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Service platforms and basic infrastructure - major technology changes

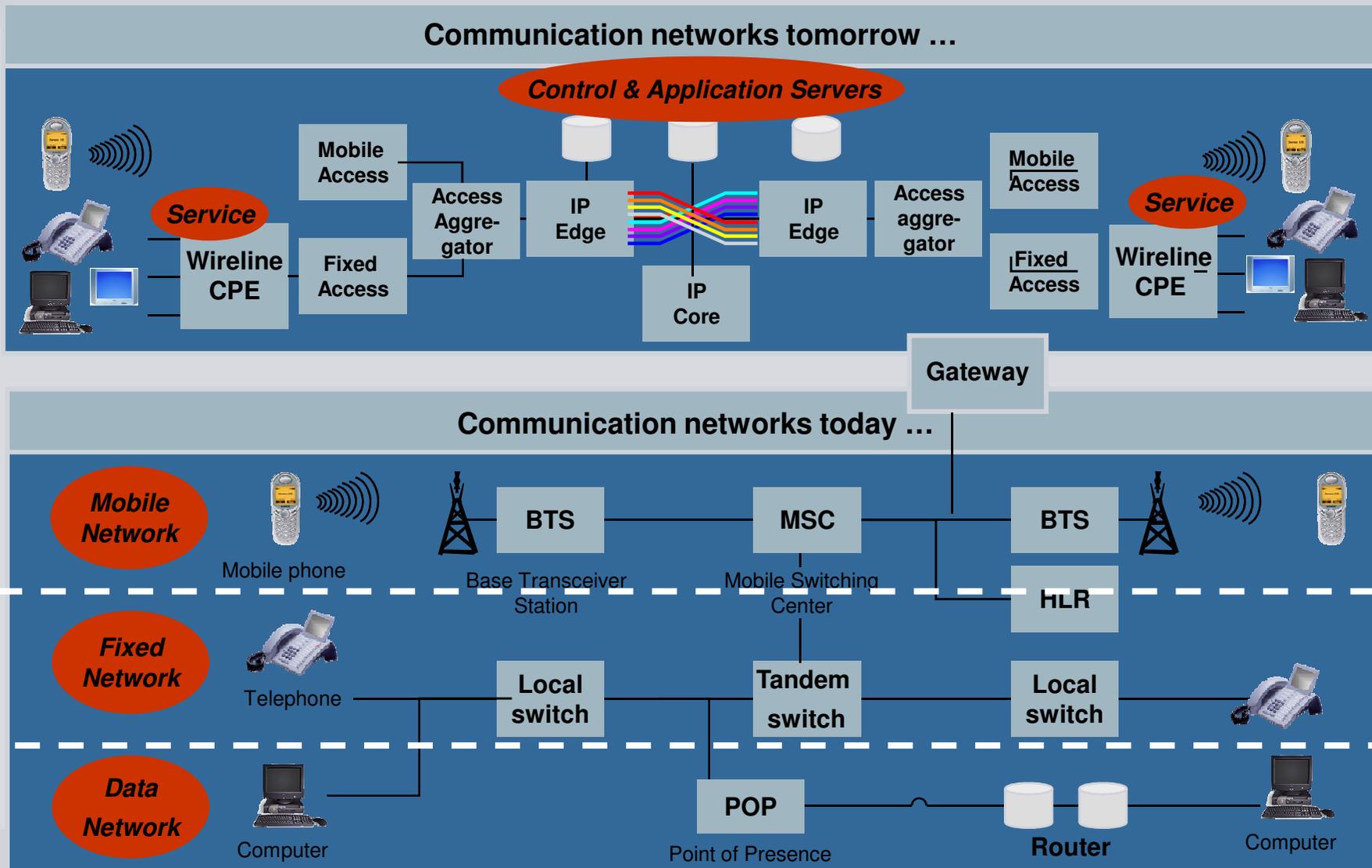
Dr. Stephan Scholz

Siemens Networks GmbH & Co. KG

Carrier Development

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Technology transformation – from "single" service networks to IP-based server architecture



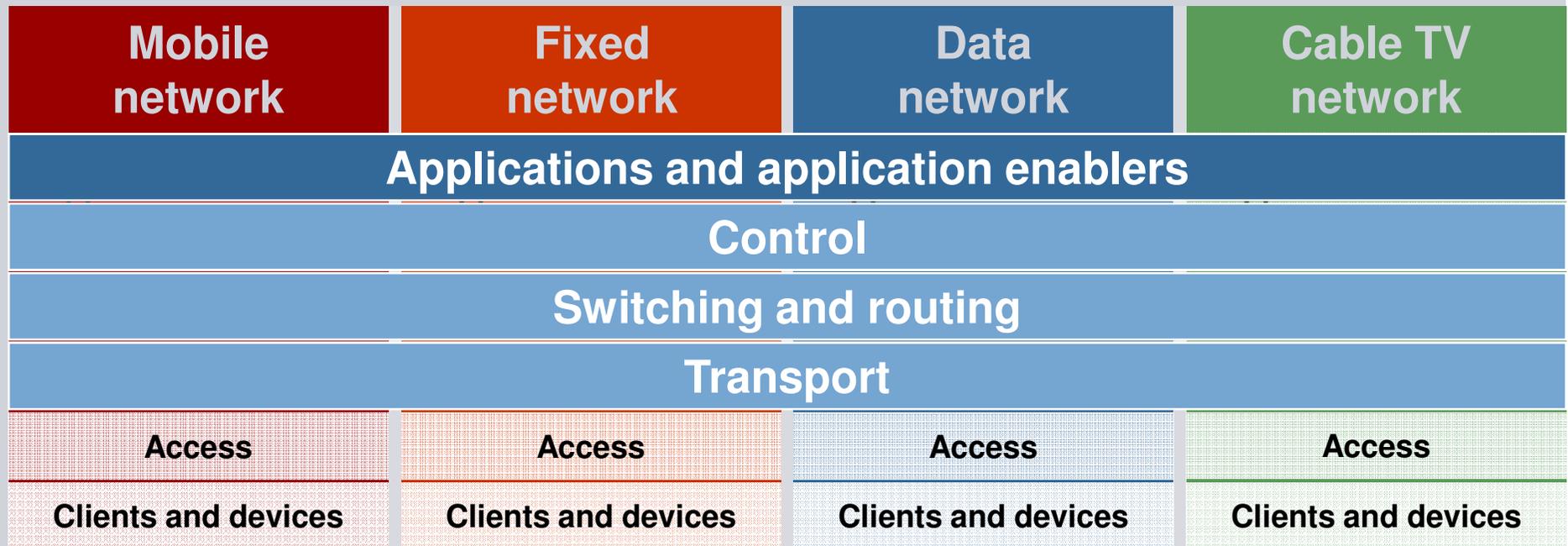
The transition from vertical, single-purpose networks...

Mobile network	Fixed network	Data network	Cable TV network
Applications and application enablers			
Control	Control	Control	Control
Switching and routing	Switching and routing	Switching and routing	Switching and routing
Transport	Transport	Transport	Transport
Access	Access	Access	Access
Clients and devices	Clients and devices	Clients and devices	Clients and devices



**...to a horizontal, multi-purpose network
for every type of access and device...**

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...and faster, more efficient provisioning of new services – introducing the Service Delivery Framework

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Service Delivery Framework

Control

Switching and routing

Transport

Access

Access

Access

Access

Clients and devices

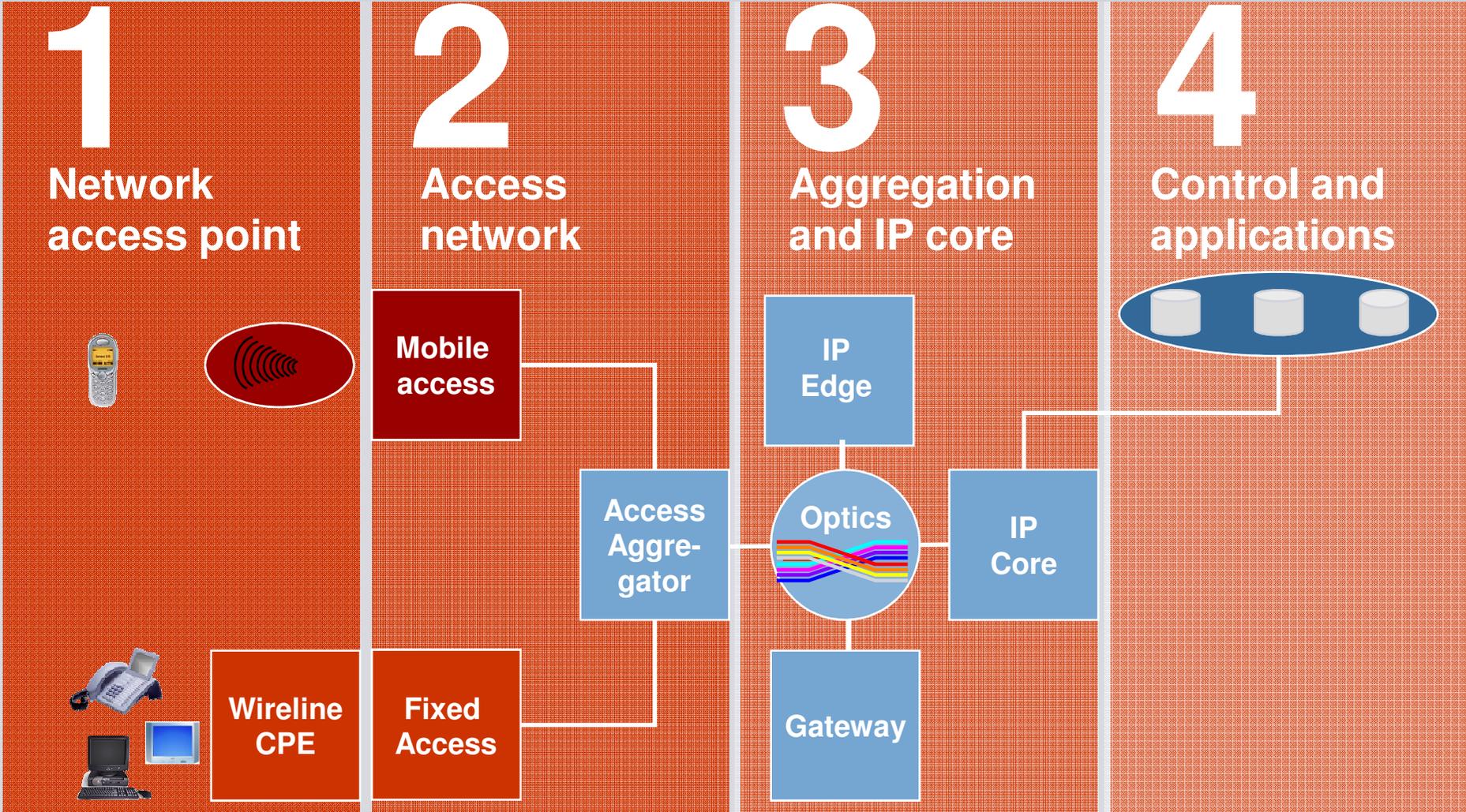
Clients and devices

Clients and devices

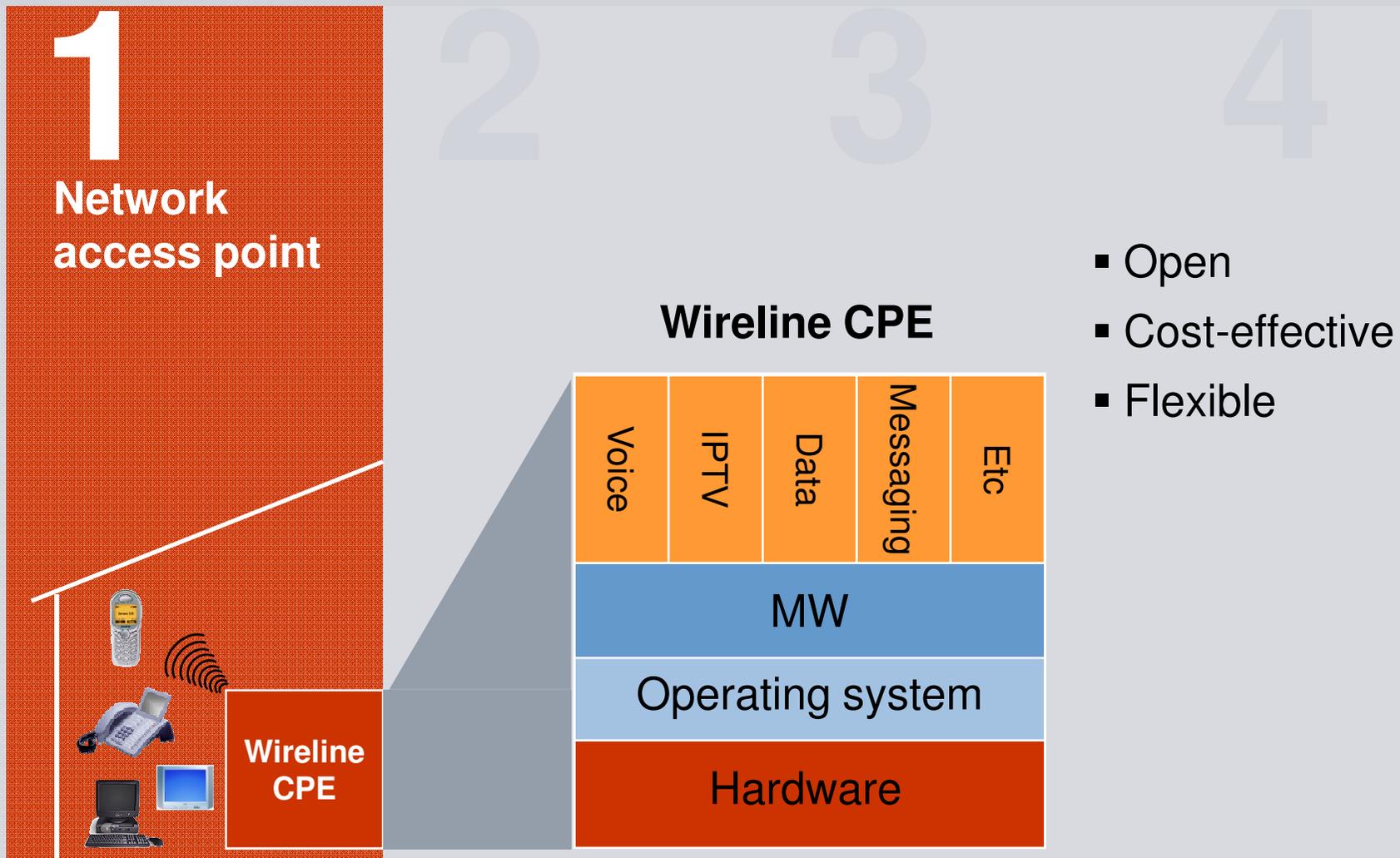
Clients and devices



The new network topology from end to end



At home – one smart box for all services



Access network ... according to different physics

1

2

3

4

Access network

Mobile access

Fixed Access

Physics:
the right frequency spectrum and standard for each scenario (UMTS/HSDPA, WiMAX, etc.)

Physics:
copper, coaxial cable, fiber

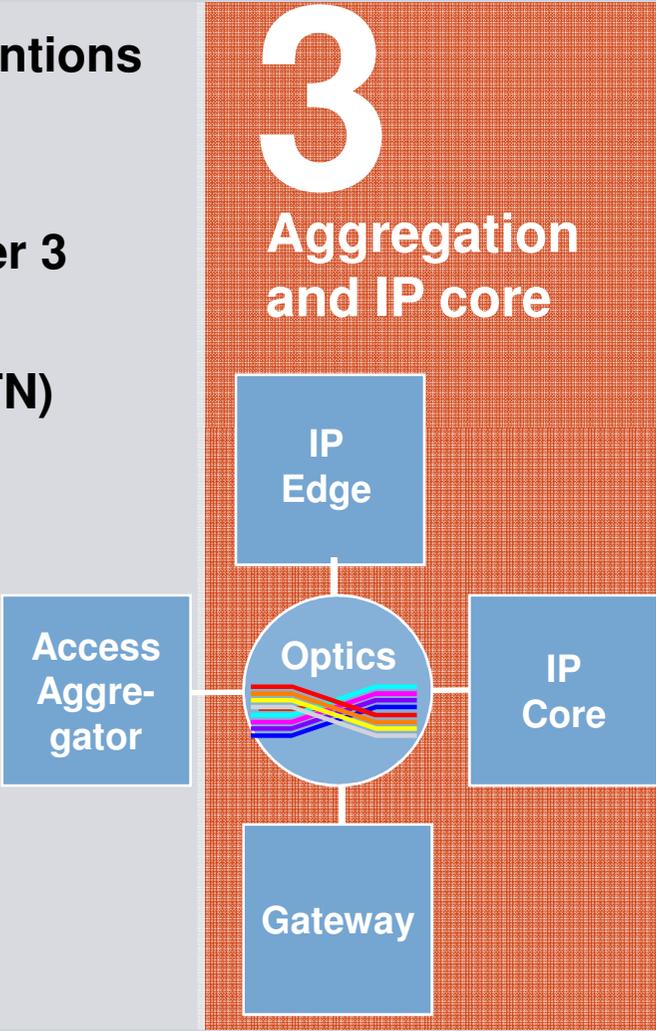
Aggregation, Edge and Core: Ethernet, IP, Optics

Intelligent IP-Edge combines functions from control & routing

IP Core: high performance Layer 3

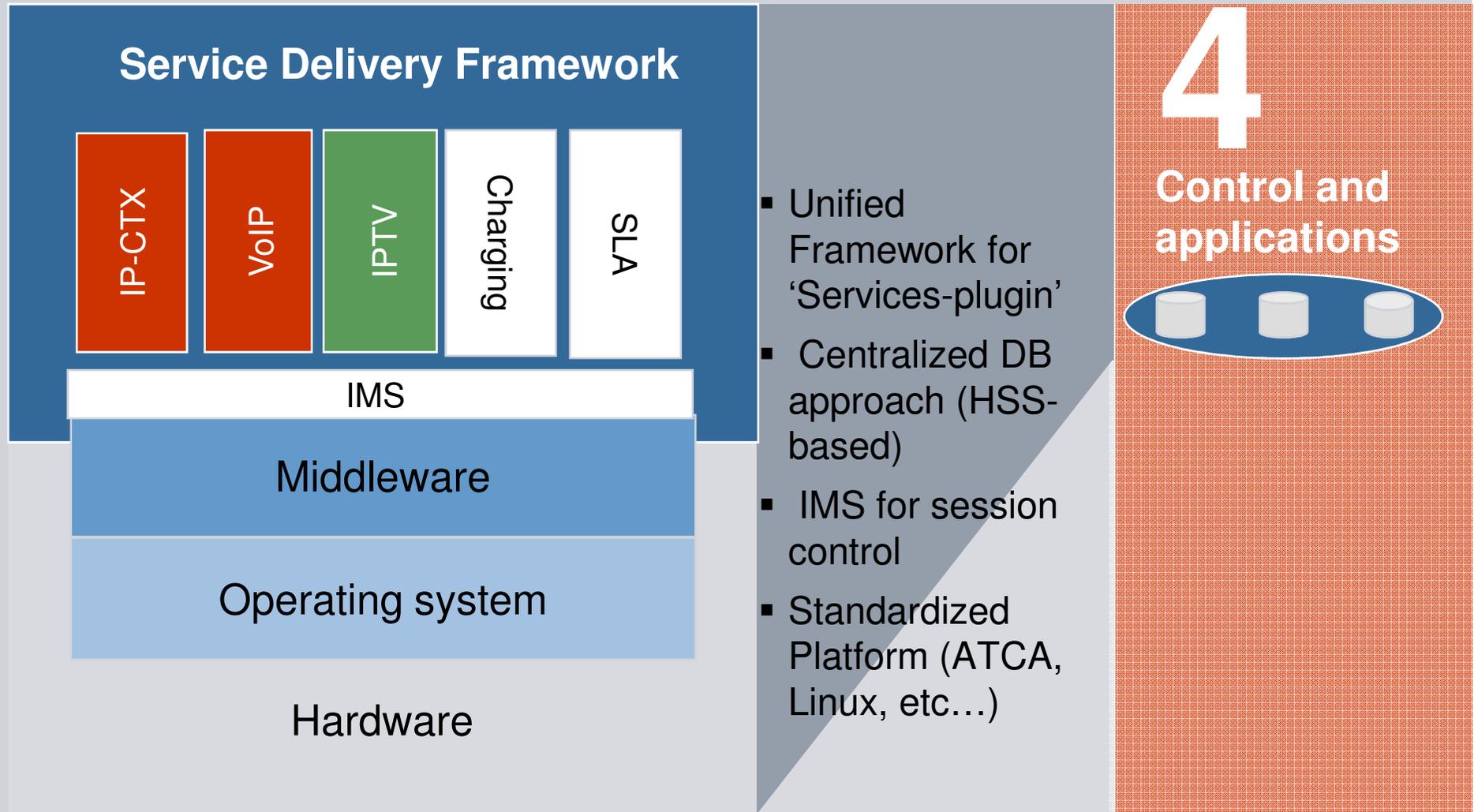
Gateway to Legacy (PLNM, PSTN)

Longhaul & Metro – all optics



Control and Applications: Fast and efficient provisioning of new services

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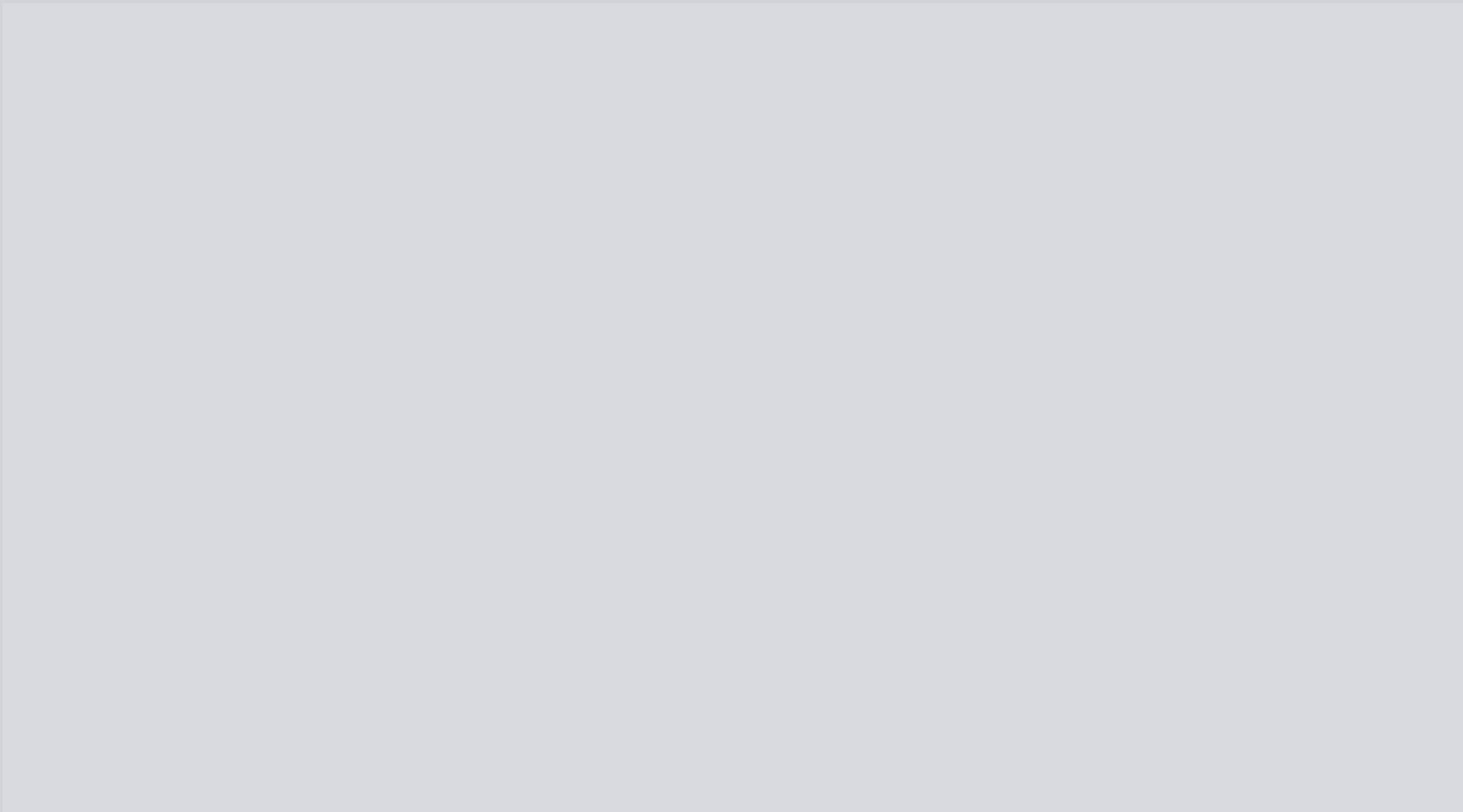
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Thank you!

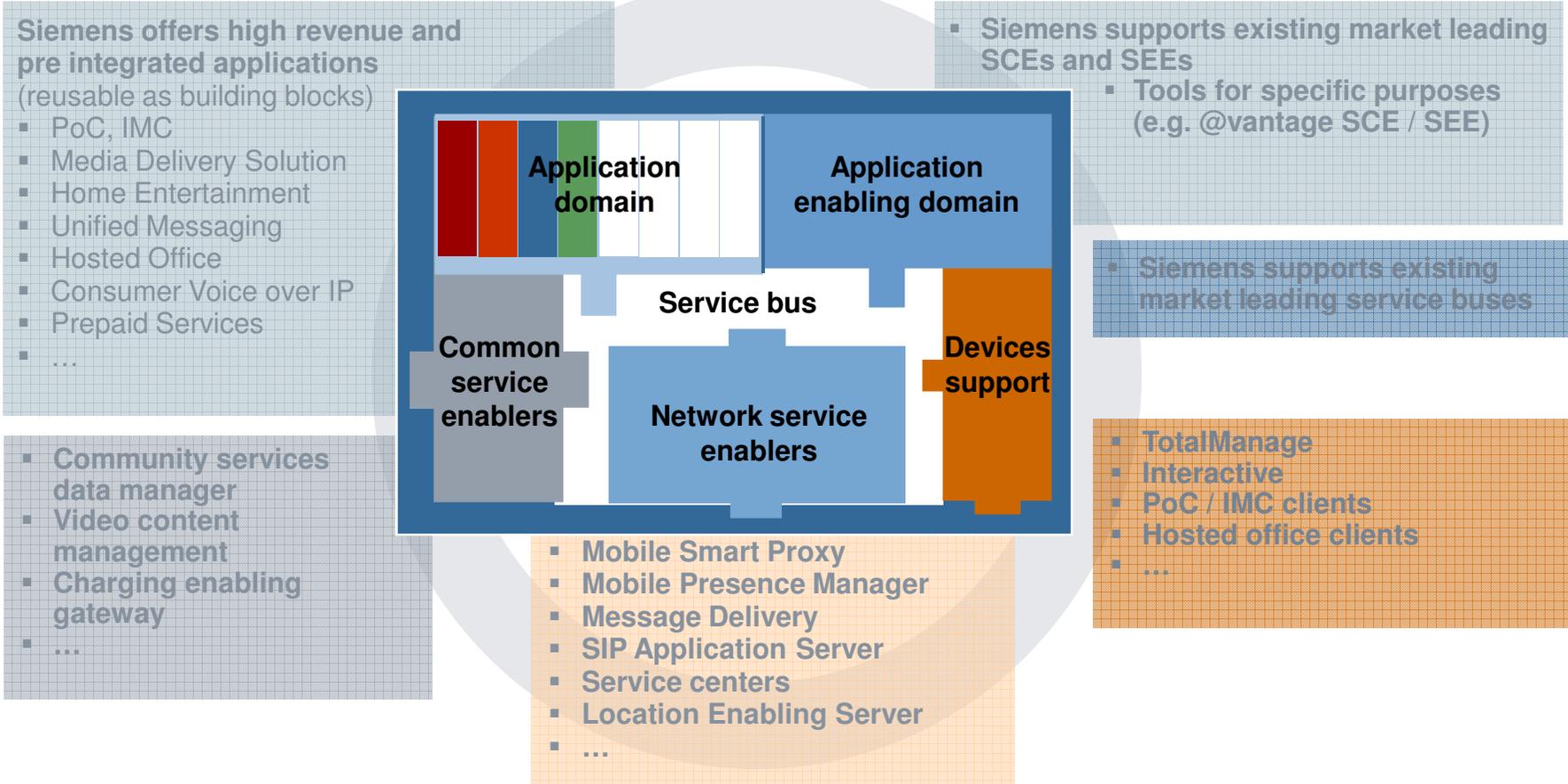


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BACKUP



A look inside the Service Delivery Framework



Siemens already has a broad portfolio of SDF components