



ERICSSON

# ESTABLISH LEADERSHIP IN TARGETED AREAS - PROGRESS



# Introduction to Targeted areas



RIMA QURESHI

Head of Strategy

# STRATEGIC DIRECTION 2015 TARGETED AREAS



# STRATEGIC DIRECTION 2015

## TARGETED AREAS



- › IP Core, Edge, Metro incl Mobile Backhaul, Ethernet Access Devices
- › Related Services

- › Operator Cloud Infrastructure incl Mgmt
- › Network Function Virtualization
- › Transformation Services

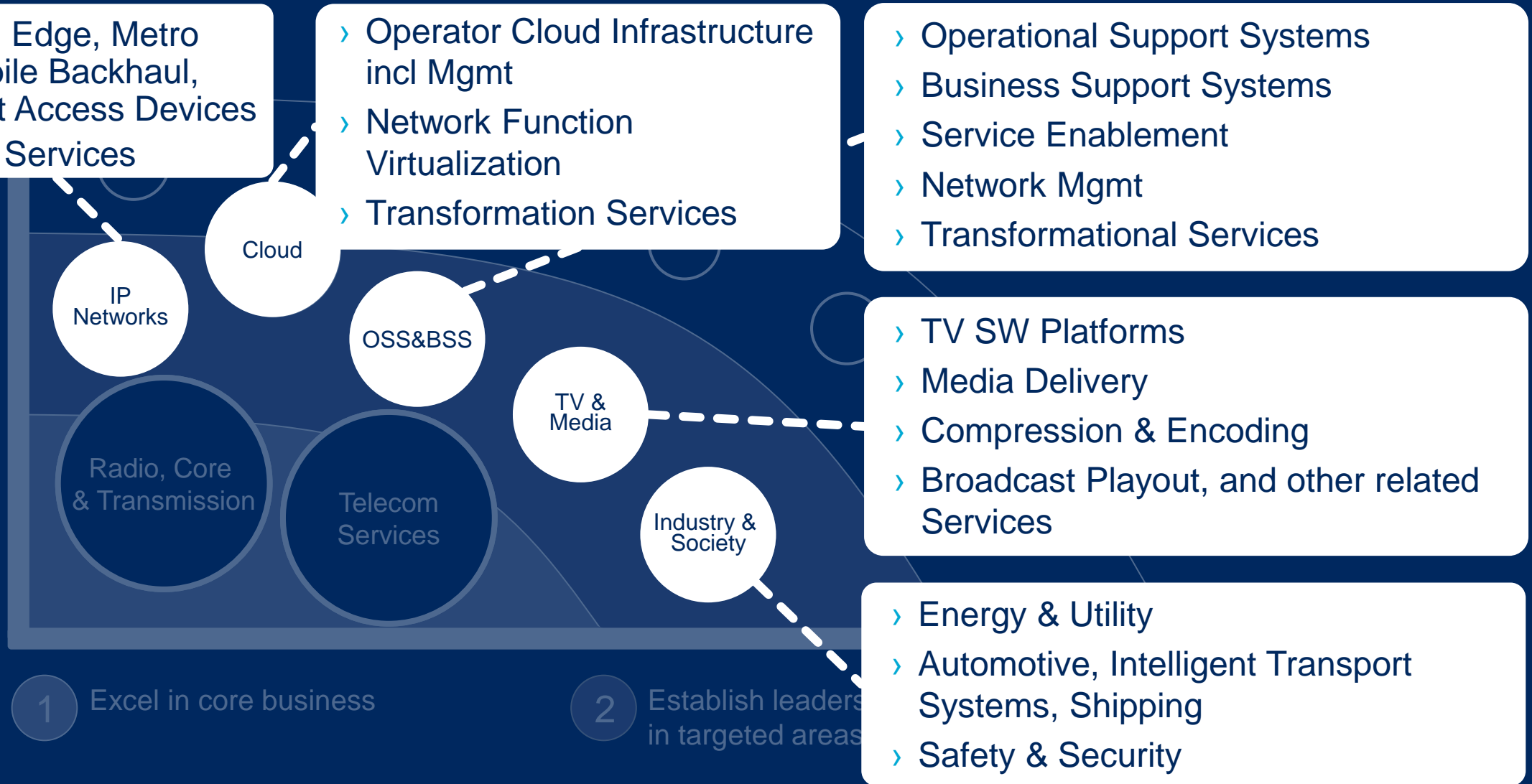
- › Operational Support Systems
- › Business Support Systems
- › Service Enablement
- › Network Mgmt
- › Transformational Services

- › TV SW Platforms
- › Media Delivery
- › Compression & Encoding
- › Broadcast Playout, and other related Services

- › Energy & Utility
- › Automotive, Intelligent Transport Systems, Shipping
- › Safety & Security

Emerging

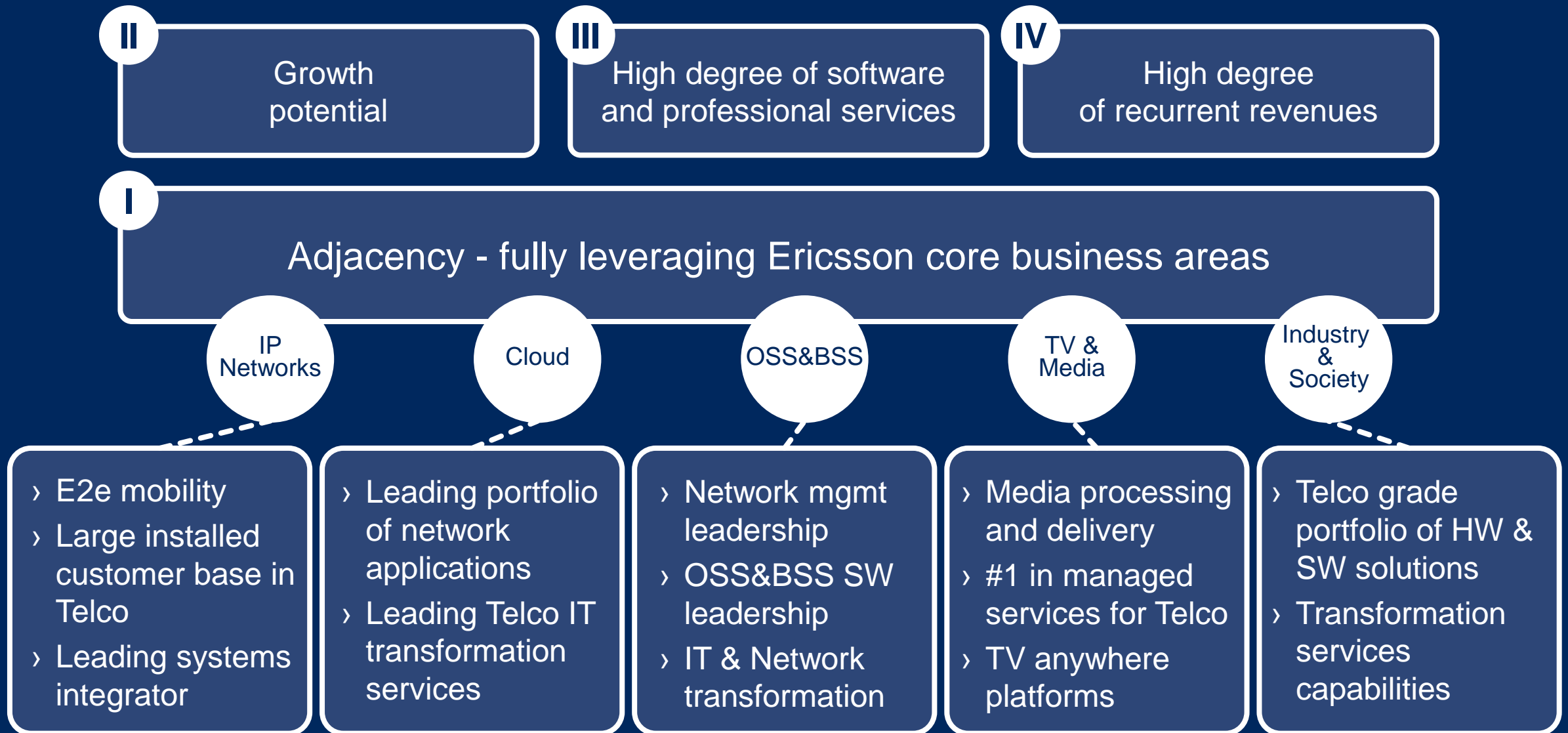
Present/  
Large



1 Excel in core business

2 Establish leadership in targeted areas

# CRITERIA FOR TARGETED AREAS





# RESOURCE ALLOCATION






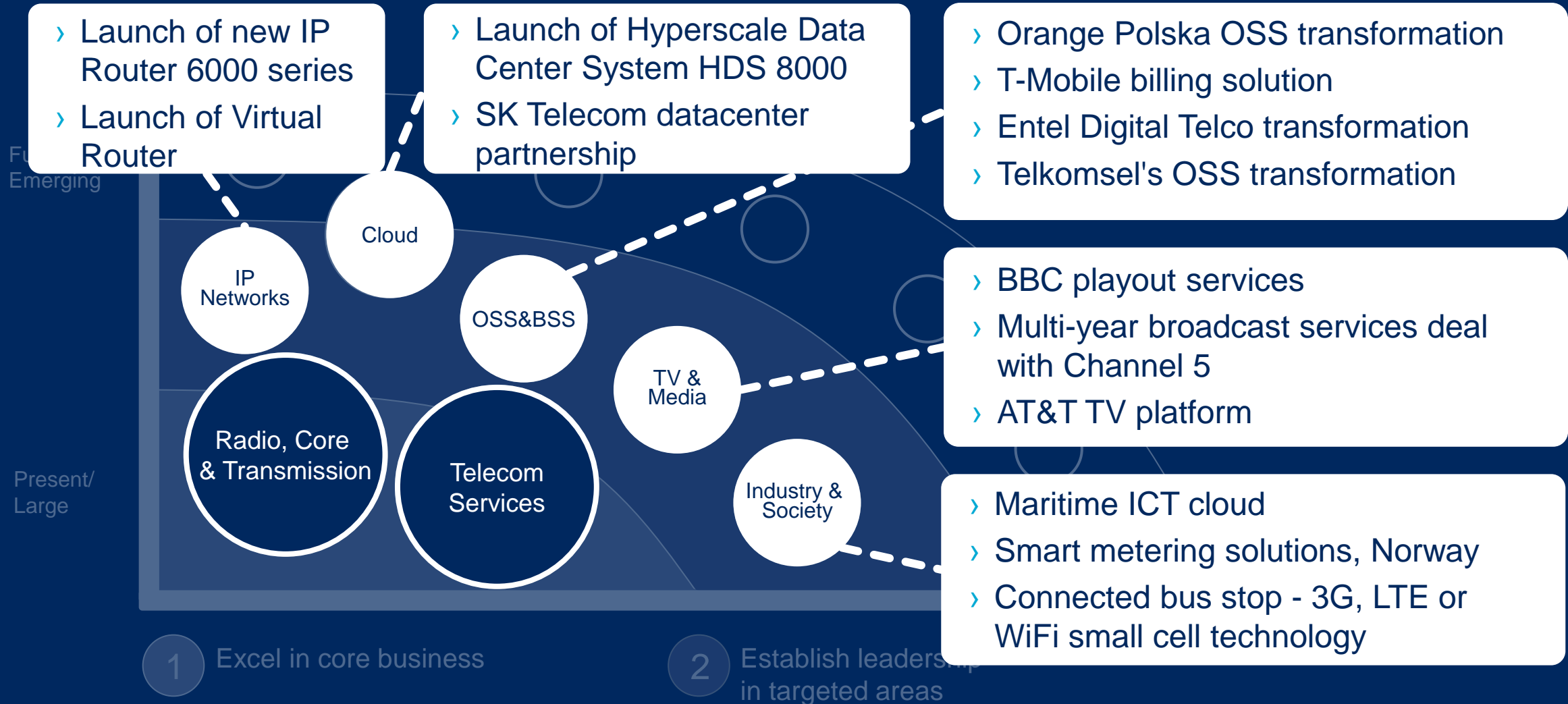
# INVESTMENTS ACROSS CORE, TARGETED AND NEW AREAS



	Excel in core business	Establish leadership in targeted areas	Expand business in new areas
R&D	Majority of investments to maintain leadership and drive innovation 	Increasing investments for growth, win leadership position 	Selectively expand in long-term opportunities 
Mergers and Acquisitions	Consolidate and drive synergies for industry & technology leadership 	Strengthen offering and boost market footprint 	Develop new platforms and capabilities for growth 
Partnering and Venture investments	Maintain leadership by pursuing cutting edge technology advances 	Strengthen position and gain scale by expanding scope of offering 	Explore nascent technology, skills and business models 

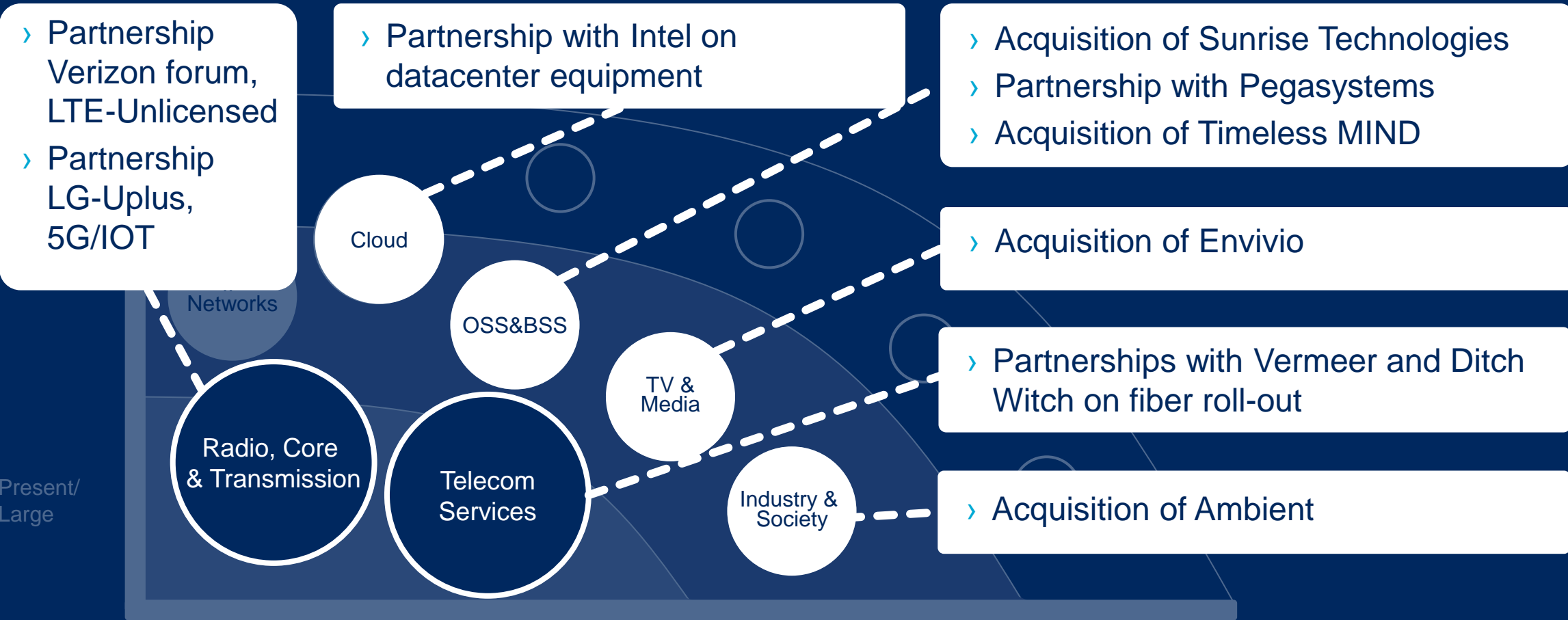
 Significant focus
  Increasing focus
  Selective focus

# PROGRESS IN TARGETED AREAS LAST 12 MONTHS





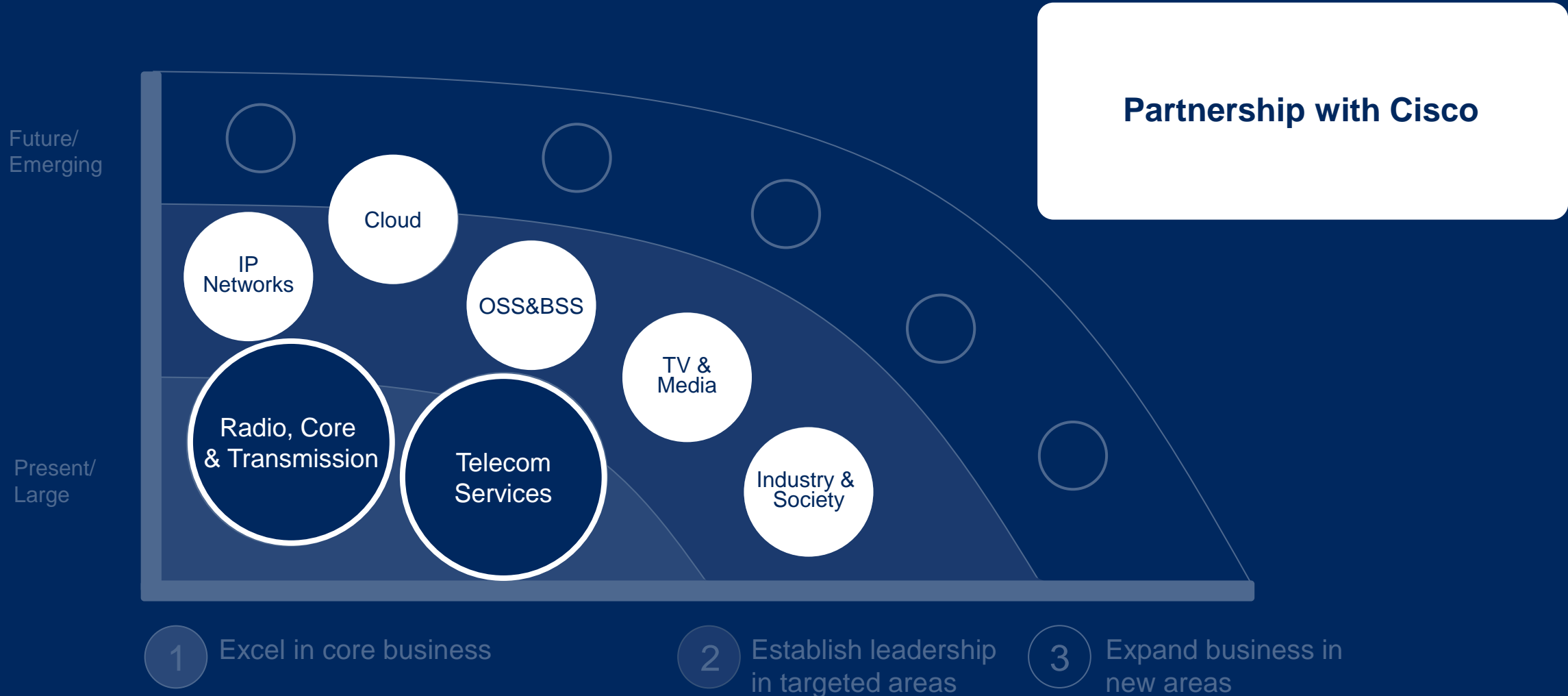
# ACQUISITIONS AND PARTNERSHIPS LAST 12 MONTHS



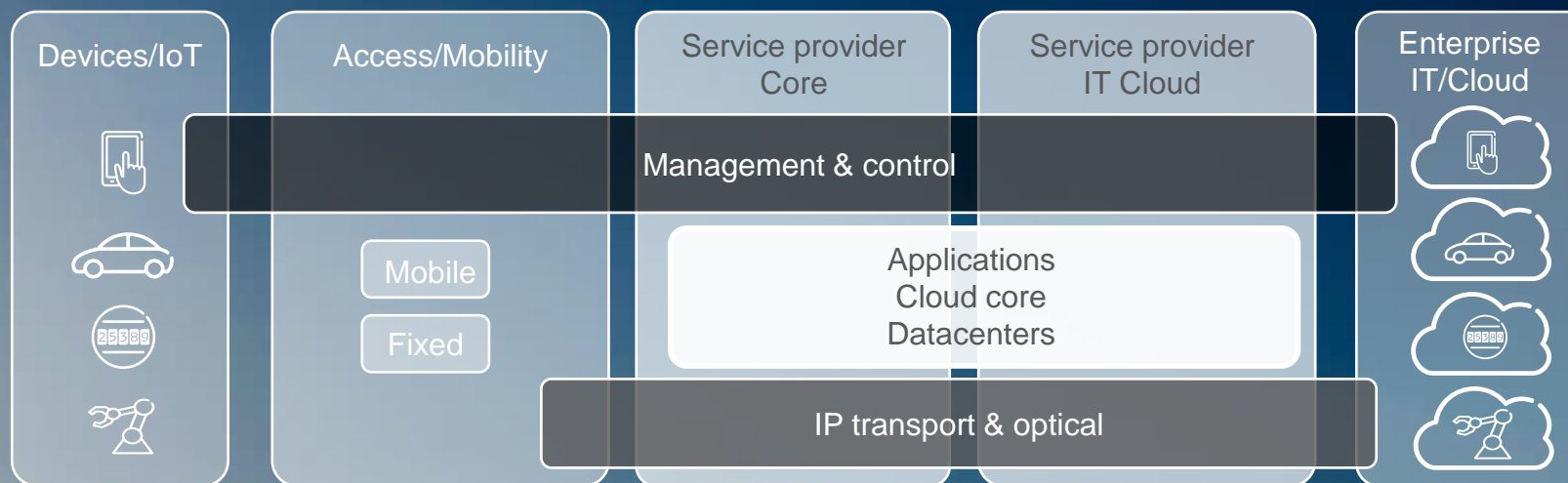
1. Excel in core business      2. Establish leadership      3. Expand business in

M&A strategy remains - strengthen competitive assets and accelerate profitable growth

# ACQUISITIONS AND PARTNERSHIPS LAST 12 MONTHS



# ACCELERATED INNOVATION & GROWTH



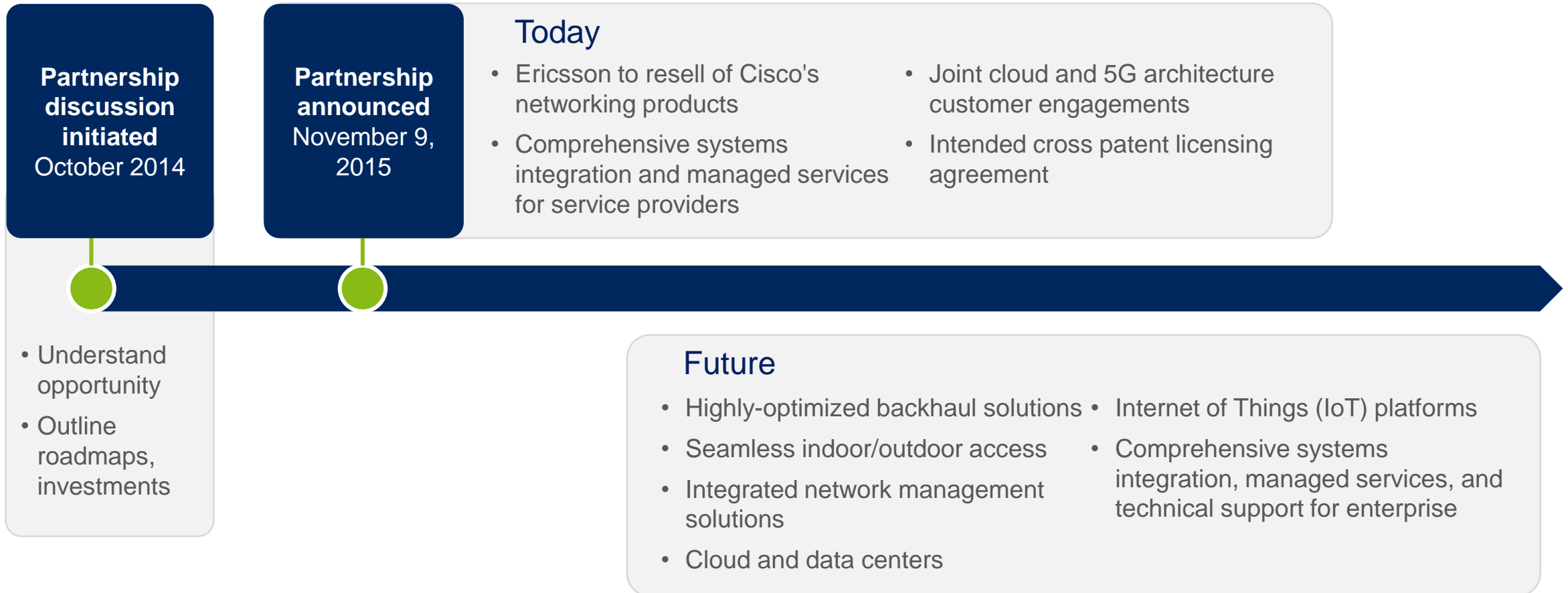
Future networks – *agile, autonomous & secure*

End to end portfolio  
- *Across all domains*



Industry leadership  
- *Scale & services capability*

# EXTENSIVE INTERACTION CONTINUES TO GAIN MOMENTUM







**ERICSSON**

Targeted area: TV & Media



PER BORGKLINT

Head of Support Solutions



# ENABLING THE FUTURE OF TELEVISION





# AGENDA



Industry trends

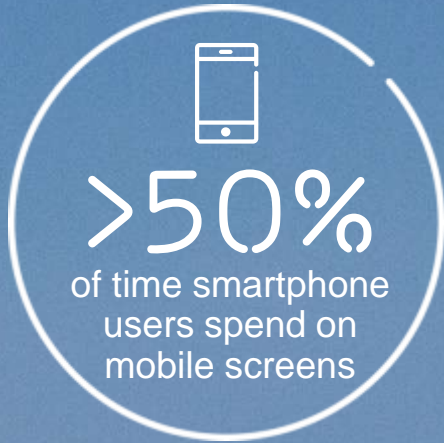
Market outlook

Strategy execution

Strategy going forward



# THE MEDIA EXPERIENCE WILL CHANGE MORE IN THE NEXT 5 YEARS THAN IT HAS IN THE LAST 60 YEARS



**TV: FROM BOX TO  
EXPERIENCE**

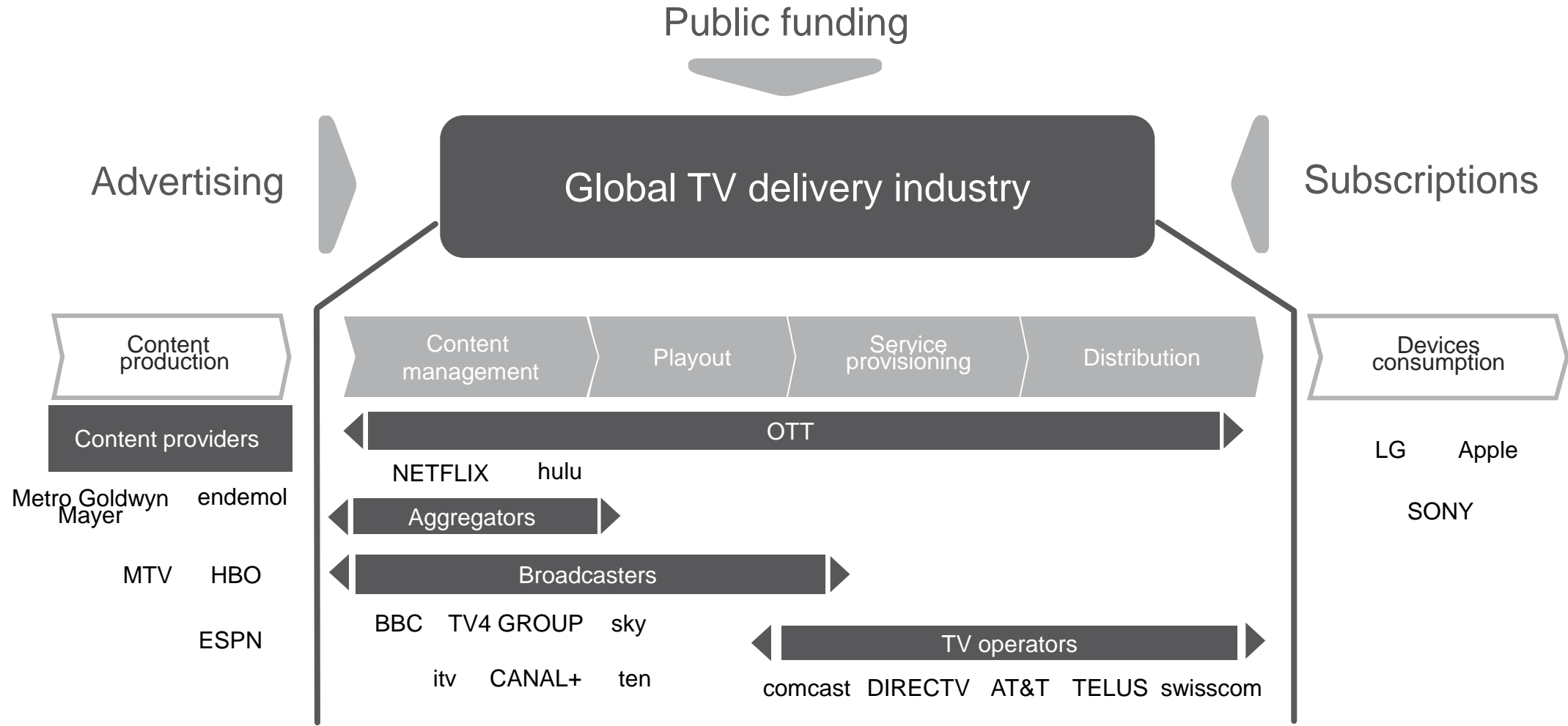


**THE CONVERGED  
MEDIA EXPERIENCE**



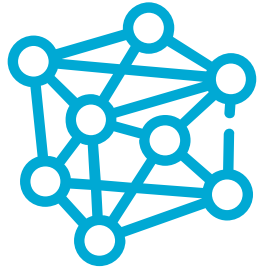
**PERSONALIZATION  
AND TARGETING**

# TV & MEDIA INDUSTRY OVERVIEW



**Ericsson focus – Content management to distribution**

# ERICSSON HIGHLY RELEVANT AND WELL POSITIONED IN GROWING TV & MEDIA MARKET



Fragmented, transforming and fast growing market without clear leader



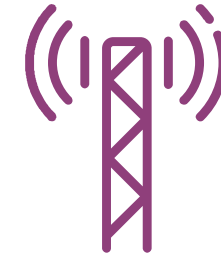
Opportunity for leadership position in large market



70% of all mobile data traffic will be from video by 2021 growing by 55% annually



Mobility, video delivery and experience will be key

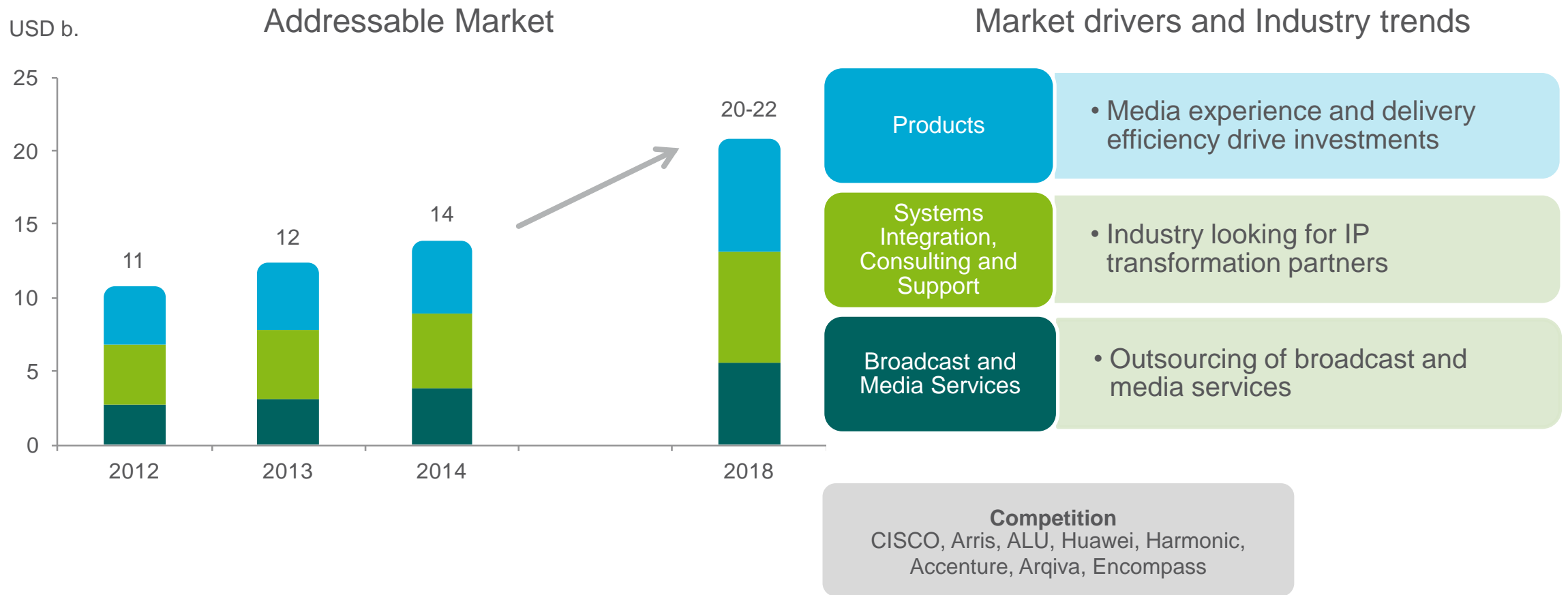


Telecom operators and Pay TV operators are merging



Increased focus on TV & Media among customers

# TV AND MEDIA MARKET DRIVERS



**CAGR 2014-2018: 10-12%**





# ERICSSON TO INTEGRATE AT&T TV PLATFORM





MEDIAFIRST TV PLATFORM  
DELIVERS NEXT GENERATION  
TV EXPERIENCE FOR TELUS





BBC AWARDS MULTI-YEAR  
PLAYOUT SERVICES DEAL  
TO ERICSSON

VIDEO  
COMPRESSION  
LEADERSHIP WITH  
ENVIVIO  
ACQUISITION

envivio®





# GOOD PROGRESS ON STRATEGY EXECUTION



## STRATEGY

Strengthen leadership position in IPTV platforms building on existing footprint

Establish a differentiated position in video processing and video centric networks

Excel in video transformation through our professional and managed services capabilities

Leverage our global reach, services and technology leadership

## ACHIEVEMENTS LAST 12 MONTHS

- ✓ MediaFirst TV Platform has general availability
- ✓ Telus to implement MediaFirst TV Platform
- ✓ Agreement with AT&T signed

- ✓ Acquisition of Envivio
- ✓ Announcement of CloudDVR with Swisscom
- ✓ Telstra CDN as a Service

- ✓ 7 year playout services deal signed with BBC
- ✓ Multi-year services deal with Channel 5
- ✓ ITV's main linear playout service until 2024

- ✓ Prime integrator for over 50+ transformations
- ✓ 15 Media hubs worldwide
- ✓ Total of 6 Emmys

# PROVEN STRATEGY REMAINS



## STRATEGY

Strengthen leadership position in IPTV platforms building on existing footprint

Establish a differentiated position in video processing and video centric networks

Excel in video transformation through our professional and managed services capabilities

Leverage our global reach, services and technology leadership

## WANTED POSITION

The leader in the IP transformation of TV & Media

# KEY TAKEAWAYS



TV & Media is a large and growing market -  
great opportunity for Ericsson

Addresses essential need of current Telco customers and  
takes Ericsson into cable, satellite and broadcast

Ericsson executing to be the partner of choice for the IP  
transformation of media



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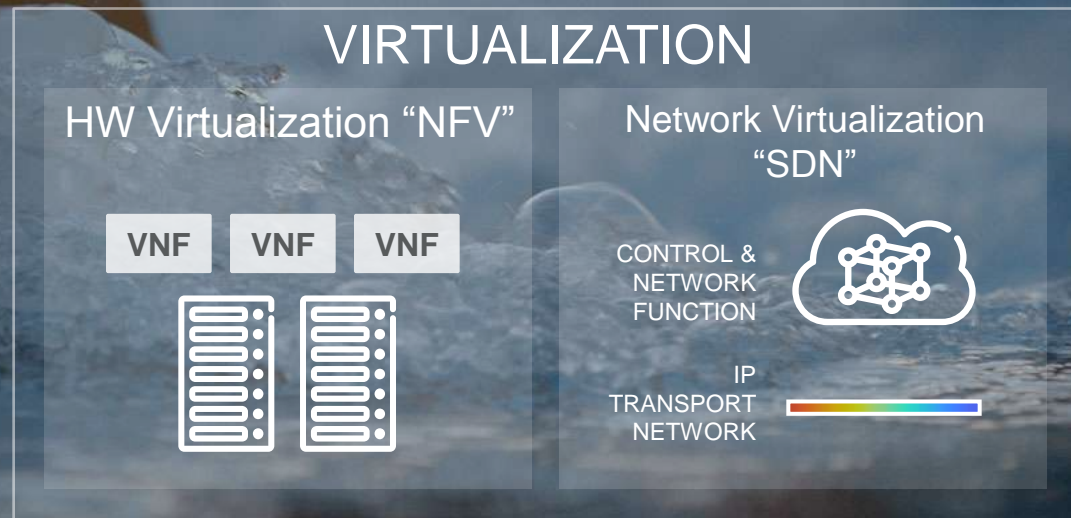
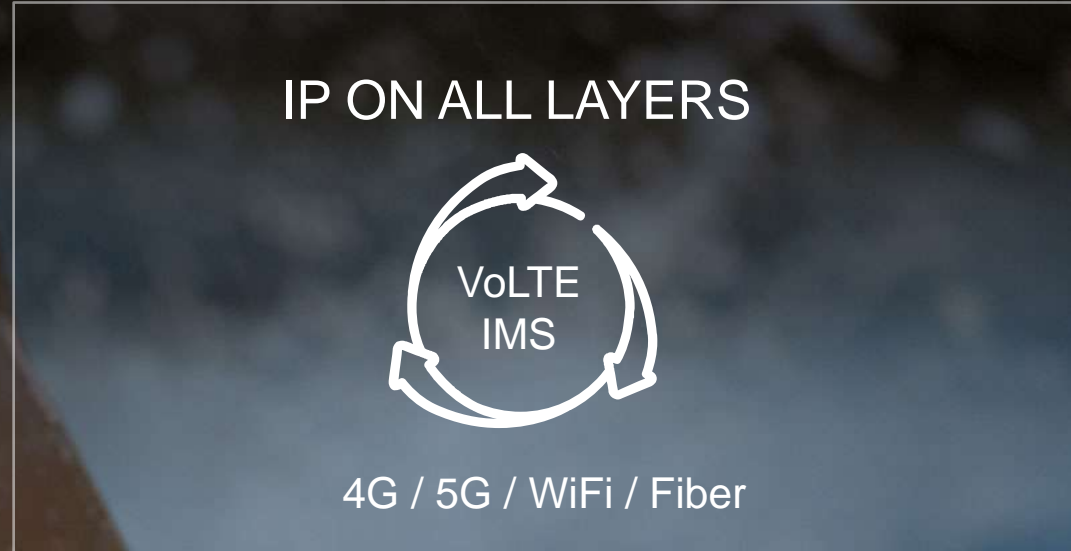
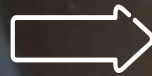
Cloud and IP



# ANDERS LINDBLAD

Head of Business Unit Cloud and IP

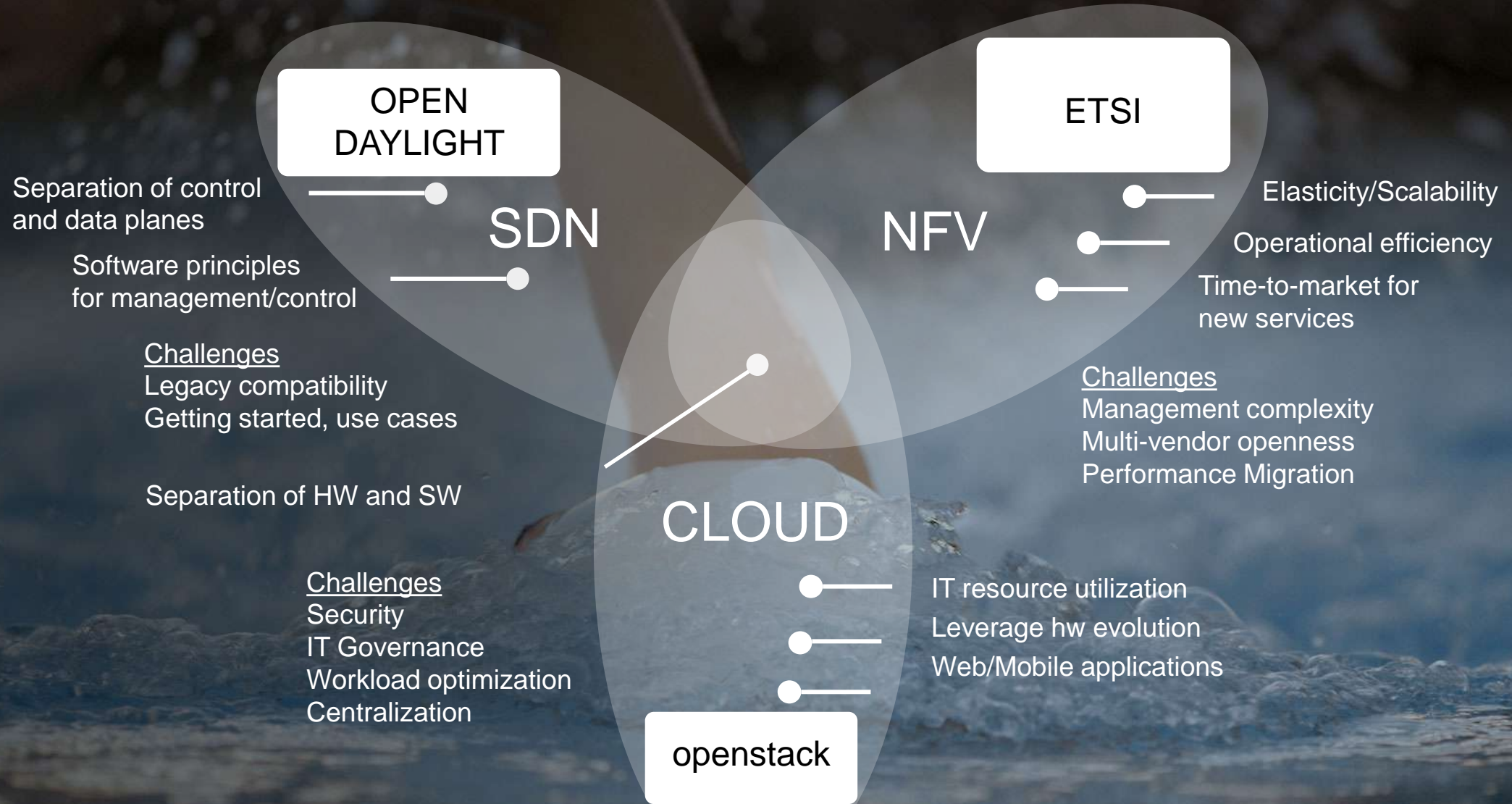
# OPERATORS AFFECTED BY TWO MAJOR SHIFTS





# NEXT GENERATION NETWORK

BUILD WITH SDN, NFV AND CLOUD TECHNOLOGY





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TARGETED AREA: IP



# AGENDA



Strategy recap and progress

Market outlook and industry trends

Strategy going forward

# EXECUTION ACCORDING TO 2014 STRATEGY



- › New family of products to complete the portfolio
  - Router 6000
    - › Backhaul integrated with radio
  - Ericsson Virtual Router
    - › New data centers and virtualization
  - First contract secured for Router 6000
- › Investment in common management and our own operating system (IPOS)
- › Good traction for fixed IP applications on SSR 8000
- › IP transformation services
- › 50% increase in IP certification
- › Significant increase in deep SDN engagements



# ACCELERATING OUR IP STRATEGY



- › Ericsson IP strategy is on track
- › We have taken the opportunity to enhance our IP strategy through partnership
- › This partnership will accelerate our ambitions to lead in the Networked Society



**ERICSSON**



**CISCO**



# AGENDA



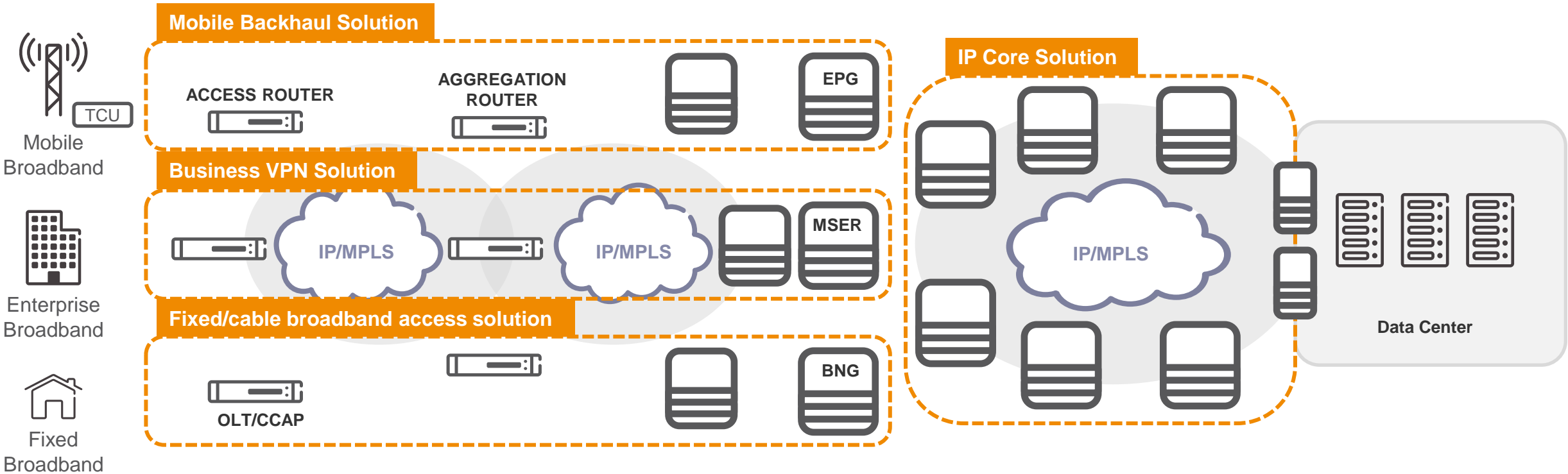
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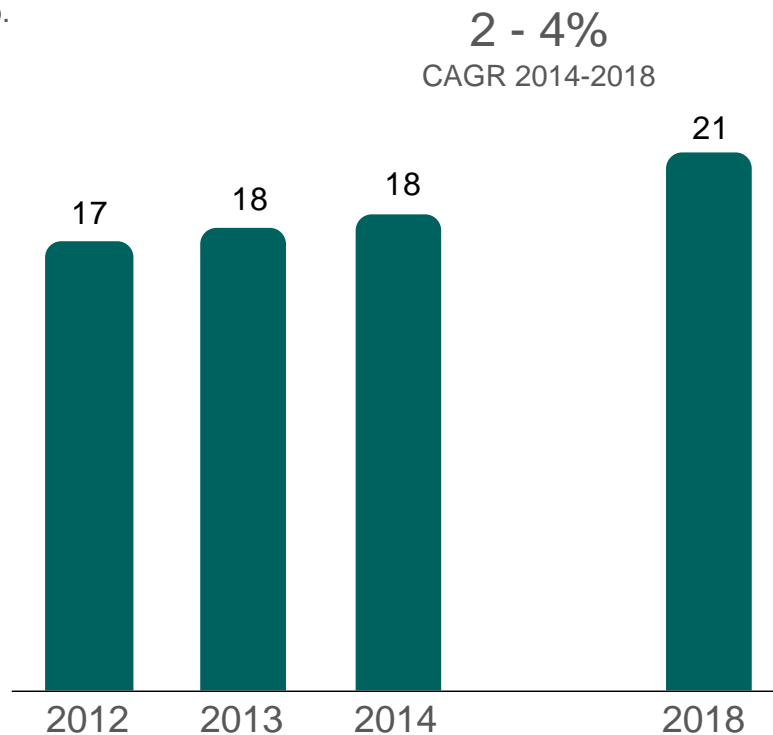
# OUR OFFERING BY IP E2E SOLUTIONS



# IP MARKET AND OUTLOOK



USD b.



## Market drivers

- › Traffic increase – performance
  - Backhaul optimization
  - Network simplification
- › Service innovation - personalization
- › Programmable network - agility
- › Efficient service delivery

Included: IP edge, Metro aggregation, IP core, EAD, Systems integration, Consulting and support

# AGENDA



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Strategy going forward



# STRATEGY GOING FORWARD



Complete IP portfolio  
end to end approach

Leverage radio and services capabilities

High attention on sales execution

Wanted position 2020

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**TOP 3**

in IP networking for operators



# KEY TAKEAWAYS



5G, Cloud and IoT lead to new network requirements

New solutions based on own and partner's portfolio

Partnerships to capture industry growth and value creation





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TARGETED AREA: CLOUD

# AGENDA



Recap & progress

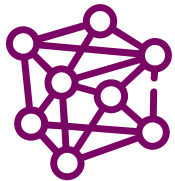
Market outlook and industry trends

Strategy going forward





# OPERATORS' THREE CLOUD TRANSFORMATION JOURNEYS



Telecom Network Transformation

Operator Telecom Cloud

Virtualized network functions e.g. vEPC, vIMS



Internal IT Transformation

Operator IT Cloud

Virtualized IT functions for internal use e.g. CRM, OSS/BSS



Commercial Cloud Offerings

Operator Commercial Cloud

Cloud offerings sold as a service (XaaS) e.g. public cloud for enterprises

# CUSTOMER TRACTION



## › SK Telecom

- Agreement to create an automated and TCO-efficient hyper scale cloud infrastructure

## › NTT DoCoMo

- Selected as solution partner for network virtualization and Cloud Manager

## › Telstra

- Jointly established Center of Excellence for programmable Networks

## › Telefonica

- Extended co-operation for network virtualization



# ERICSSON CLOUD INNOVATION



## › Launch of HDS 8000

- First lead customer signed, SK Telecom
- Winner of Leading Lights award for best new product

## › Demonstrations with AT&T

- E.g. joint demonstration of advanced container technology, powered by Apcera, for more efficient application deployment at OpenStack

## › Ericsson Cloud Manager – “NFV Innovation of the year”

## › Industry & Society offerings launched

- Connected Vehicle Cloud
- Connected Maritime Cloud
- Connected Wine yard trial with Intel





# PARTNERS, INVESTMENTS AND ALLIANCES



Cisco

intel

Cleversafe

guardtime

ABB

APCERA

sentilla

metratech

FABRIX

OPNFV

OPEN DAYLIGHT

tmforum

openstack

CLOUD FOUNDRY

IETF

ETSI

ONF

DMTF

# AGENDA



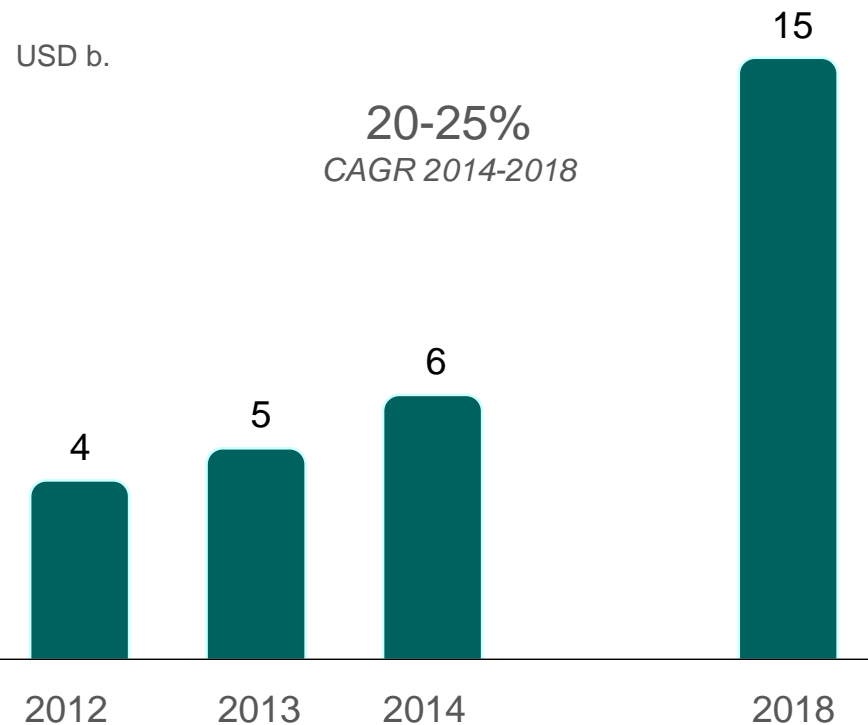
Recap & progress

Market outlook and industry trends

Strategy going forward



# OPERATOR CLOUD MARKET OUTLOOK AND DRIVERS



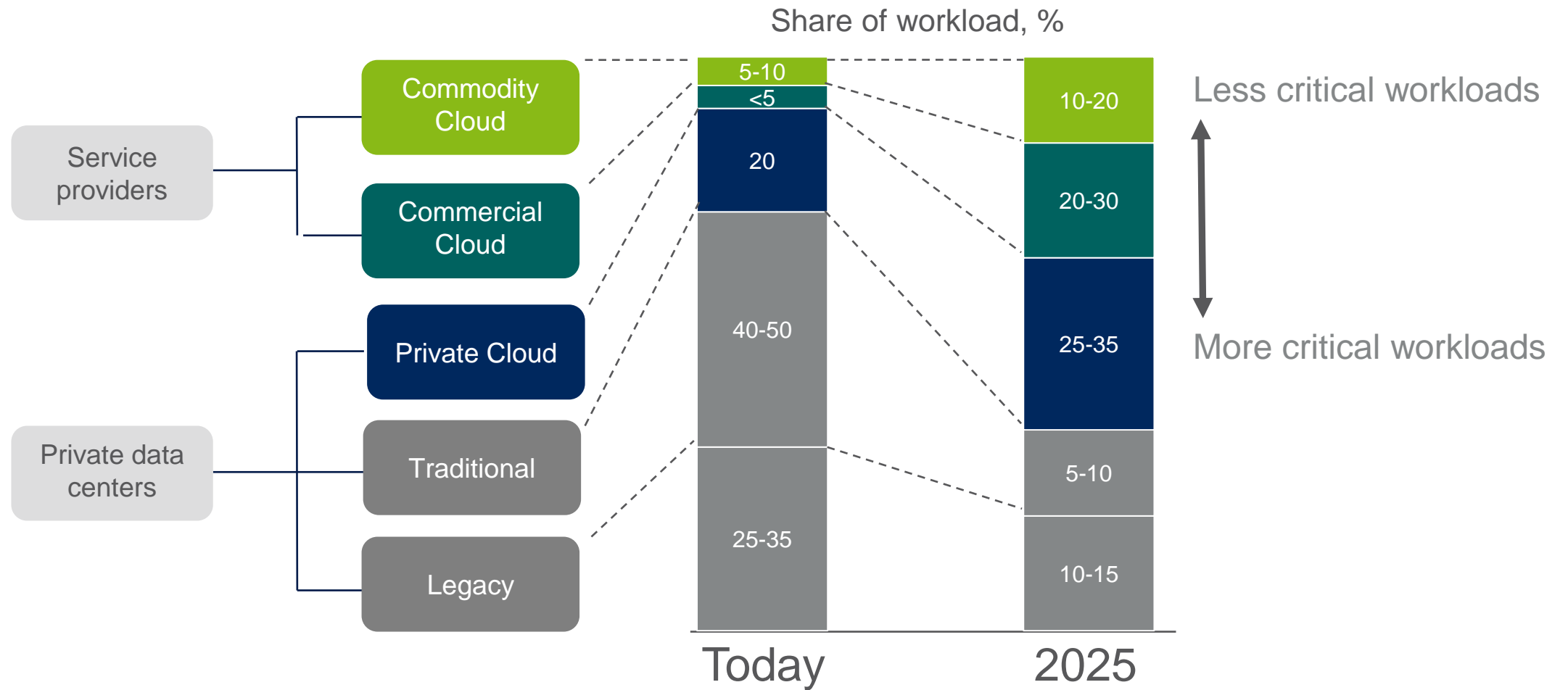
## Market drivers

- › Operators need for growth
- › Demand for service agility, programmability and time to market
- › Increasing traffic and business models from Internet of Things (IoT)
- › Need for governance and security
- › Demand for SW defined infrastructure

Operator only: Operator Telecom Cloud, Virtual Network Core Functions, Operator Cloud Management, Operator IT & Commercial Cloud as well as related services.

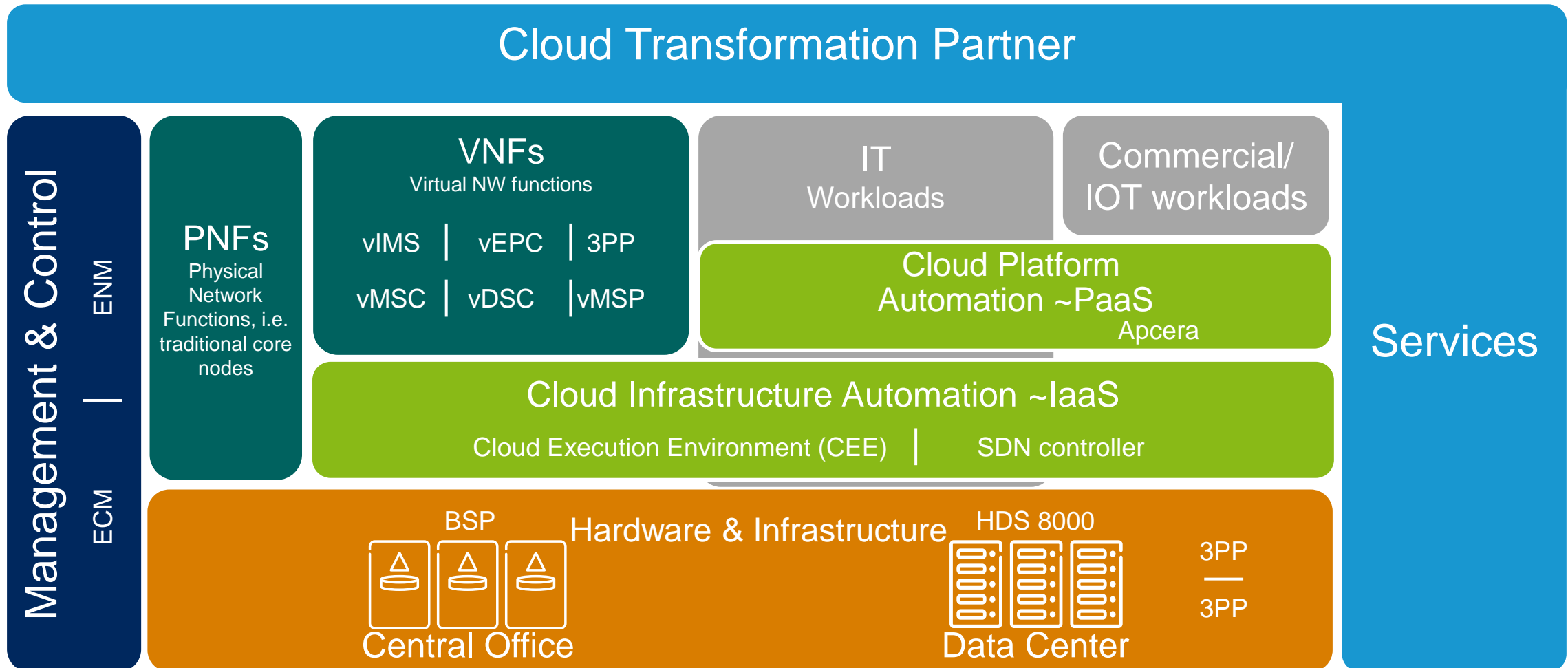


# WORLD WORKLOADS SHIFT TO CLOUD



Source: McKinsey and Ericsson study 2015

# ERICSSON OFFERINGS IN CLOUD



# AGENDA



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Strategy going forward





# STRATEGY GOING FORWARD



Enable world leading cloud platform

Virtualize the core network applications

Leverage our services leadership

## Wanted position 2020

**#1** Operator Telecom Cloud (NFV)

**Top 3** Cloud transformation partner for operators

**Top 3** in Operator IT & Operator Commercial Cloud

**Emerging leader** in digital industrialization for large enterprises

# KEY TAKEAWAYS



Cloud transformation opens up great business opportunities  
for Ericsson

Ericsson is enabling a world leading cloud platform, in which we  
utilize our services leadership



**ERICSSON**



Targeted area: Industry & Society



MAGNUS MANDERSSON

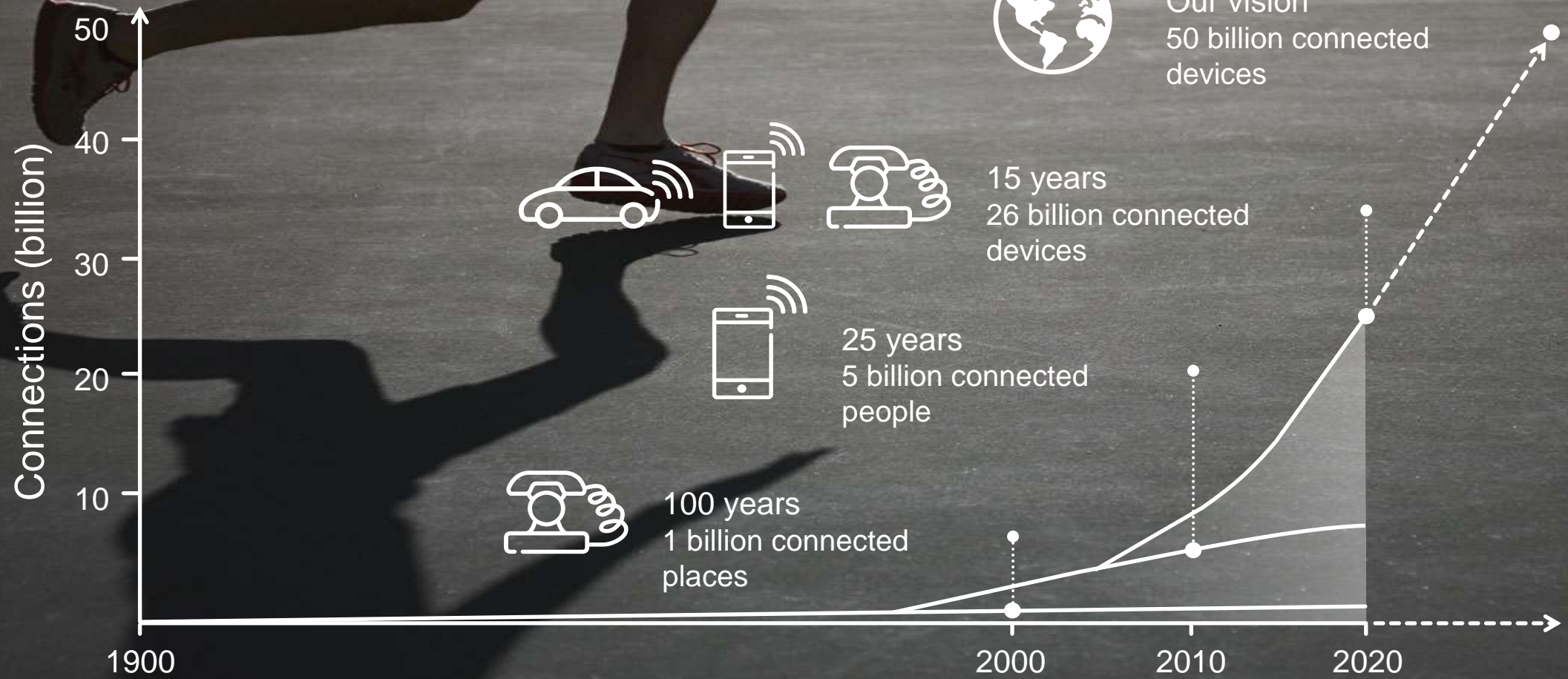
Executive Vice President  
Head of Global Services

MARIE FOSSUM

Vice President  
Head of Utilities



# CONNECTED DEVICES



Accelerating pace of change, Internet of Things transformation ongoing

# VERTICAL MARKETS



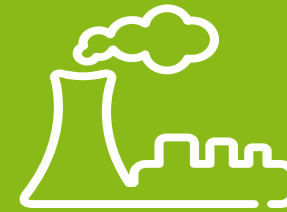
## Industry & Society

› Adjacent industries seek ICT transformation

- 
- › New business line established 2014
  - › Based on existing offerings
  - › Proven customer track record



Utilities



Transport



Public safety





# WHY VERTICALS?

Re-use of core capabilities

Concentrated market

Global replicability

Disruption enabled by mobility

# WHY ERICSSON?



Comprehensive services portfolio

Proven track record

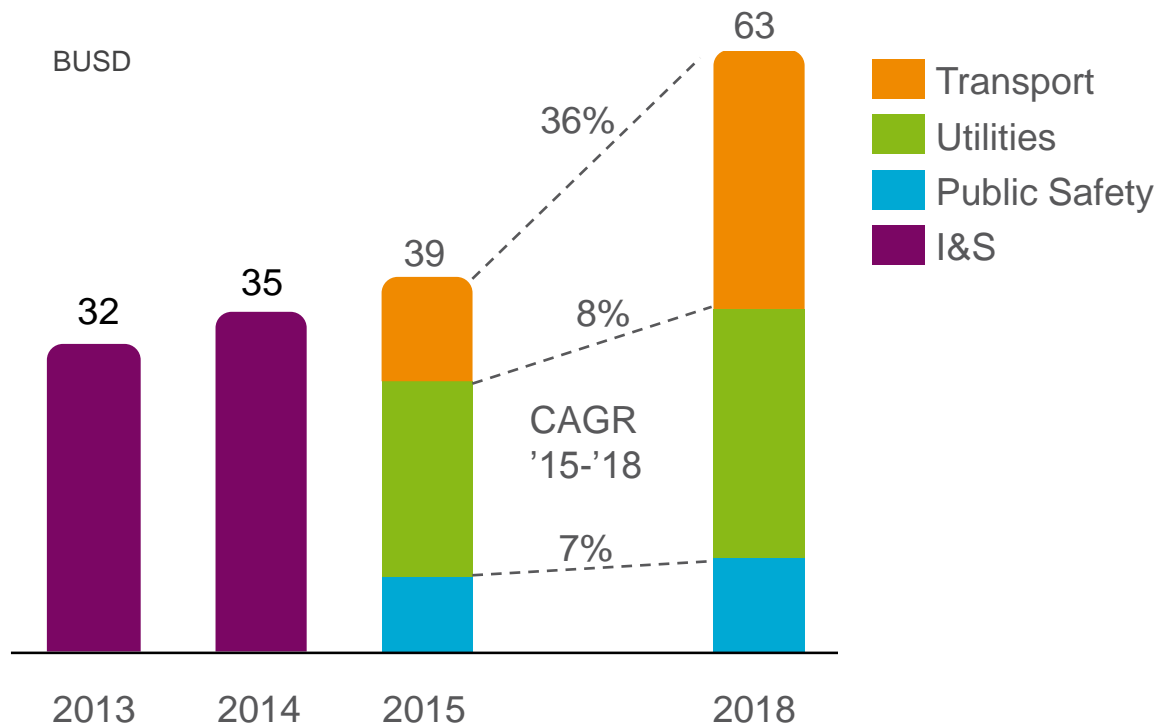
Global market presence

Leader in mobile technologies

# MARKET OUTLOOK



## Addressable Market



ICT infra for road / rail  
Transport transactions  
Traffic management  
Connected vehicle, connected vessel

Smart metering, Smart grid communication  
Grid control  
Asset & Critical infrastructure management  
Customer and Revenue management

First responder networks (PS-LTE)  
Disaster and Emergency management  
Critical Infrastructure protection  
Strategic government networks

**CAGR 2015 – 2018: 16 – 18%**

# BIG CHANGES IN THE UTILITIES ARENA



Introduction  
of renewables



Deregulated  
markets,  
increased  
competition



Financial  
distress



Increased  
customer  
focus



# CUSTOMER SOLUTIONS



Demand for new products  
and services



# OFFERING AREAS IN UTILITIES



# OUR GLOBAL UTILITIES EXPERIENCE



>42

MILLION METERS

FIRST

4G (LTE) NETWORK FOR A  
UTILITY DEPLOYED

WORLD'S  
LARGEST

GRID EDGE NODE DEPLOYMENT





# KEY TAKEAWAYS



- › 3 vertical segments – large and fragmented markets
- › Reusing our services capabilities and technology insights
- › Established practice – strong market momentum
- › Demand for ICT-driven transformation

## Utilities



## Transport



## Public safety





**ERICSSON**



Targeted area: OSS&BSS



MAGNUS MANDERSSON

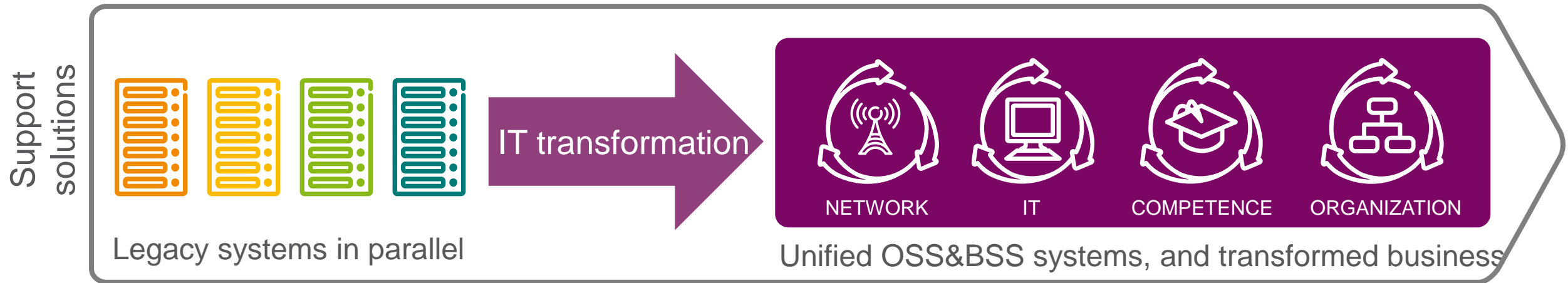
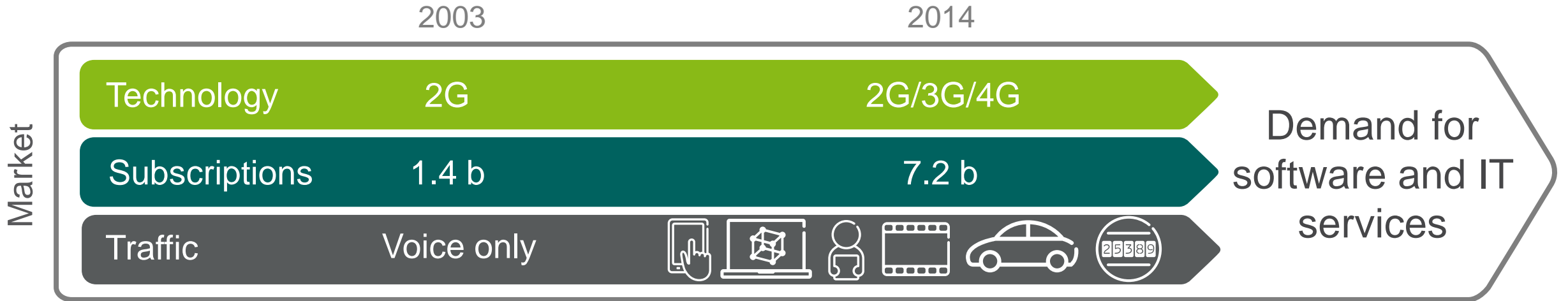
Executive Vice President  
Head of Global Services

JEAN-PHILIPPE POIRAULT

Vice President  
Head of Consulting & Systems Integration

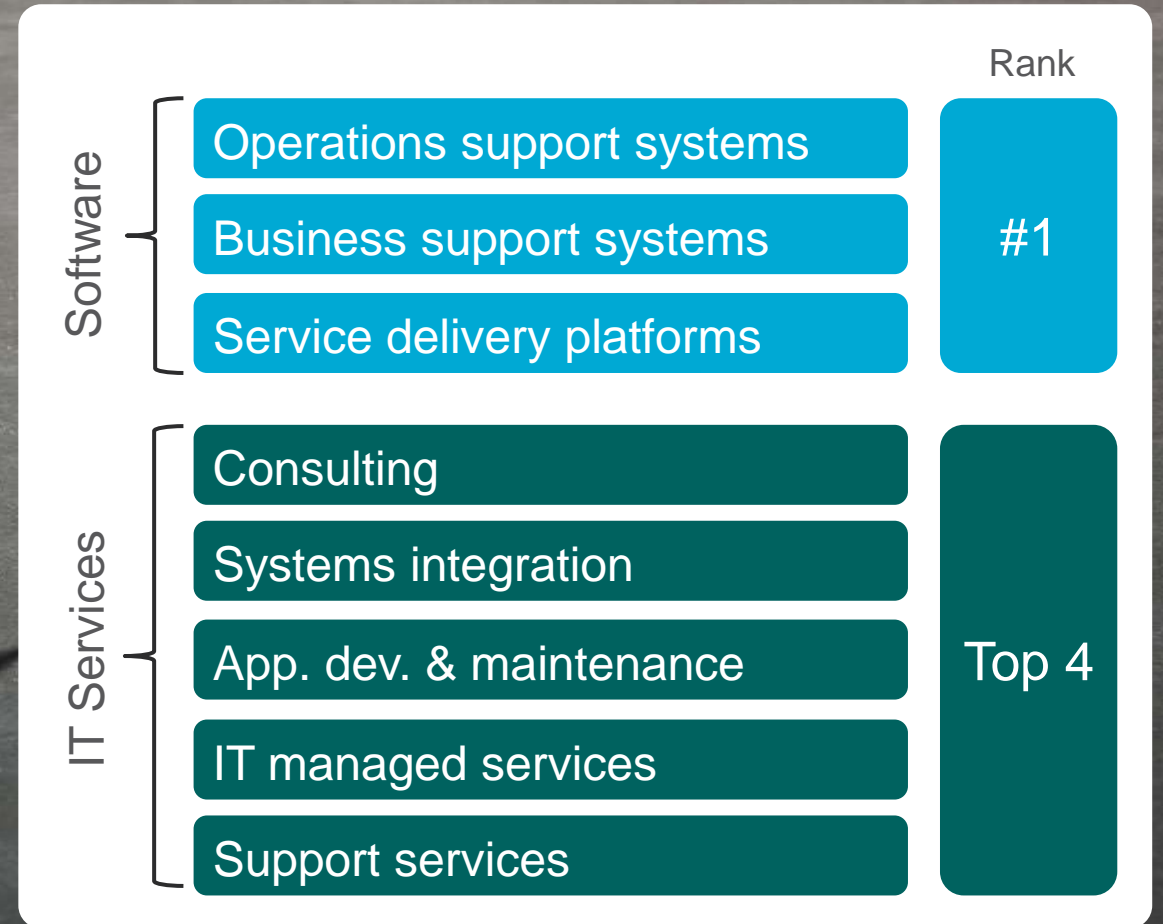
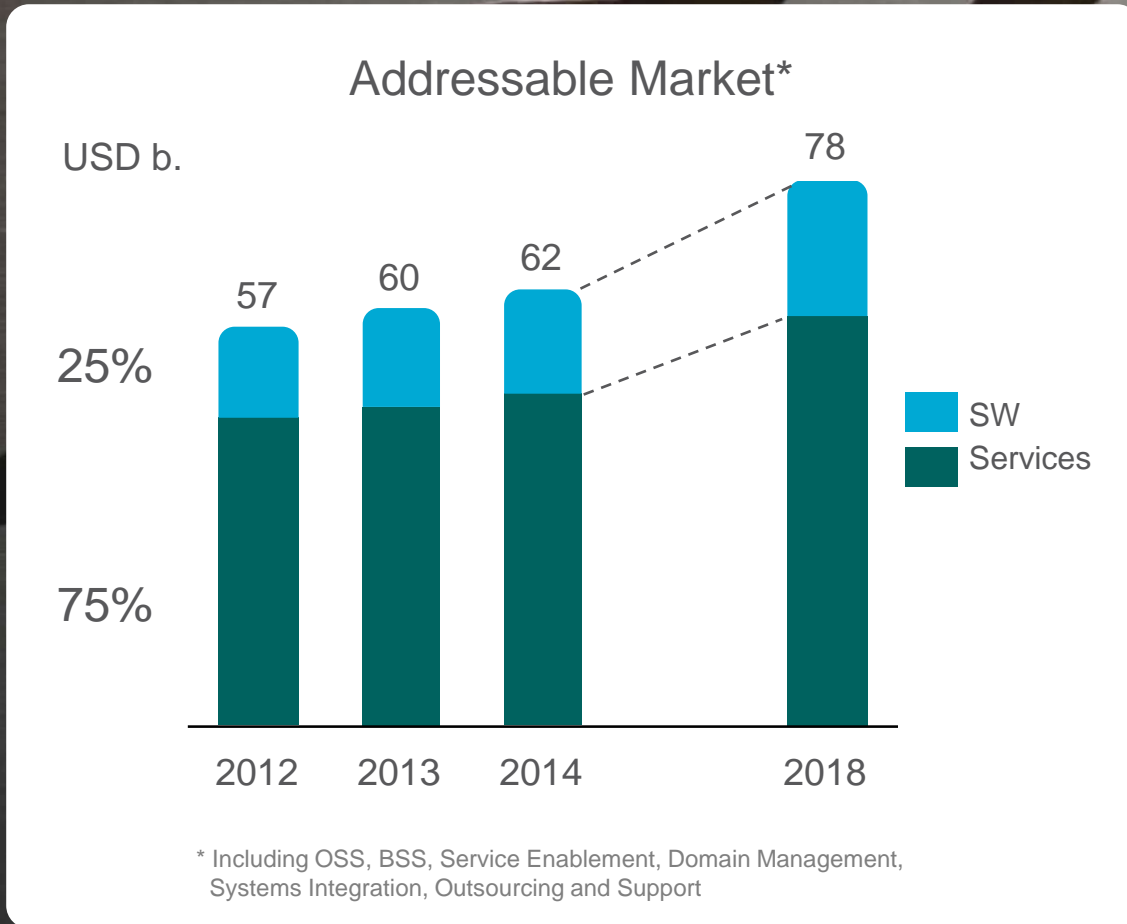


# FROM VOICE TO NETWORKED SOCIETY



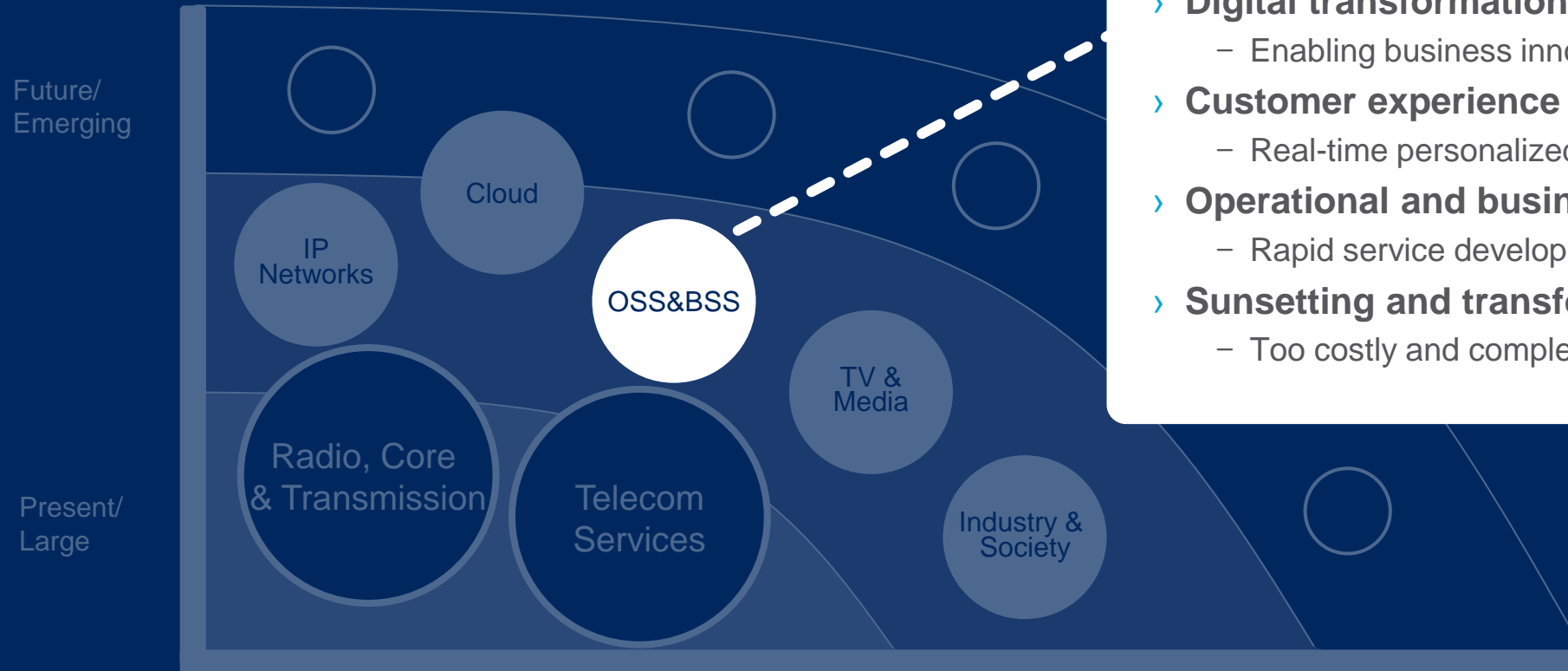
All operators need transform their businesses and replace legacy systems

# OSS&BSS MARKET AND OUTLOOK



CAGR 2014 – 2018: 5 – 7%

# OSS&BSS MARKET DRIVERS



## WHY CUSTOMERS INVEST

### > Digital transformation

- Enabling business innovation and ecosystems

### > Customer experience management

- Real-time personalized experiences

### > Operational and business efficiency

- Rapid service development and introduction

### > Sunsetting and transformation of legacy systems

- Too costly and complex to maintain

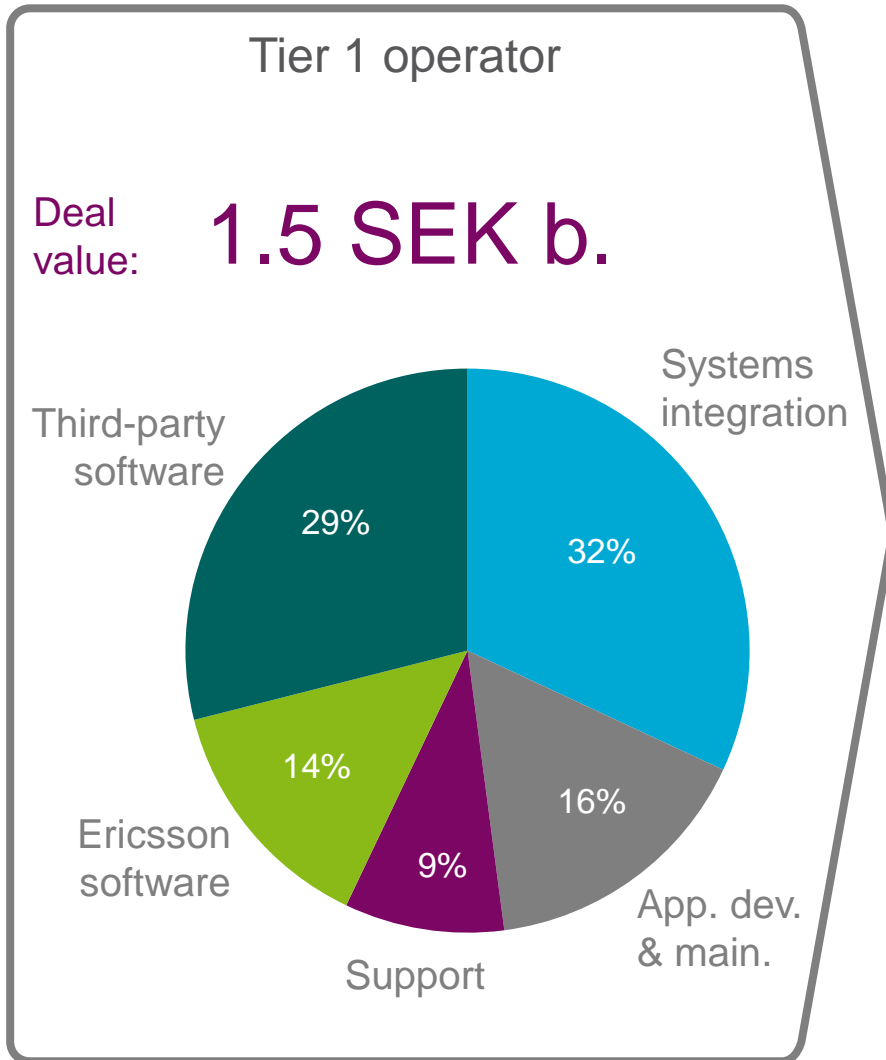
1 Excel in core business

2 Establish leadership  
in targeted areas

3 Expand business in  
new areas



# DIGITAL TRANSFORMATION CASE



## > Challenges:

- Not consumer-centric
- Legacy architecture and obsolete IT systems
- Functional gaps and slow time to market

## > Solution:

- Full IT transformation
- Ericsson and third-party software

## Sample end-user benefits

KPI	Before	After
Price changes	3 months	3 days
Substantial subscription changes	2 weeks	5 minutes
Number portability	days	30 minutes
New product	6-9 months	3 months

# OSS&BSS RESOURCES



## Software portfolio

- › 4,500+ OSS&BSS developers
- › Software suites
- › Improved market perception

Acquisitions: LHS, Telcordia, APCERA, ConceptWave, Metrtech, Envivio

## IT services

- › 17,000+ CSI professionals
- › 4 Global service centers
- › IT Managed services

Acquisitions: Pride, inCode, TeleOSS, Telcocell, Tridge, TimelessMind, Sunrise Technology

## Go to market

- › Dedicated ICT sales force

## Assets

- › Reference solutions and architecture
- › Business process transformation
- › Integration Lab

# GLOBAL SCALE AND SKILL



1,500

Consulting and systems integration projects per year

17,000

IT professionals



900

OSS systems in operation

>2.1 billion subs

Served by Ericsson Charging and Billing

GLOBAL SERVICE CENTER ●

REGIONAL DELIVERY ●



# STRATEGY AND EXECUTION



## Strategy going forward

Leverage combined software and services strengths to assume prime integrator role

Expand software suite into cloud and analytics

Introduce new business models such as XaaS

Enabling operators to become consumer- and application-centric

## Wanted position

### Preferred ICT transformation partner

- › Extend #1 position in telecom
- › Expand ICT professional services
- › Establish strong position in verticals



# KEY TAKEAWAYS



- › Global customer base
- › Demand for transformation to become consumer- and application-centric
- › OSS&BSS market is large, and continues to grow
- › Ericsson has a market-leading position
- › Our competitive advantage is our combination of software and services across business, IT and networks
- › Ability to transform business processes



SOFTWARE



SERVICES



NETWORKS



**ERICSSON**



# Targeted areas summary



# JAN FRYKHAMMAR

CFO

# PROFIT IMPROVEMENT

## OPERATING MARGIN ILLUSTRATIVE



3 building blocks driving towards continued yearly incremental improvements

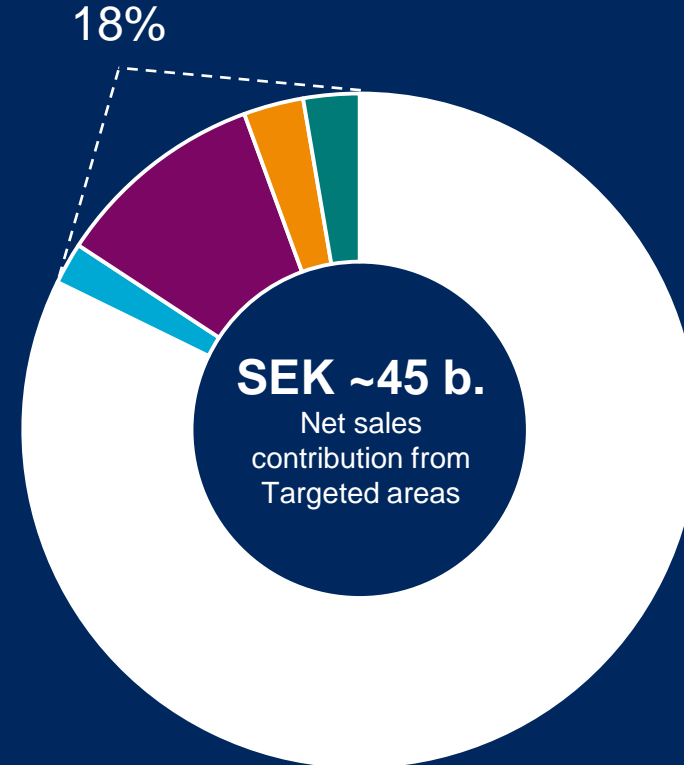
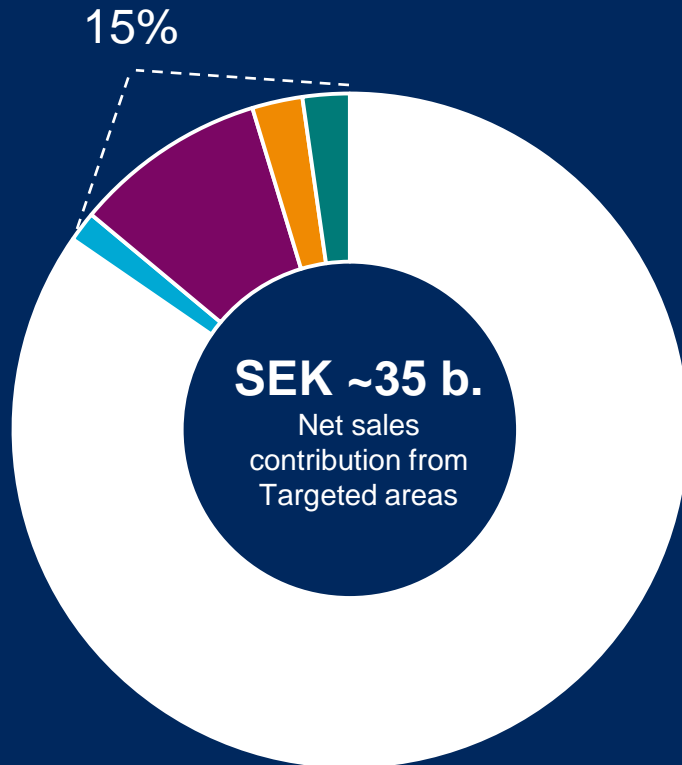
This slide contains forward-looking statements. Actual result may be materially different.

# TARGETED AREAS SHARE OF GROUP NET SALES



2014 09 rolling 4Q

2015 09 rolling 4Q



- Core business
- IP & Cloud
- OSS & BSS
- TV & Media
- Industry & Society

Increased share of group net sales

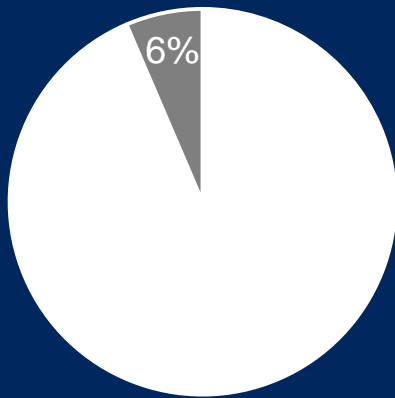


# TARGETED AREAS NET SALES SHARE PER SEGMENT



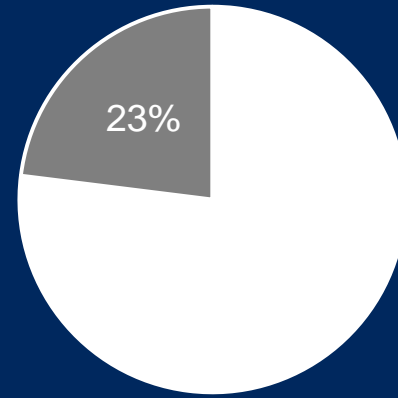
2015 09 rolling 4Q

## Networks



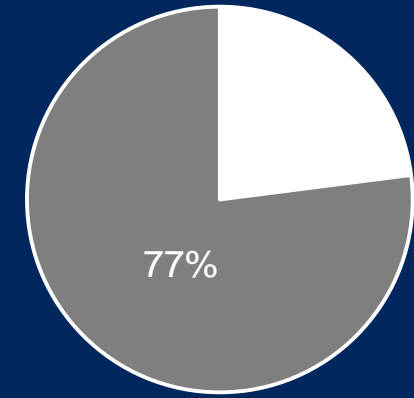
■ Core business  
■ Targeted areas

## Global Services



■ Core business  
■ Targeted areas

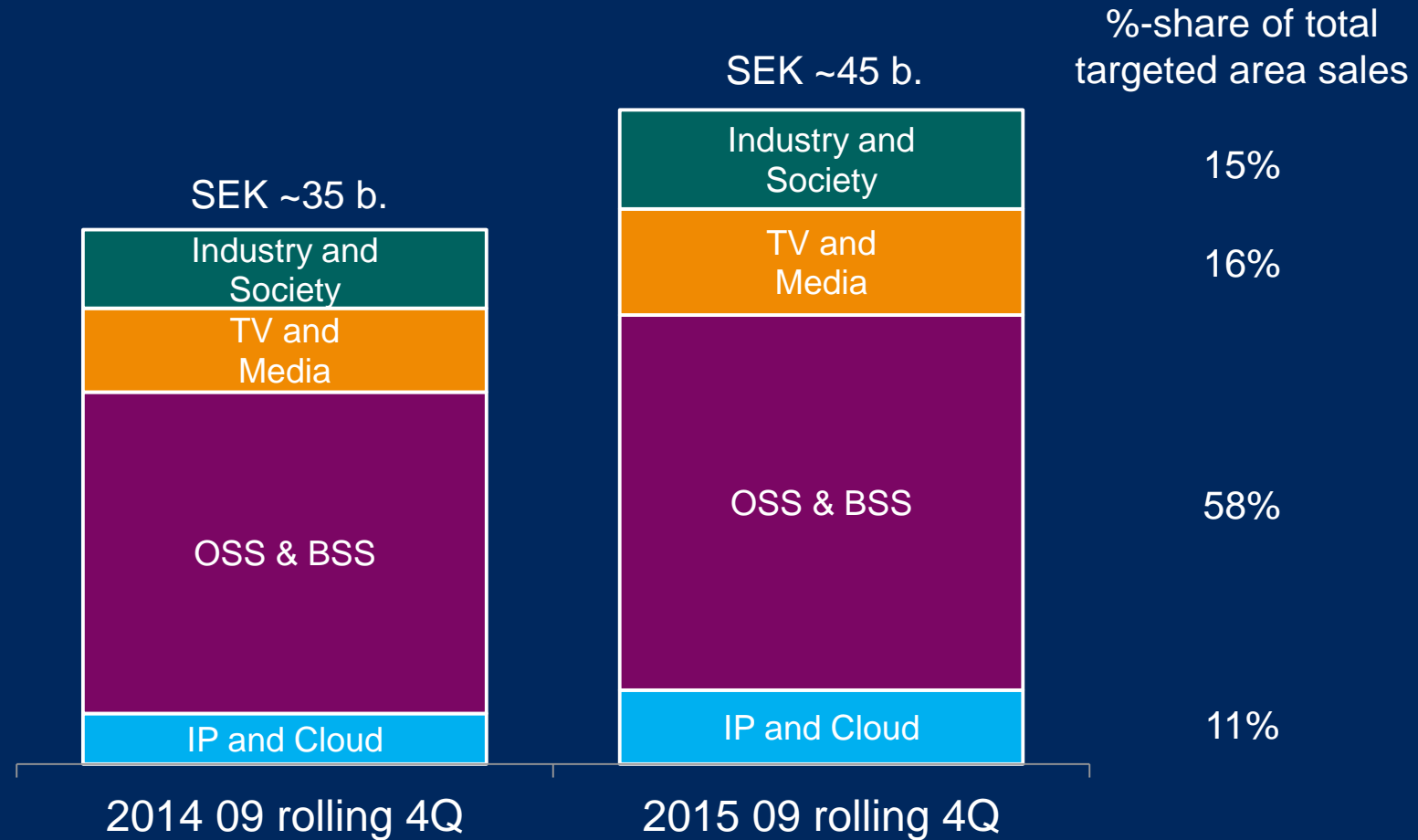
## Support Solutions



■ Core business  
■ Targeted areas

Potential to improve earnings in all segments driven by targeted areas

# NET SALES PER TARGETED AREA

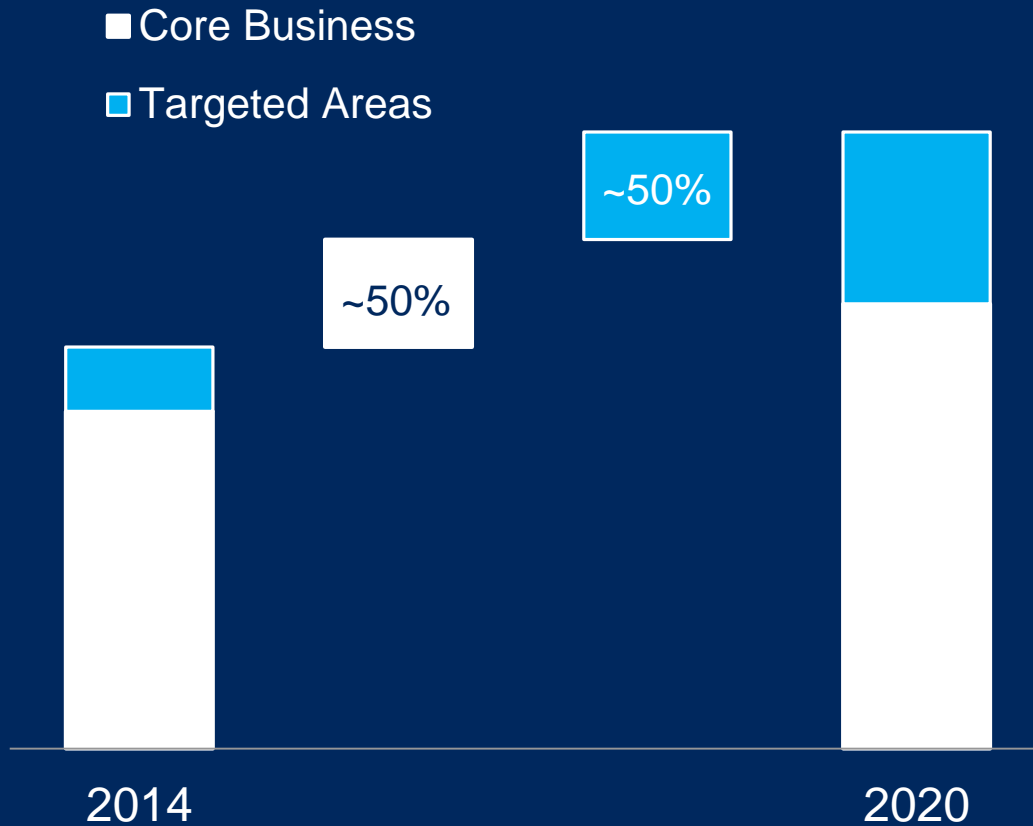


Growth in targeted areas >10%

# NET SALES SCENARIO BASED ON MARKET ASSUMPTIONS



## Net Sales



### Targeted areas

- › **Market growth:** On average ~10% CAGR
- › **Ericsson objective:** Establish leadership in targeted areas

### Core business

- › **Market growth:** ~1-3% CAGR
- › **Ericsson objective:** Excel in core business

Success in targeted areas essential to reach 2020 ambition



# KEY TAKEAWAYS



## Financial performance Targeted areas

- › Important building block for improved profitability
- › Growth in targeted areas >10%\*
- › Increased share of group net sales
- › Potential to improve earnings in all segments driven by targeted areas
- › Success in targeted areas essential to reach 2020 ambition



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