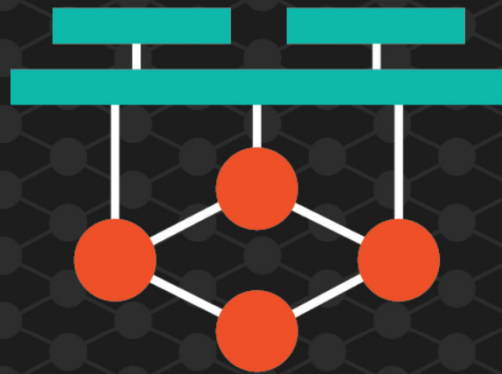


September 25 - 27, 2018
Amsterdam, The Netherlands



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Adopting Platforms & Model Driven Approach For Enabling 5G Use Cases

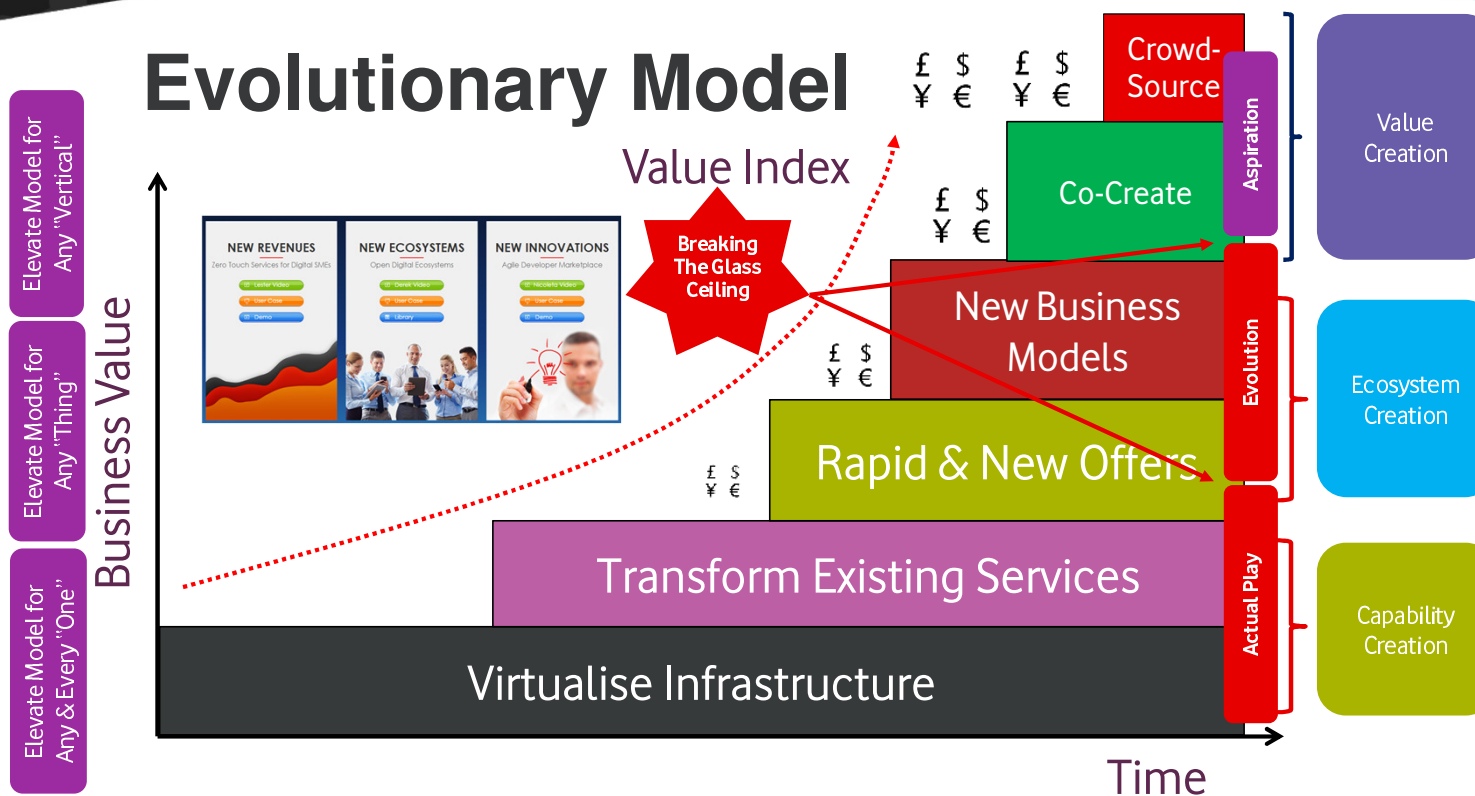
Atul Purohit



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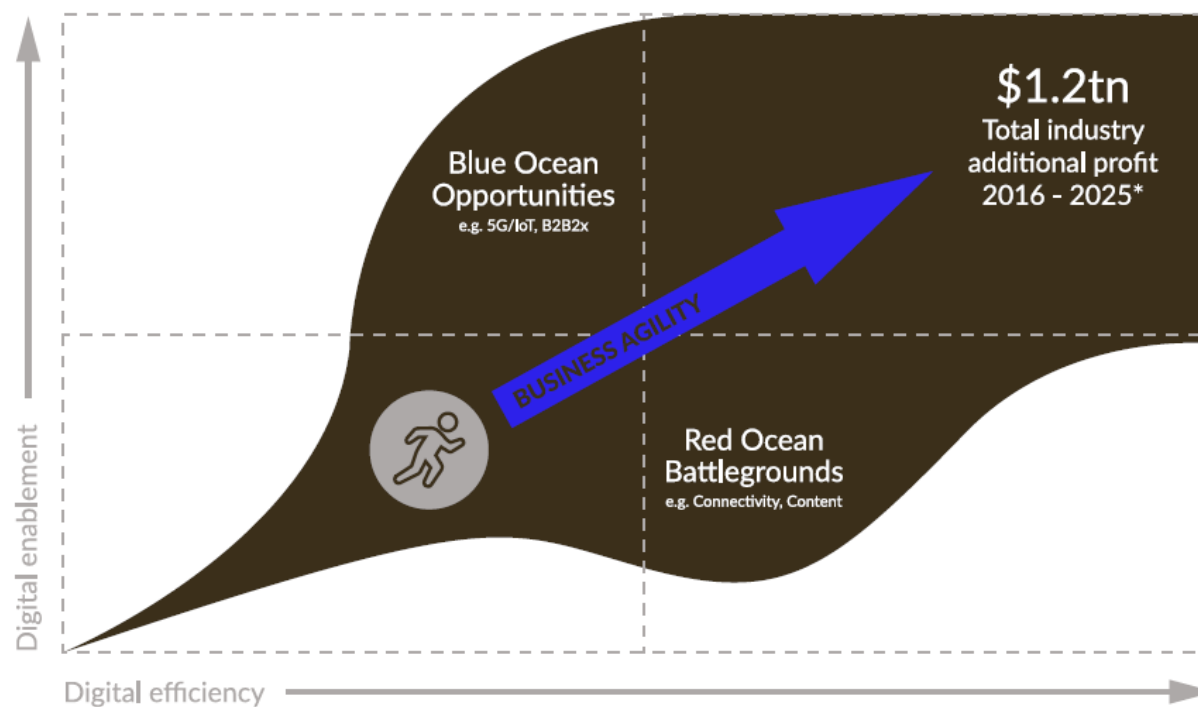


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Digital Transformation in two dimensions

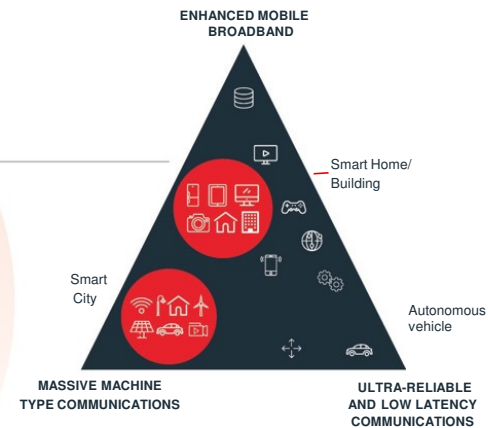
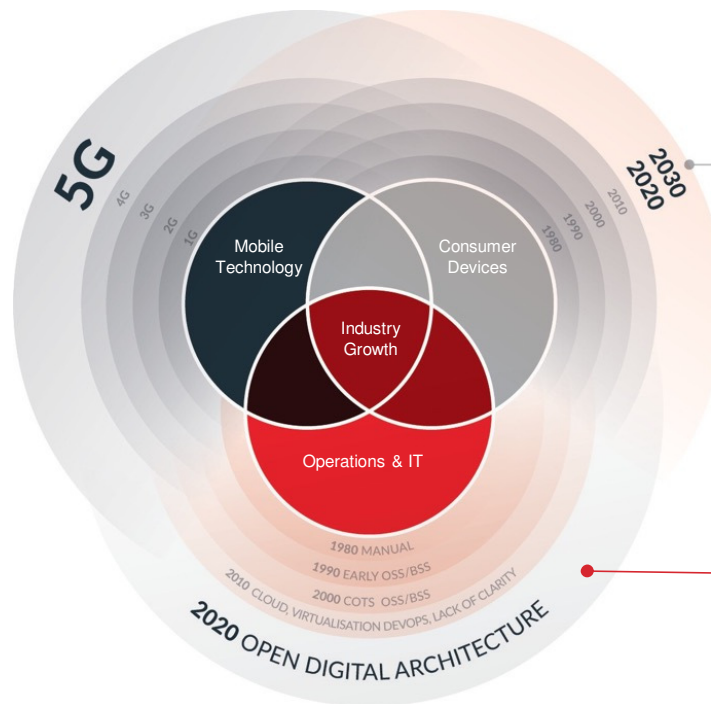


*Source: Accenture, Ericsson & Arthur D. Little World Economic Forum report



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Future success depends on transformation of operations & IT



- Zero-touch, AI-driven, software-defined operations (business & technology)
- Designed to deliver agility, efficiency & interoperability – to stay competitive



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Why A Platforms Play Has The Best Chance

Platform Economy "is" The Right Answer for Rapid "Anything" Rollout

Examples All Around Us

Early Platforms (App-Stores)



Apple App Store turns 10

eCommerce / Retail / Services



Telco Opportunities / IoT Growth /
Rapid New Services Rollout





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Evolution to 5G

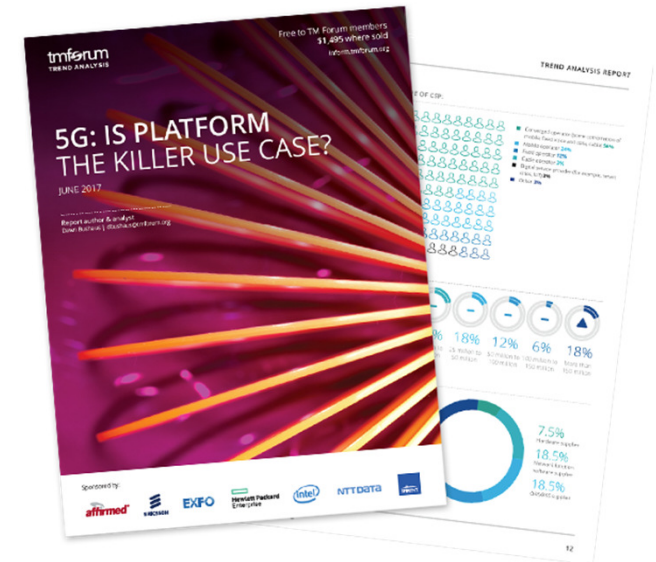
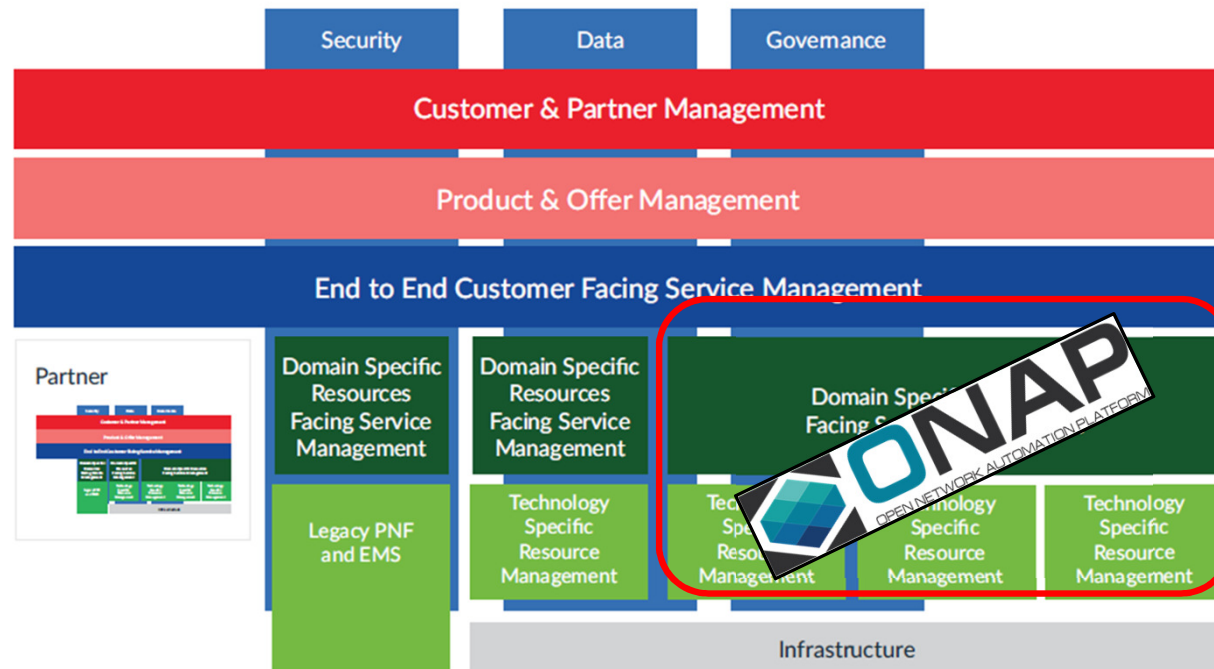
Industry	Illustrative applications	Case studies
 Healthcare	<ul style="list-style-type: none"> - Bioelectronic medicine - Personal health systems - Telecare and telermedicine - Connected ambulance 	
 Manufacturing	<ul style="list-style-type: none"> - Remote control and monitoring of stationary and mobile equipment - Machine-to-machine communication - Augmented reality support in design, maintenance and repair 	
 Media and entertainment	<ul style="list-style-type: none"> - Immersive experiences - On site 'stadium' experiences - User/machine generated content - Cooperative media production 	
 Agriculture	<ul style="list-style-type: none"> - Distributed soil sensors - Crop monitoring - Drones for farming - Connected farming machinery 	
 Automotive	<ul style="list-style-type: none"> - Infotainment - Platooning - Autonomous vehicles - Remote monitoring and predictive maintenance 	
 Energy and utilities	<ul style="list-style-type: none"> - Grid monitoring, control and protection - Connecting remote windfarms - Smart electric vehicle charging - Control of edge-of-grid generation 	
 Public transport	<ul style="list-style-type: none"> - Infotainment - Coverage of rail corridors - CCTV for platform clearing - Automatic train operations 	
 Security	<ul style="list-style-type: none"> - CCTV systems - Automated threat detection - Facial, iris, fingerprint or palm recognition systems 	





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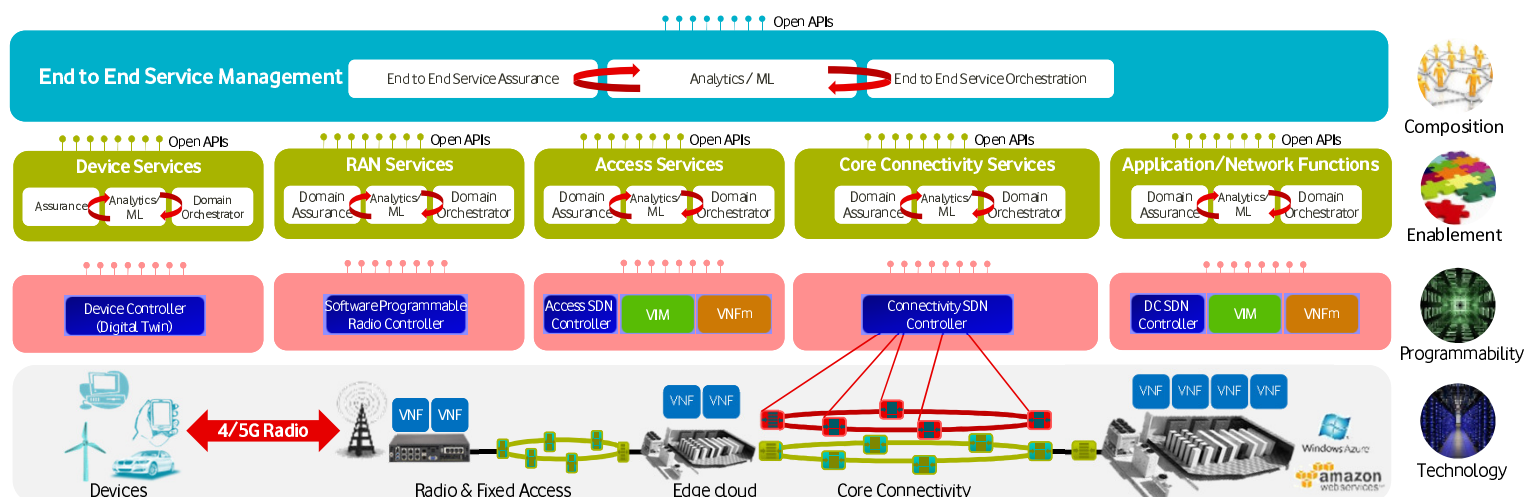
Awesome Reference Architectures





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Vodafone Reference Architecture



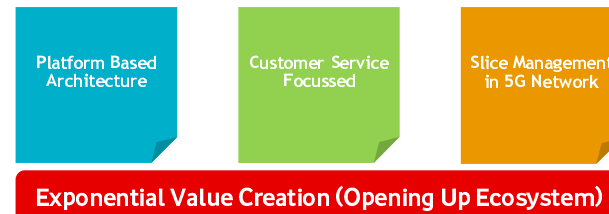
- Programmable Software Platform to Enable Innovative Services
- Seamless service to customers
- Federated Programmable Environments
- System to system communication via APIs



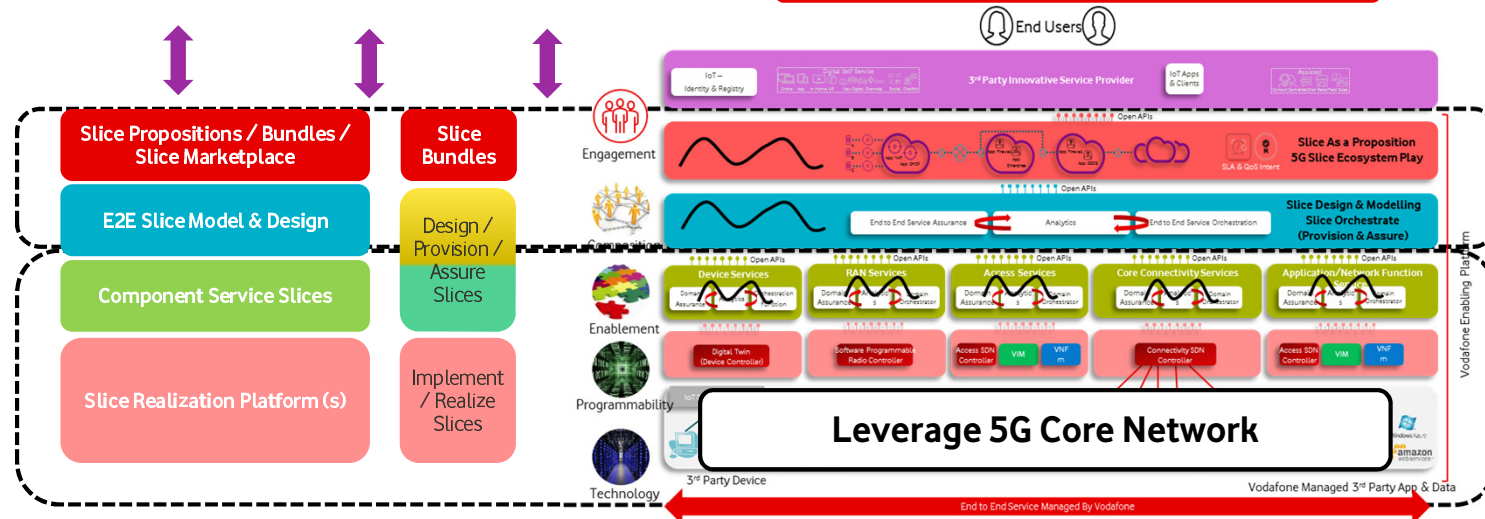
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Verticals & Models

- ✓ Creation of New Services underpinning **5G NR / Spectrum / Core Network**
- ✓ **Ecosystem Play** / Is "5G Platform" the Killer Use Case ? TMF ODA / Ocean / APIs
- ✓ **Slice Management** (Model / Design, Provision & Assure, Exposure / Verticalize)
- ✓ Hierarchical Slice Management (E2E Service Slice / Component Service Slices)
- ✓ SLA / QoS / **Automated** Provisioning & Management of **Slices**
- ✓ Hot Spots for 5G Development / Focus in **IT / Automation Set Up** (BSS and OSS Stack)
- ✓ **Service Responsiveness** over 5G from Customer' s Perspective



"Creating New Services & Generating Revenue for 5G"

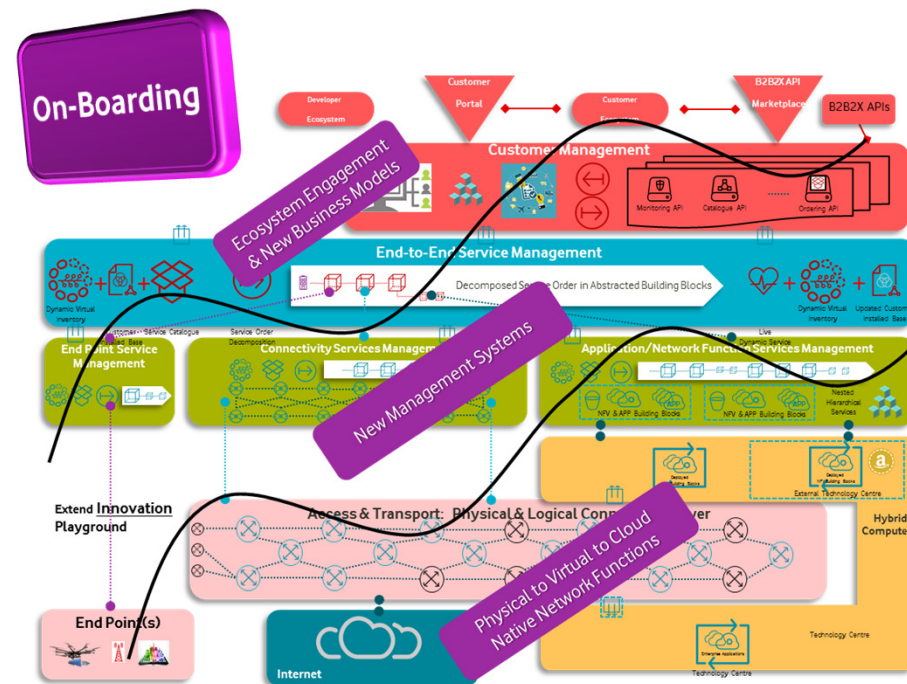
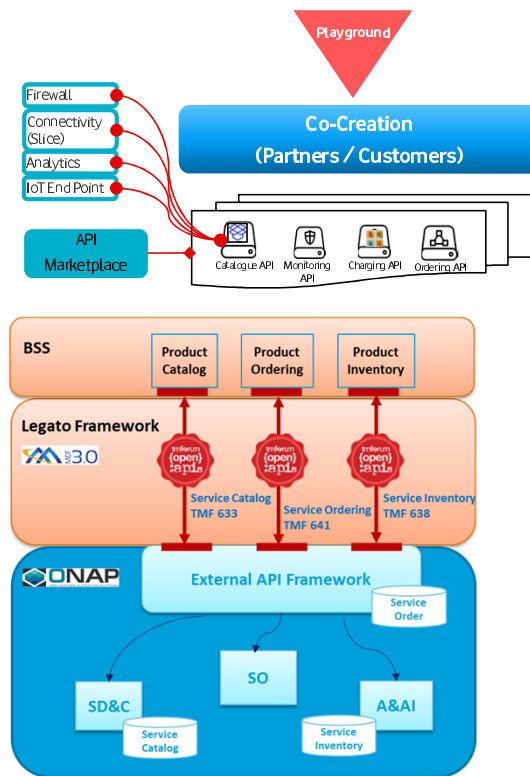




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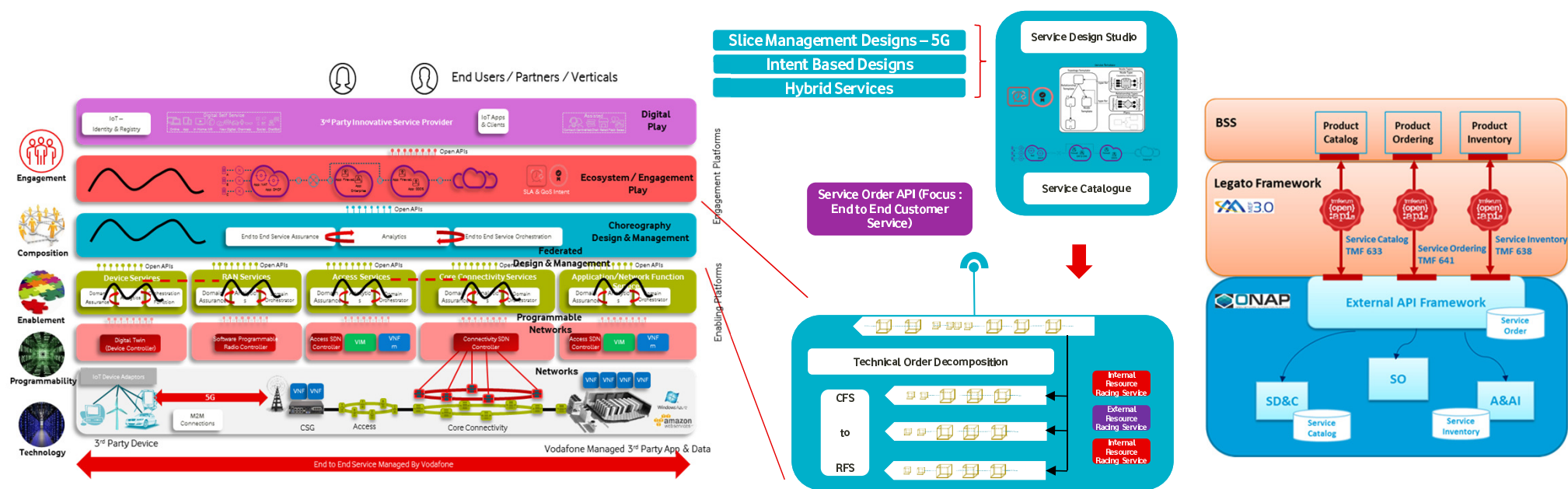
Verticals & Models

Enablers and Engagements





Models and Execution



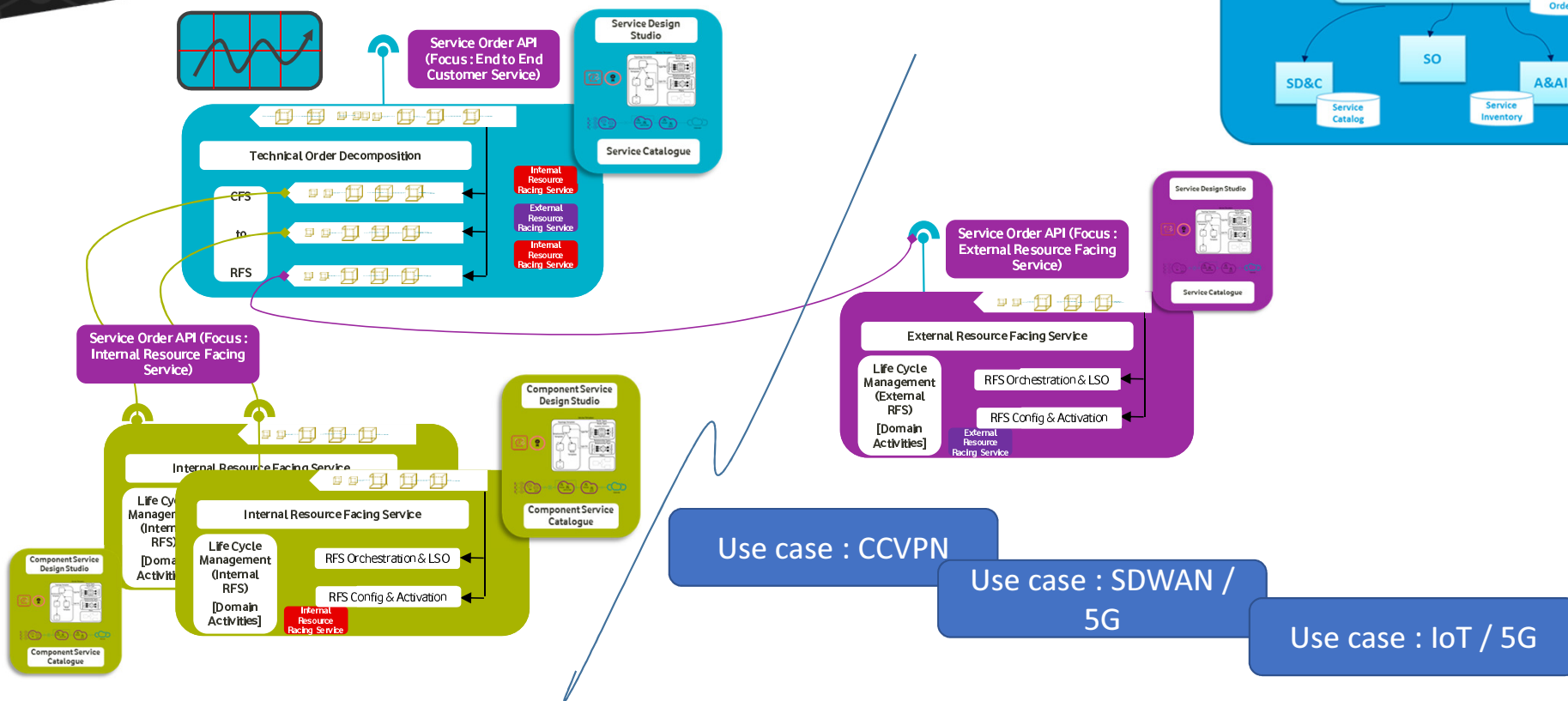


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Models & Execution





Questions ?

Thoughts ?

Suggestions ?