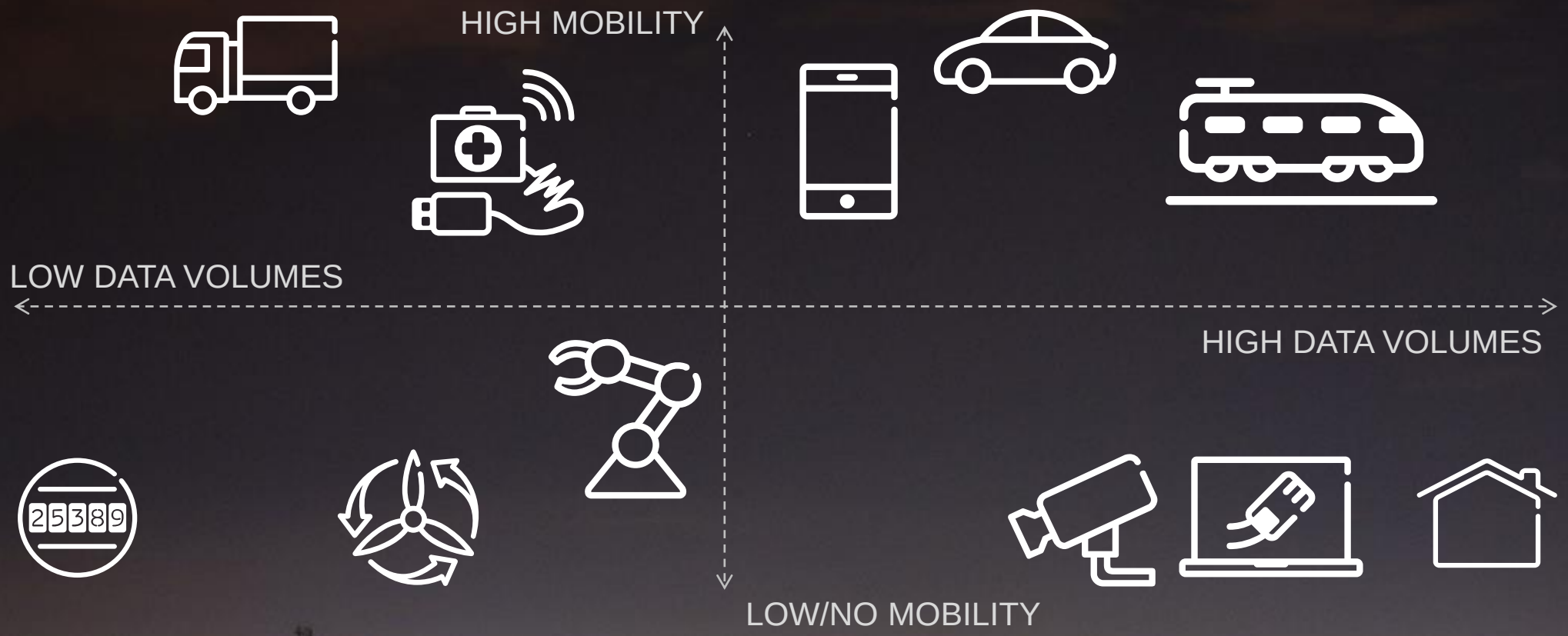
TELCO CLOUD TRANSFORMATION

Red Hat Summit 2017

Susan James – Head of NFV Infrastructure

ERICSSON

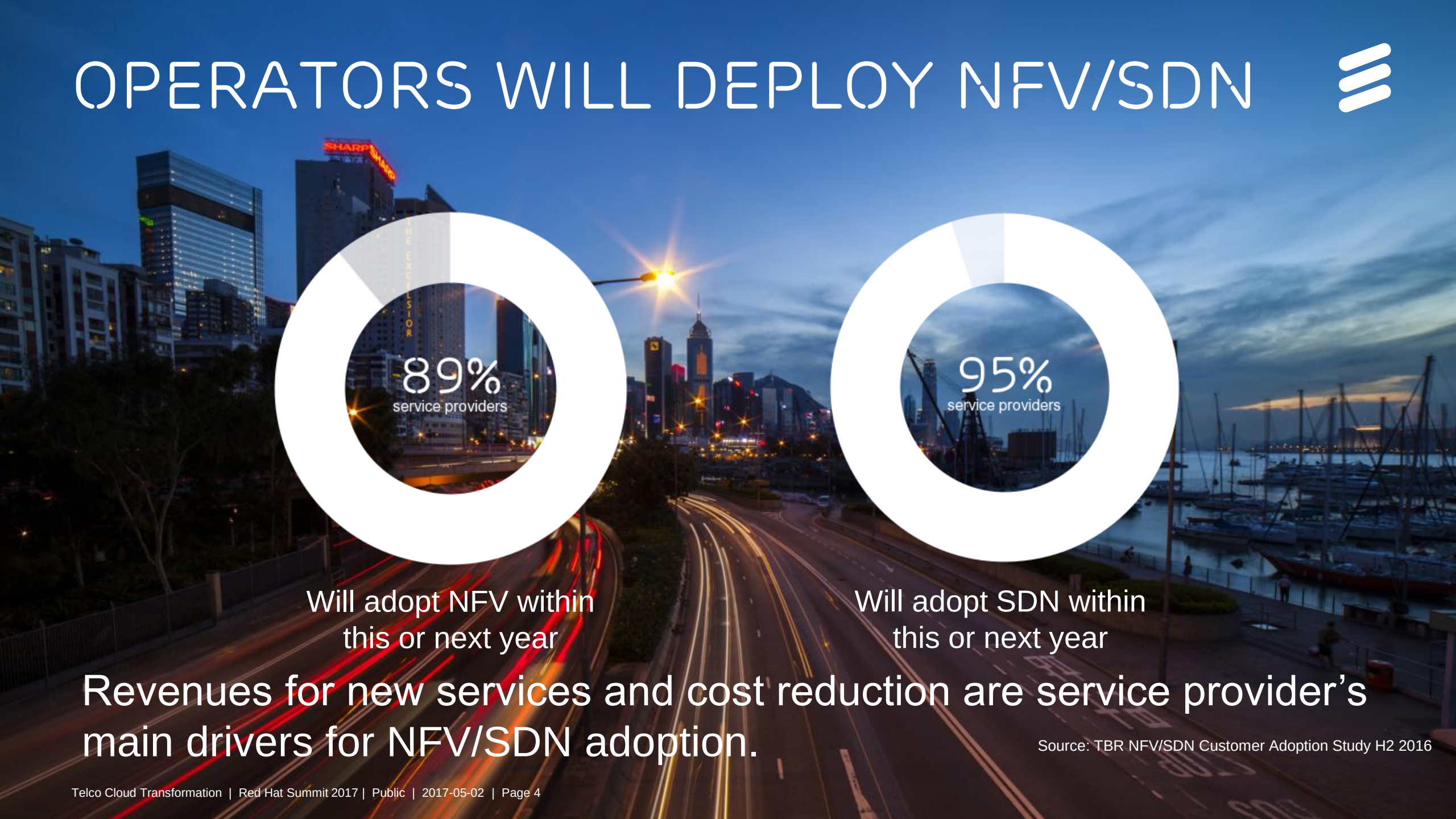
5G & IOT USE CASES



10-100X	10X	5X	10-100X	1000X
Connected Devices	Battery Life	Lower Latency	End-user Data Rates	Mobile Data Volumes

THE JOURNEY TO NFV

OPERATORS WILL DEPLOY NFV/SDN



Will adopt NFV within this or next year

Will adopt SDN within this or next year

Revenues for new services and cost reduction are service provider's main drivers for NFV/SDN adoption.

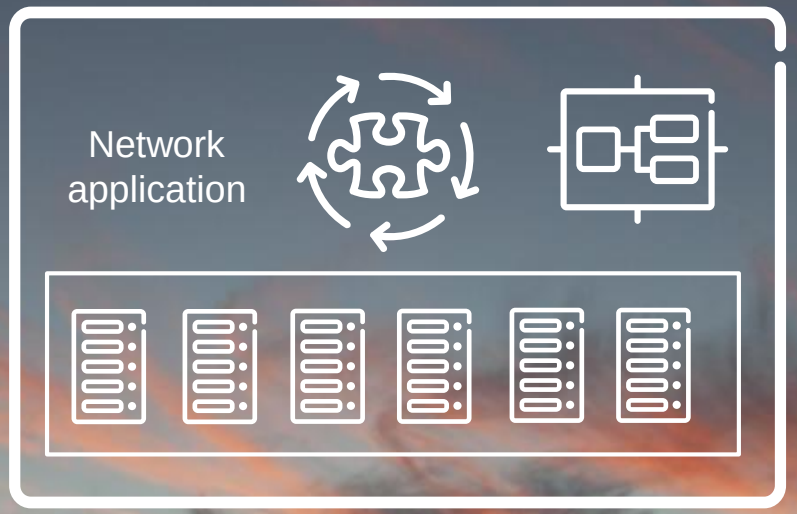
Source: TBR NFV/SDN Customer Adoption Study H2 2016

NETWORK EVOLUTION TO 5G

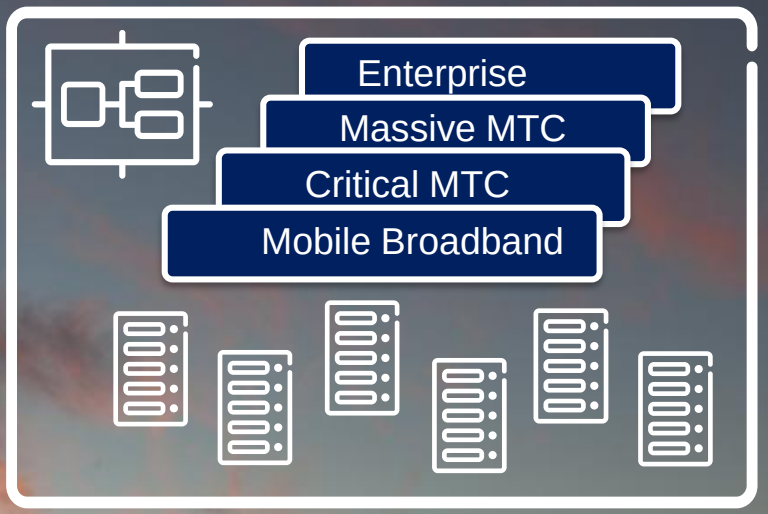
Integrated nodes

Virtualized deployment

Cloud deployment



5G Core



THE BEST FROM TWO WORLDS

ERICSSON

- End-to-end NFVI solution support
- Carrier Grade
- Unified O&M (Fault and performance management)
- Advanced networking
- Software Defined Infrastructure
- Common management interface

- Industrialized OpenStack Solution
- Support SLA for RHEL workloads
- Software Defined Storage (CEPH)

A FLEXIBLE, SCALABLE, CLOUD PLATFORM FOR ENTERPRISES AND TELCOS

THE NFVI GLUE

- Red Hat Openstack Platform (RHOSP)
- Increased number of supported workloads
- Customers chose the platform(s) they want
- Multi vendor
- No lock-in
- Pure open-source player, upstream first

NFVI IS THE ENABLER

Technology

People

Process

Business

ERICSSON TARGET OPERATING MODEL

TELCO TRANSFORMATION SERVICES

Optimised SDN/NFV Solution Design

NFV Test and DevOps framework

Accelerated Delivery & Integration

Business Benefits

EARLY DEPLOYMENT EXPERIENCE

Telecom grade readiness

VNF requirements on NFVi

Operational and LCM processes

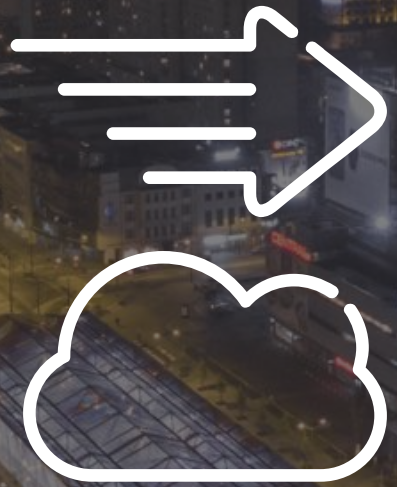
ETSI NFV interface maturity for multivendor testing

LESSONS LEARNED

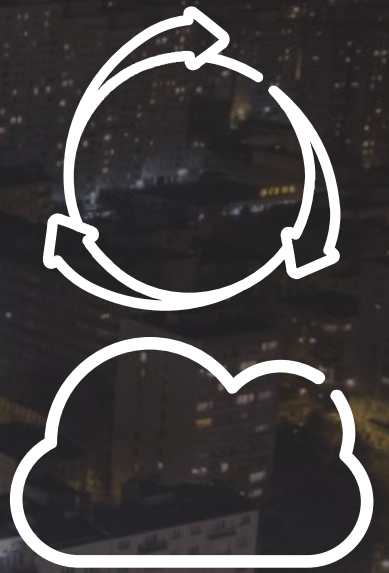
CUSTOMER CHALLENGES IN NFV

VNF Onboarding is Time Consuming and Costly

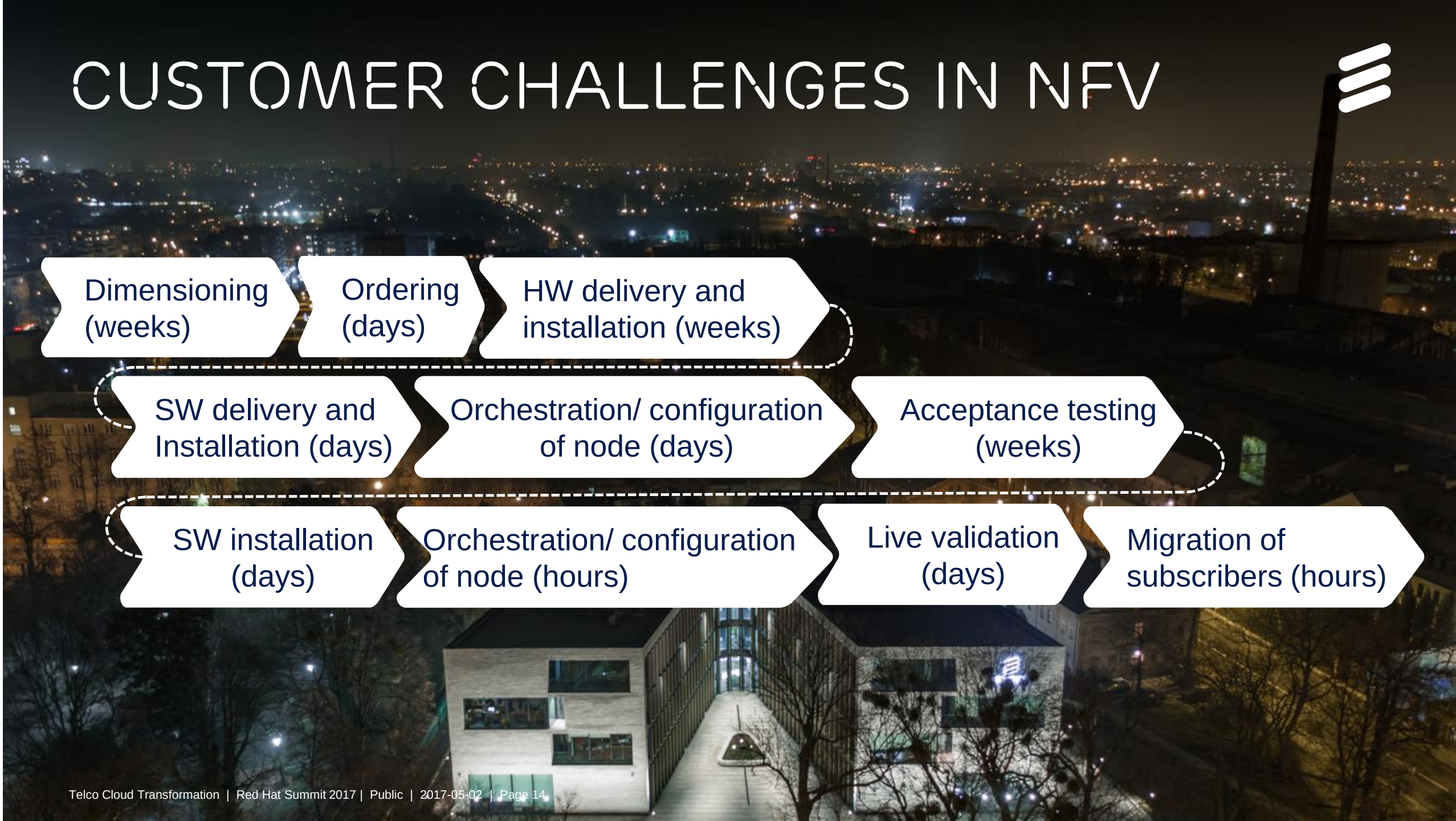
Manual VNF Validation is Time Consuming and Costly



Lifecycle Management is Complex



CUSTOMER CHALLENGES IN NFV



ERICSSON FACTORY

Accelerate verification & on-boarding

Self Service Web Portals

Workflow Driven Automation

Test Management

Dashboards

Services

- Onboarding and Test Strategy
- Onboarding and Test Automation
- Onboarding and Test Execution
- Vendor Management

NFV IMPACT ON SERVICE VELOCITY

	30 staff	7 staff
	Manual Operations	Automated Operations
✓ Add capacity	60 days	2 hours
✓ Activate new service	21 days	15 min

GUI

ERICSSON NFVI

Automation

NFV IS MAINSTREAM

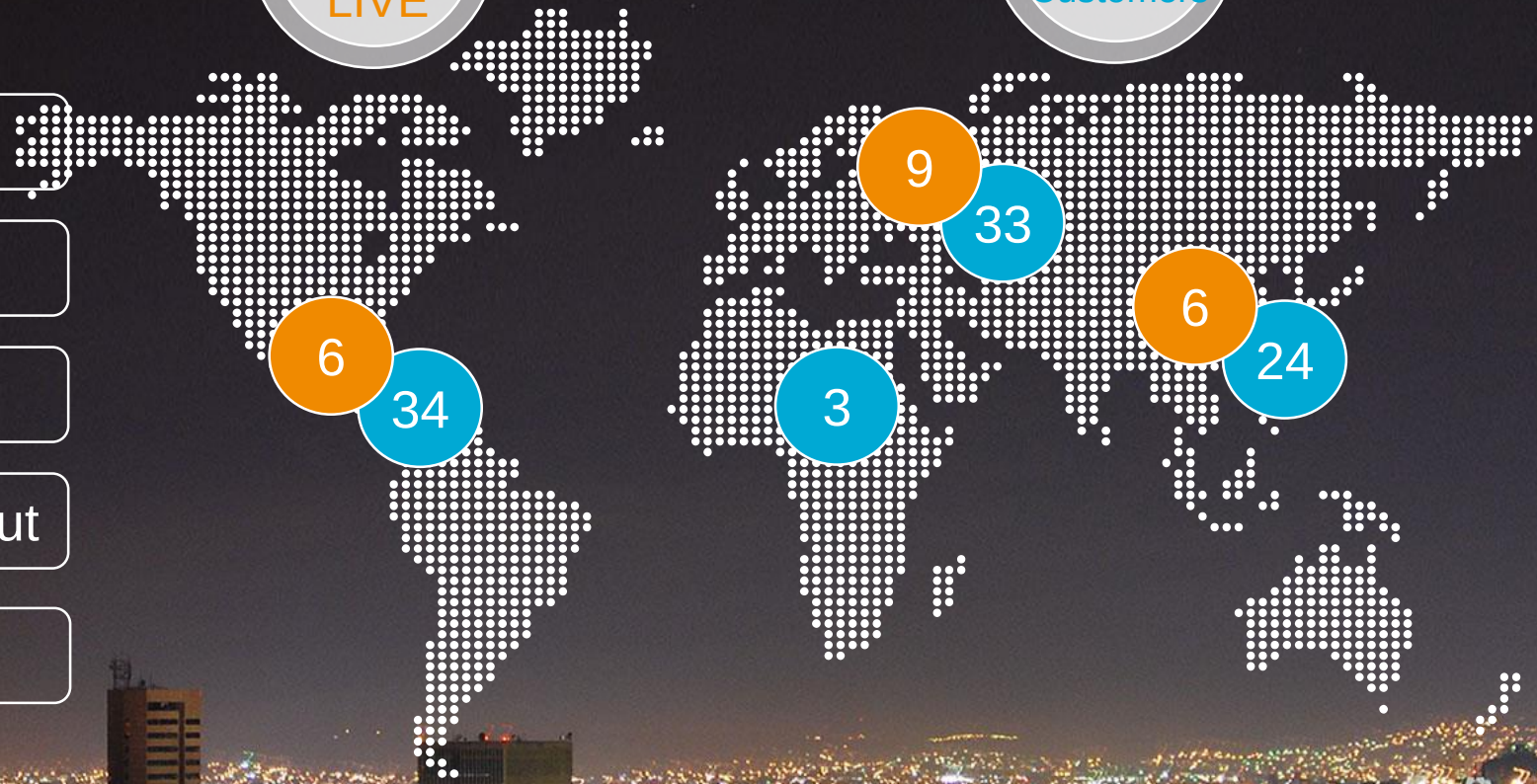
20+ Deployments LIVE

Ericsson VNF

90+ Commercial Customers

Drivers:

- New Business
- Modernization
- Transformation
- Capacity Build-out
- Automation



Services:

- VoLTE
- Wi-Fi calling
- MBB
- Enterprise
- IoT

WHY ERICSSON NFVI?

12 LIVE NETWORKS

>70 CONTRACTS

Modular

Certified Solution

End-to-end Support

CUSTOMER CASES

ERICSSON NFV LEADERSHIP

ERICSSON