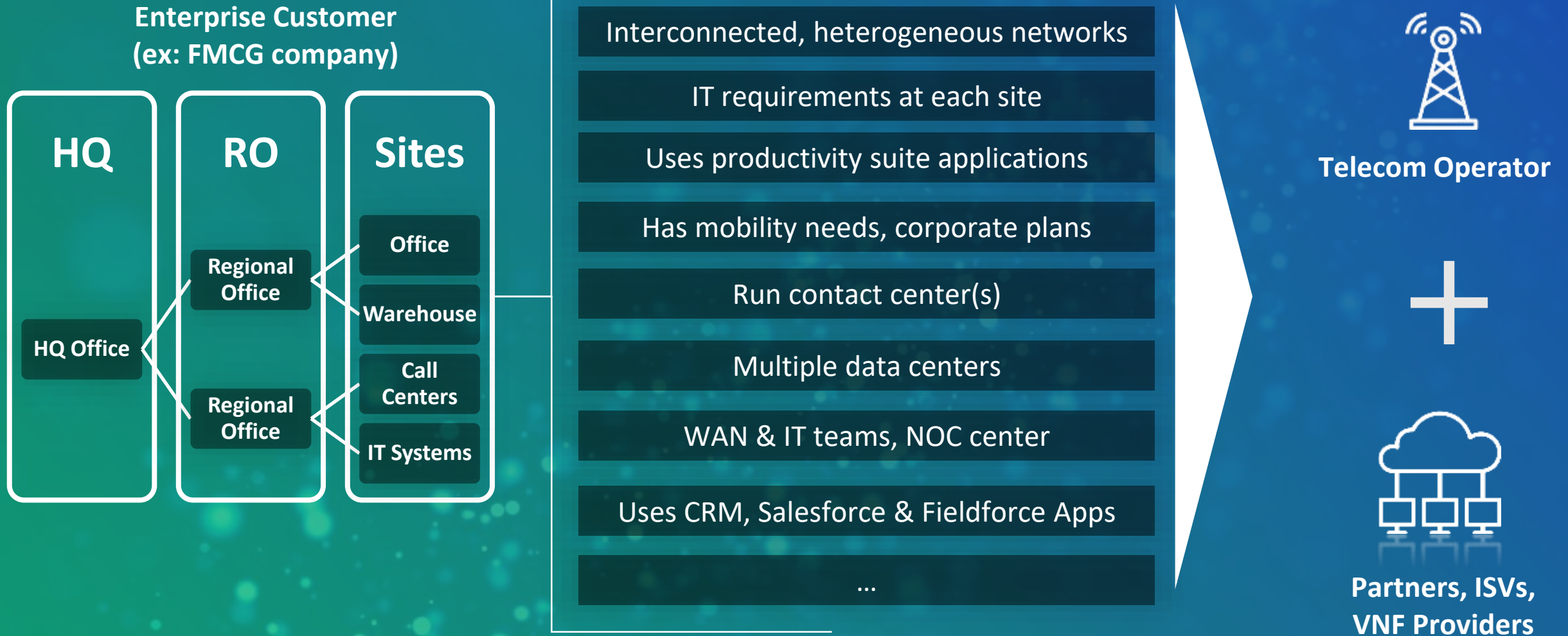
Agenda

- **Enterprise Market & Industry Trends**
- **Challenges & Opportunities**
- **Recommendations**
- **Q&A**

Tell us about yourself



Enterprise Market for Telcos



Telco Enterprise Business Segment Evolution



Industry Verticals

Automotive
BFSI
Govt., Public Sector
Life Sciences
Manufacturing
Media & Technology
Retail & Consumer Goods
Transport & Logistics
...

Partnerships: Cloud hosting Providers, SaaS Providers, Dev Ecosystems, Car Companies

Technology Evolution Bringing Unparalleled Control to Business

Services

- Network slicing, Network-as-a-Service, Connectivity-as-a-Service
- OTT services are delivered as an overlay on the infrastructure

Software

- Virtualized control & user plane (VNF, VM, Containers)
- Controllers, Orchestrators, Cloud-Native Elements

Underlay

- COTS for hosting VNFs. – E2E Connectivity
- Network elements - physical or virtual routers, switches, security

Radio Access Network (RAN)

- 4G LTE, LTE-M, WiFi 6
- 5G Non-standalone and Stand alone architecture

Multi-Access Edge

- Apps moving closer to the user - enable application centricity
- Distributing 5G network functions - faster traffic-forwarding

Network Core

- Network Disaggregation
- Control and User plane Separation

Enabling New Use Cases for Enterprises



vRAN as a Service



SD WAN



Network Slice



Security as a Service



IoT-as-a-Service



Cloud Management As a Service



Bare-Metal-as-a-Service



Fault Management



Performance Management



PCRF as a Service

Through Partnerships



Applications



Infrastructure



Integration

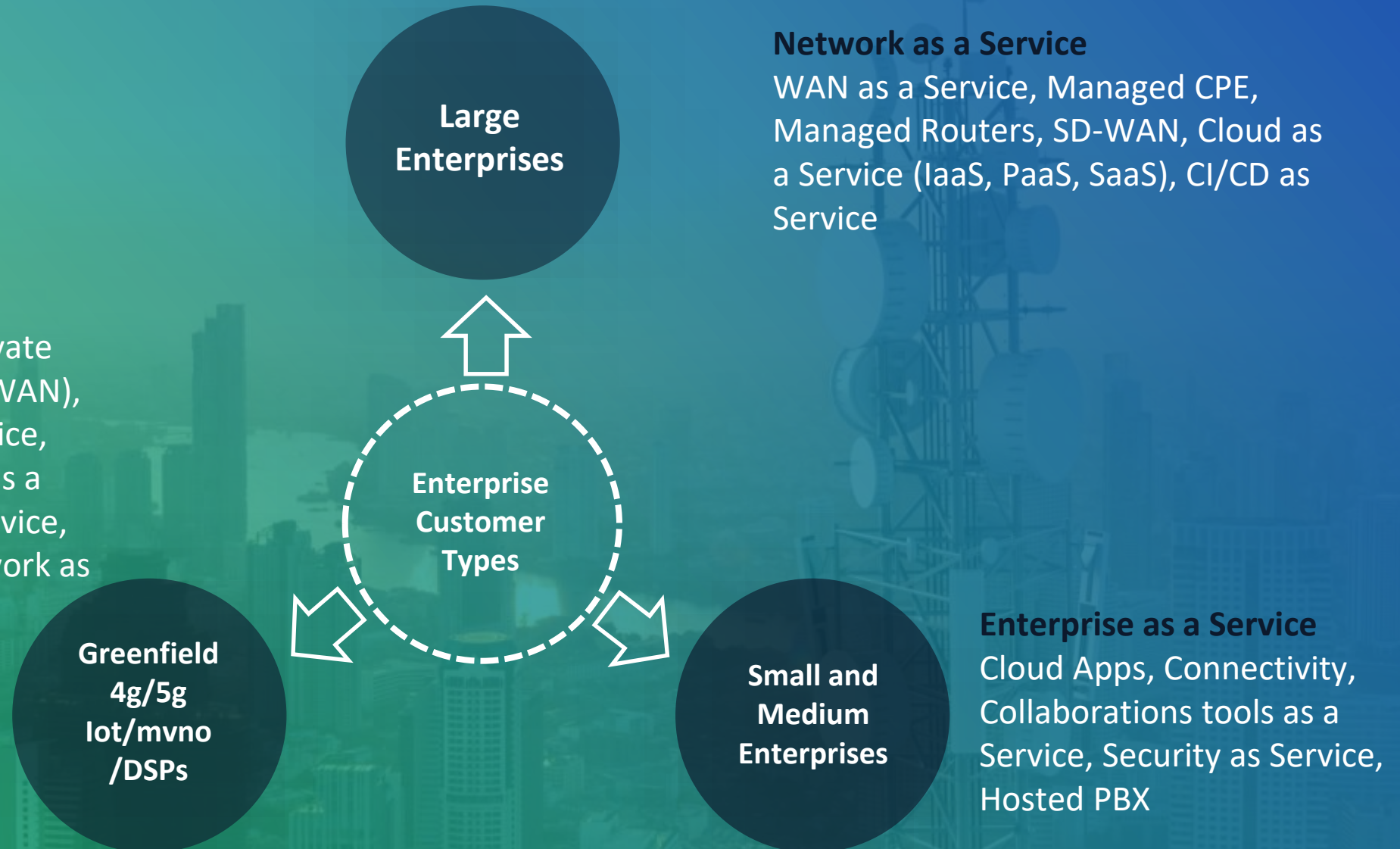


API

Enterprise Market needs vary by segment

Private network as a Service

vRAN as a Service, Private Network (LTE, LORA, WAN), IOT Platform as a Service, NW slicing, Analytics as a Service, CI/CD as a Service, Observability Framework as a Service



Enterprise Market for Telcos



Demand for Specialization/Verticalization

Connectivity needs are getting specialized

- Connected cars
- Smart grids
- Industry 4.0
- And more...



Everything as a Service is proven

XaaS models provide faster time to market, efficiencies and most importantly scalability



Enterprise is expected to grow multi-fold

XaaS estimated to grow to \$400B by 2025*

Network as a service to increase by 40% by 2025**

Anything as a service to increase by 53% by 2025*



Finally....it is not an option anymore!

Unprepared telcos run the risk of missing out on important growth opportunities

What are the challenges in setting up XaaS for Enterprise Customers?



Challenges in setting up X-as-a-Service

Providing right experience

Onboarding & self-management for enterprise customers & partners.

Complexity and diversity in the type of offerings and ordering process.

People dependent, offline processes with long running orders.

Generating monetization opportunities

Limited pricing and business models, restricted by legacy billing systems.

Time consuming contract negotiations and settlement cycles with accuracy and transparency issues.

Payment channel inefficiencies.

Building platforms for agility

Inflexibility in modeling and orchestration of software driven disaggregated products & networks.

Speed mismatch between IT and Network. IT layer not designed for elasticity, scale and isolation.

A Marketplace Driven Platform



**Partnerships & Partner
Journey**



**Enterprise customer
journey**



**Intent to Purchase
Conversion Acceleration**



**Contracts Agreements, &
Quotations Automation**



**Business Models
(SaaS models)**



**Digital Payment
Channels & Flexibility**



**Near Real-time
Settlements**



**Technology & Platform
(Open, Disaggregated,
Cloud Native)**

Why Marketplace?

Fully digitized platform for enterprise customers

For Enterprise Customers

Simplification

- Simplifying complexities of B2B use cases
 - Enterprise customer registration
 - Organization units and hierarchies
 - Workflow approvals
 - Milestone based payments

Dropped link and Assisted Sale support

- Customer can continue from where he stopped the last time
- Assisted sale support where agent can not only guide customer but complete the journey on behalf of customer

Fast Discoverability

- 1 stop platform to purchase Telco and Enterprise offerings
- Intuitive navigation (top selling, featured, partner products, categories).



360 Degree view for Self care

- 360 degree view dashboard and self care
- Same platform for post purchase updates

Differentiated Customer Experience

- Digital identity Management and Personalized Experience
- Additional Benefits for High Value Customers

Why Marketplace?

Fully digitized platform for accelerated partnership and co-creation

For Partners

Differentiated Experience

- Provides benefits to partners with strategic product partnerships or top selling products
- Provides different options for revenue agreements

Launch Services Faster

- Inbuilt content management and product approval workflows to strengthen effective go to market strategy
- Unified Product Catalogue to create bundled services of Telecom and Enterprise offerings with discounts



Onboarding to Settlement - all in 1 Platform

- 1 stop platform for partner registration, settlements and analytics
- API catalogue and monetization framework

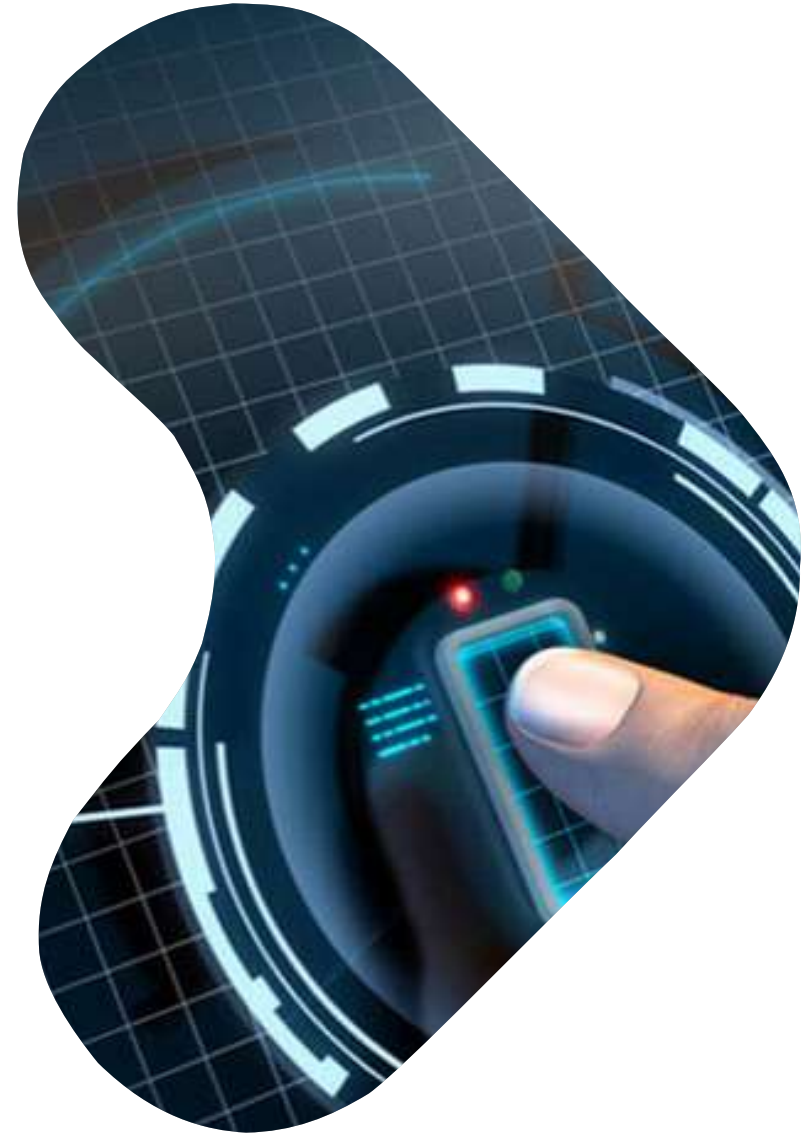
Dedicated focus for Partner Offerings

- Dedicated home page for partner offerings
- Rate and review to differentiate partner offerings

360 Degree Insights

- 360 degree view dashboard
- View product performance, customer behaviour, analytics and reports from dashboard

How likely is independent software/hardware vendor to participate in CSP's hosted marketplace for enterprises?



Recommendations

1.



Get your architecture right

For a multi-tenant, multi-sided business where APIs and disaggregation enable new use cases on the platform.

2.



Use pricing innovations to create new business models

Exploit monetization possibilities created by platform and partnership.

3.



Digitize your processes

From journey modeling to using agile DevSecOps processes, digitization is the key

4.



Start building partnerships

Define your partnership priorities and focus on creating a frictionless partner onboarding.

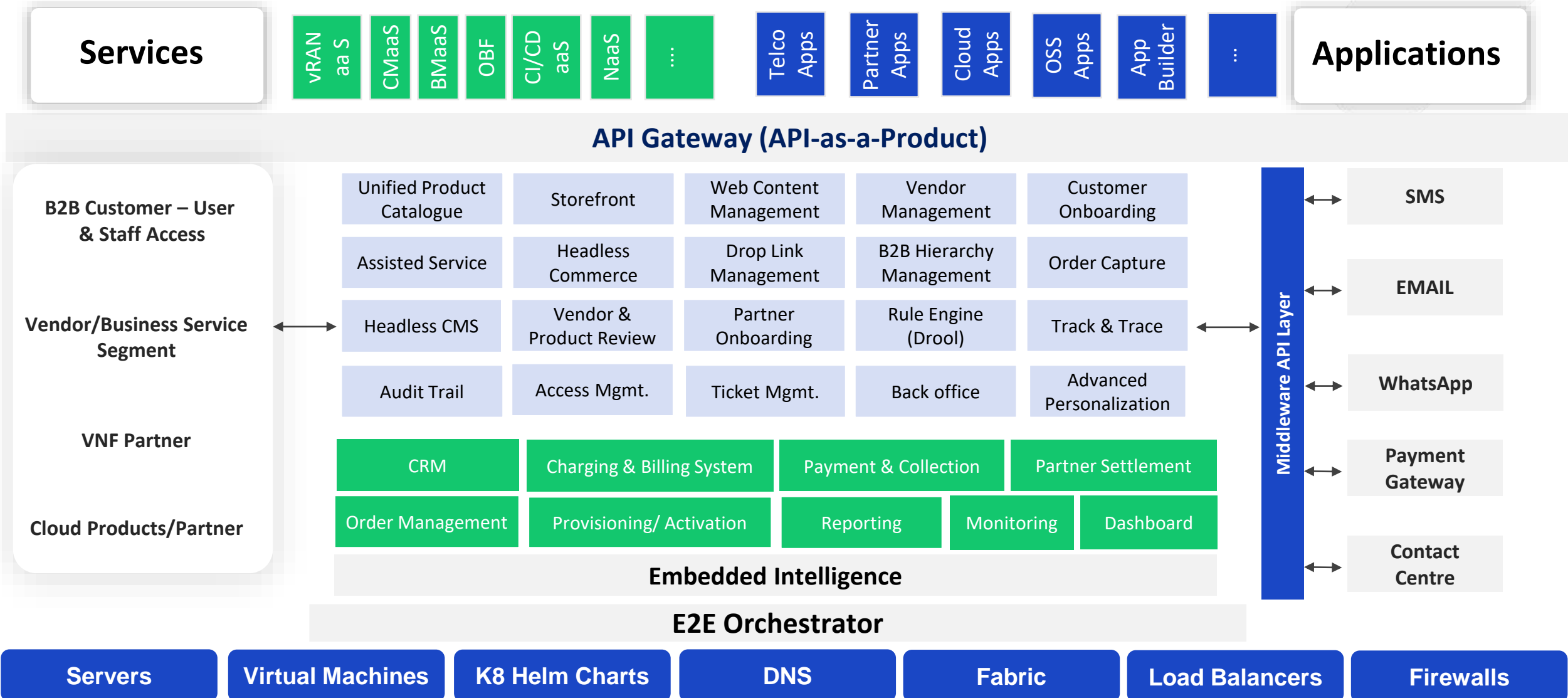
5.



Build skillset & mindset

Digital skills, aside from mindset for co-creation, collaboration are critical for platform success.

1 Architecture for Marketplace Platform

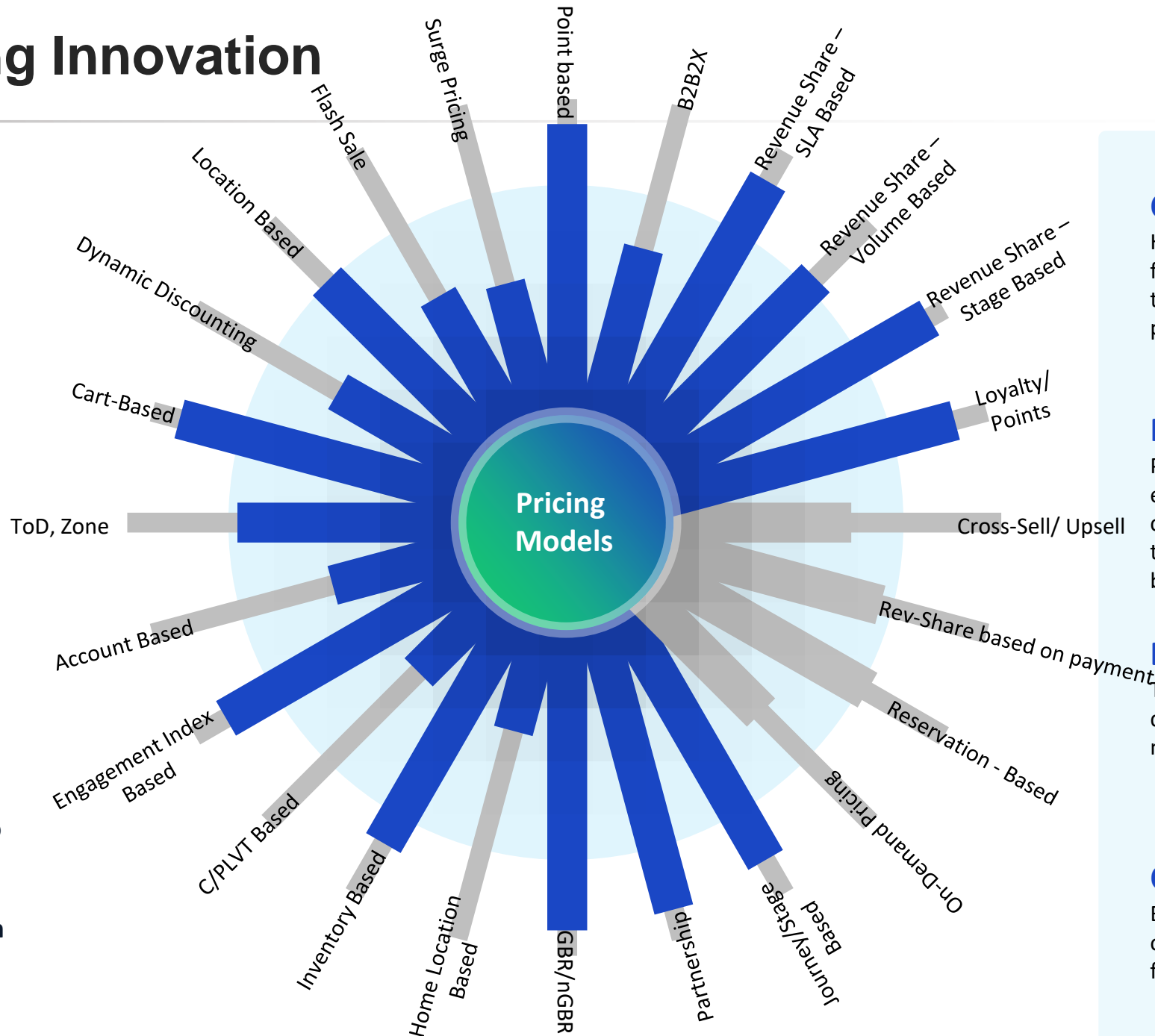


2 Use Pricing Innovation

1. Build new revenue models

2. Address overall complexities

Legacy platforms not ready to support new pricing and business models - are becoming biggest deterrent in 5G monetization.



Customers

Have been spoiled with the flexibilities and choices by the e-commerce marketplace platforms.

Partners

Partners have no different expectation than retail customers. They expect real-time settlements, pricing and bundling.

Enterprises

They need solutions that are quick, and enabling them in managing their challenges.

Competitors

Beyond traditional telecom operators, the competition is from new age digital players.

3 Start Building Partnerships

Partners

Retail
Entertainment

Hardware players
Software providers

Education
Healthcare

Automakers
Security providers

Network software provider
Enterprise software provider

Cloud Platform
Provider

Pillars

Connectivity

Collaboration

Platform

Outcomes

New Business Models

New Revenue Streams

Monetize investment in 5G

New Partnership Models

Capture bigger portion of market share

Launch personalized services faster to the market

4 Digitize Process using Design Thinking Approach



Insights driven
Customer & partner
interaction



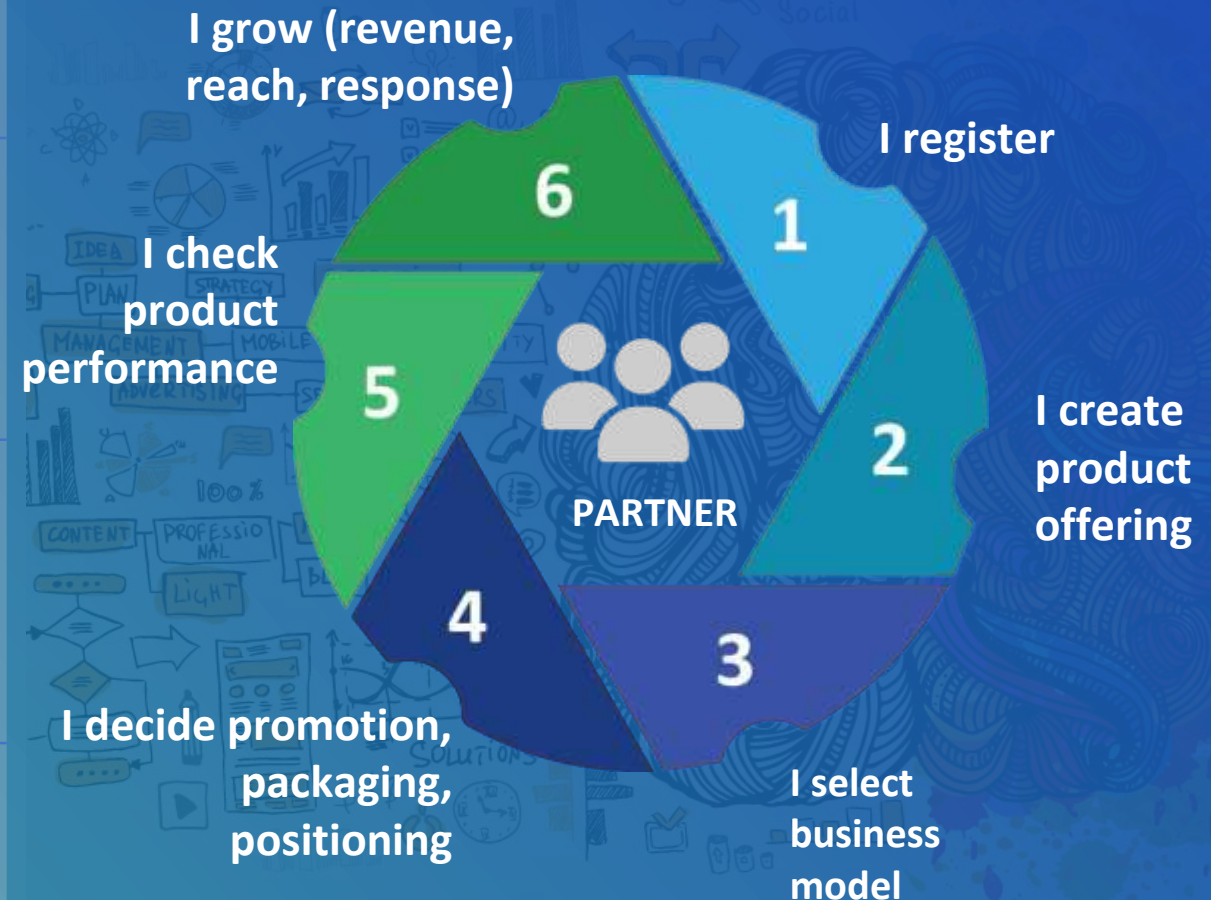
Quick prototype
UX/UI Changes and Configuration
driven Process Changes



Design Thinking led
Biz DevOps for
Concept-to-Market



A/B testing based on
Behavioural Science



5 Focus on building Skillset, Mind-set

CSPs are very well positioned to exploit their presence, trust & relationship with the enterprise customers, however they must act now before enterprises move to hyperscalers.



Think big



Start small &
Fail fast



Scale up

Map out the sweet spot of
value enhancement and
business model disruption

Begin with a PoC
Iterate Ditch (if needed) and start
all over again

Expand,
augment

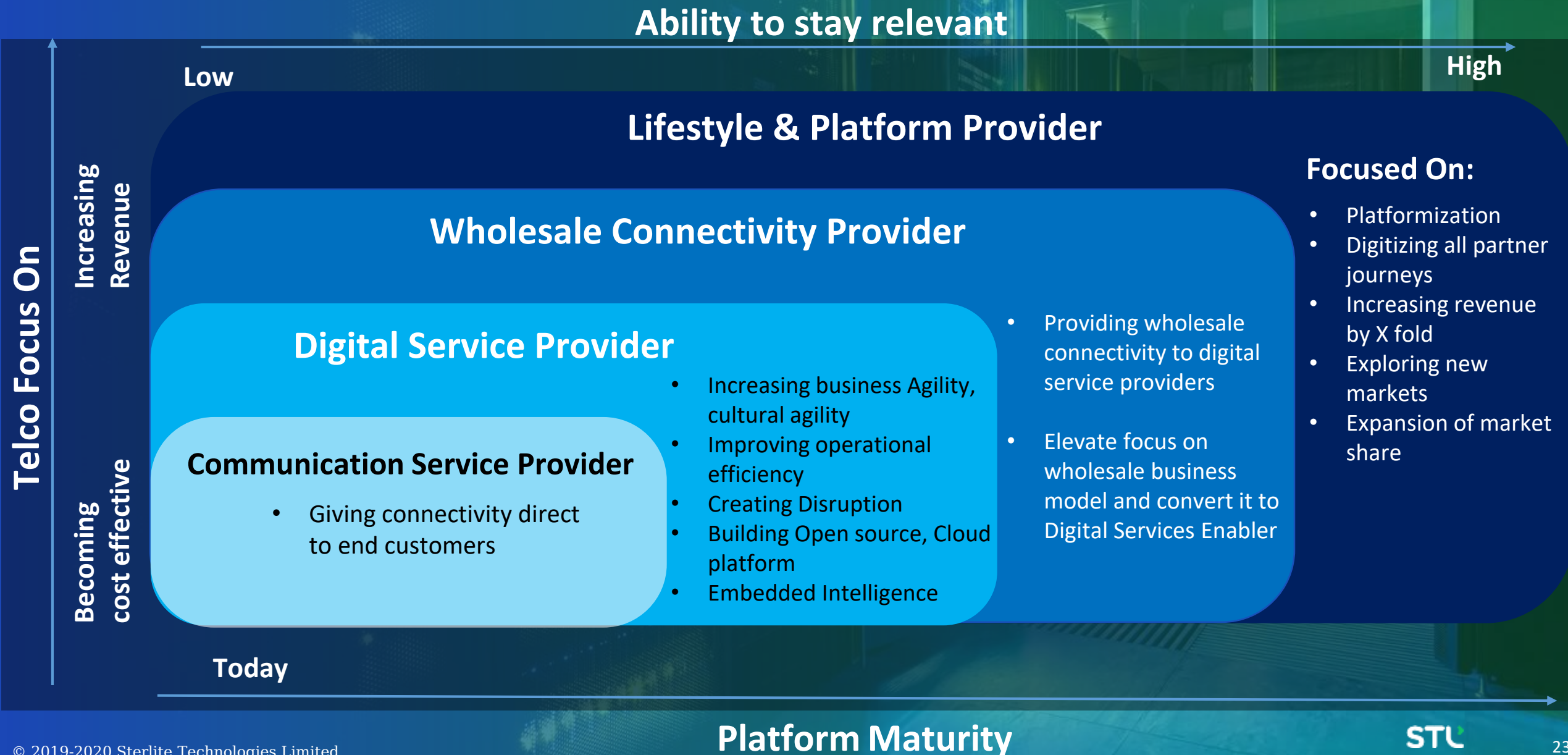
3P Framework

Platform

Processes

People

Time for you to choose where you want to be



Q&A





beyond tomorrow