

# The present and future of telecommunication

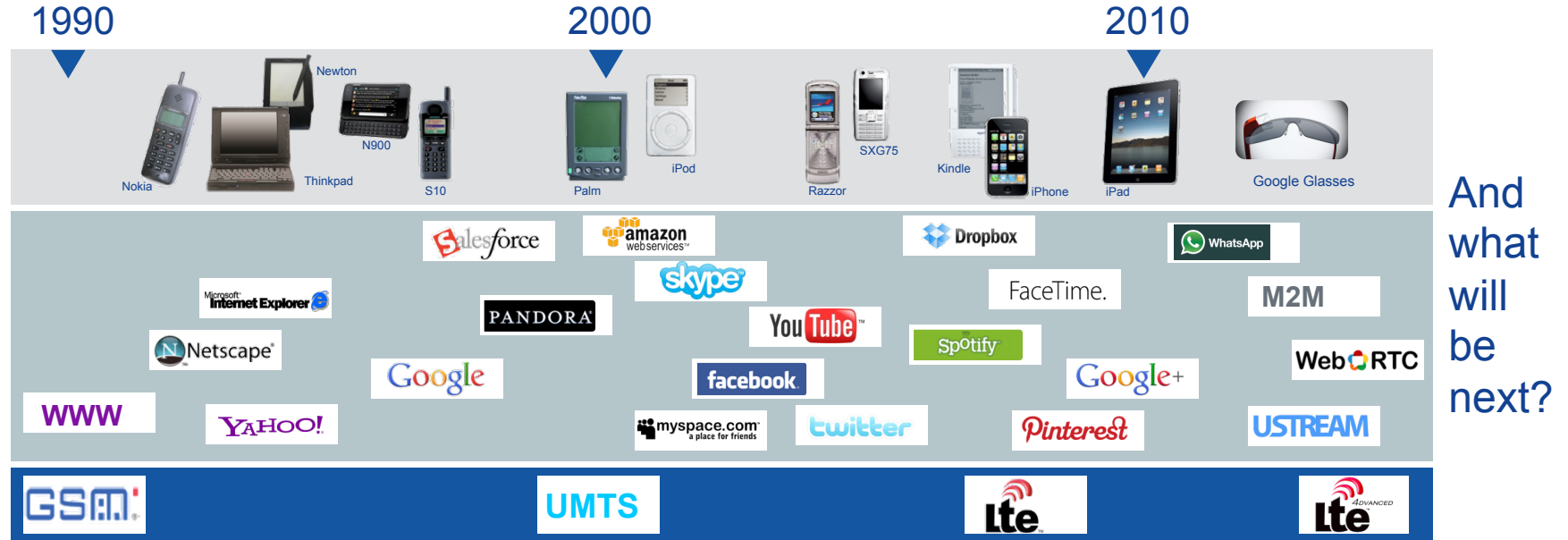
(from the viewpoint of core networks)

HTE Infokom 2014, Kecskemét

Gergely Csatari

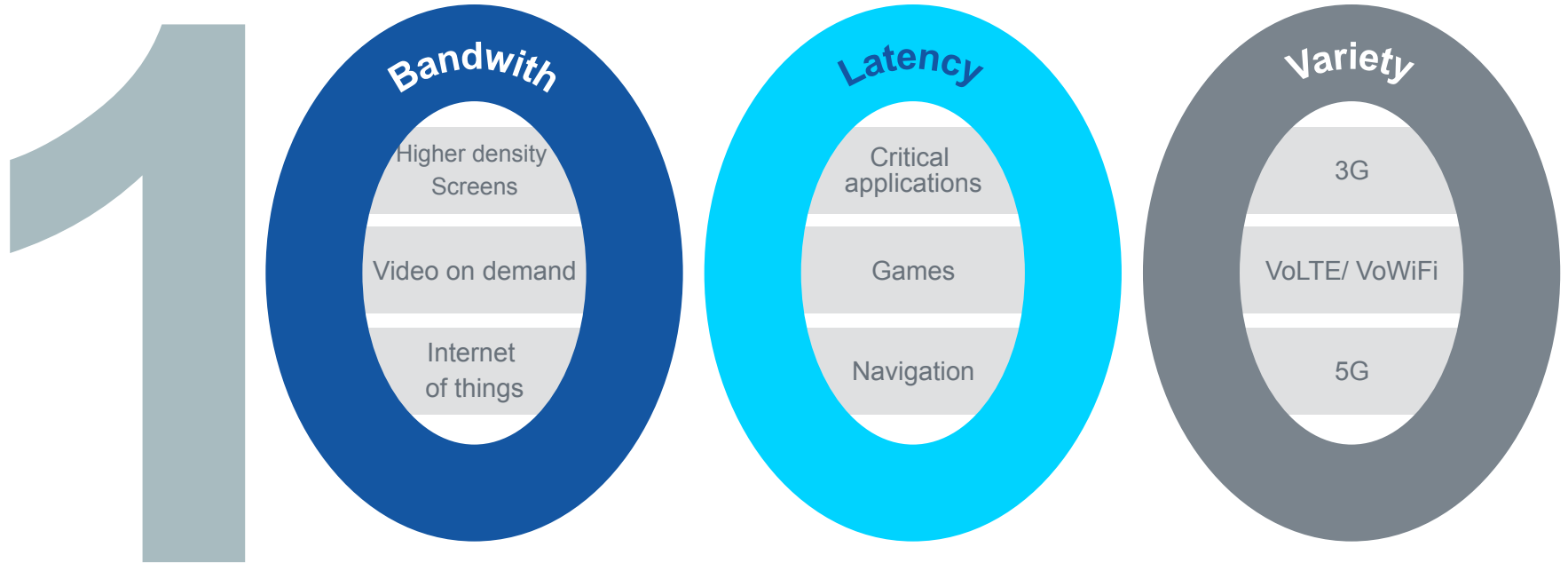
# The pace of change in the ICT industry

The future changes every day



And what will be next?

# Why do we need



... times more capacity?

# Nokia Technology Vision 2020

Delivering 1GB of personalized data per user per day profitably

Key requirements for networks towards 2020

Support up to  
1000 times  
more capacity



Reduce  
latency to  
milliseconds



Teach  
networks to  
be self-aware



Flatten total  
energy  
consumption



Reinvent  
Telcos for  
the cloud



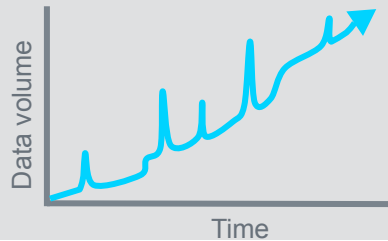
Personalize  
network  
experience



# Reinvent Telcos for the cloud

## Why do operators need Telco Cloud

### Unpredictable data growth

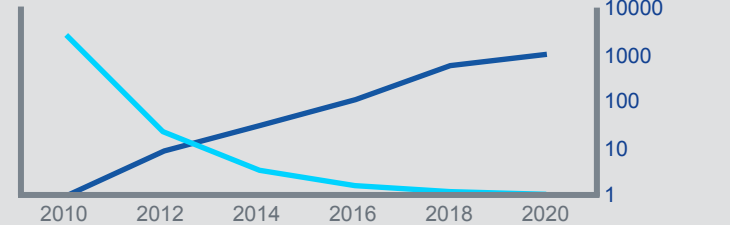


Drivers:

- > 3D & HD video
- > Video integrated everywhere
- > Connected objects

### Drastic reduction of TCO per GB needed

TCO/GByte



### Deliver best user experience



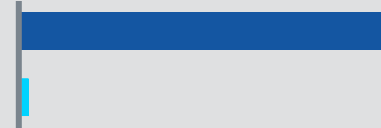
- > Network experience becomes a revenue driver
- > “Real time” customer experience insight & action

### Faster innovation cycles for topline growth

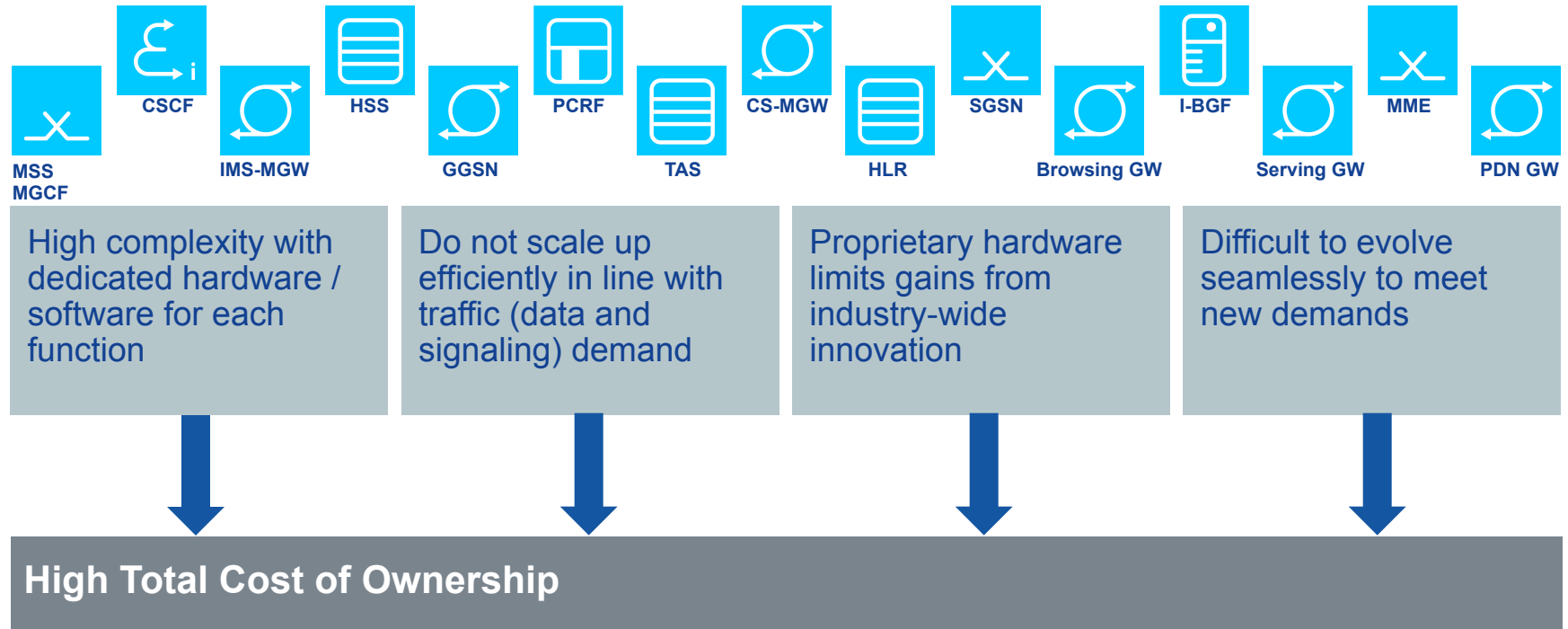
Time from code to production launch

Telco approach

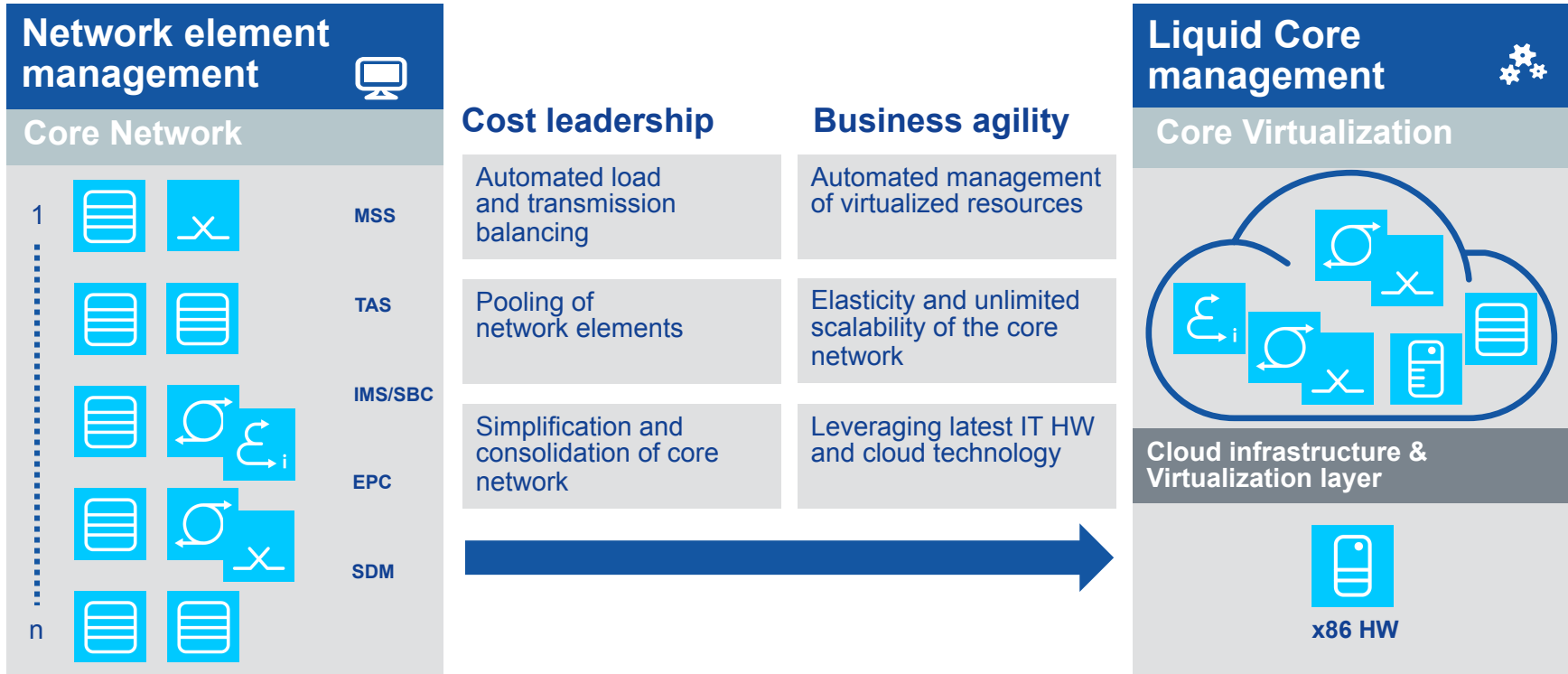
Cloud approach



# Core networks need a rethink

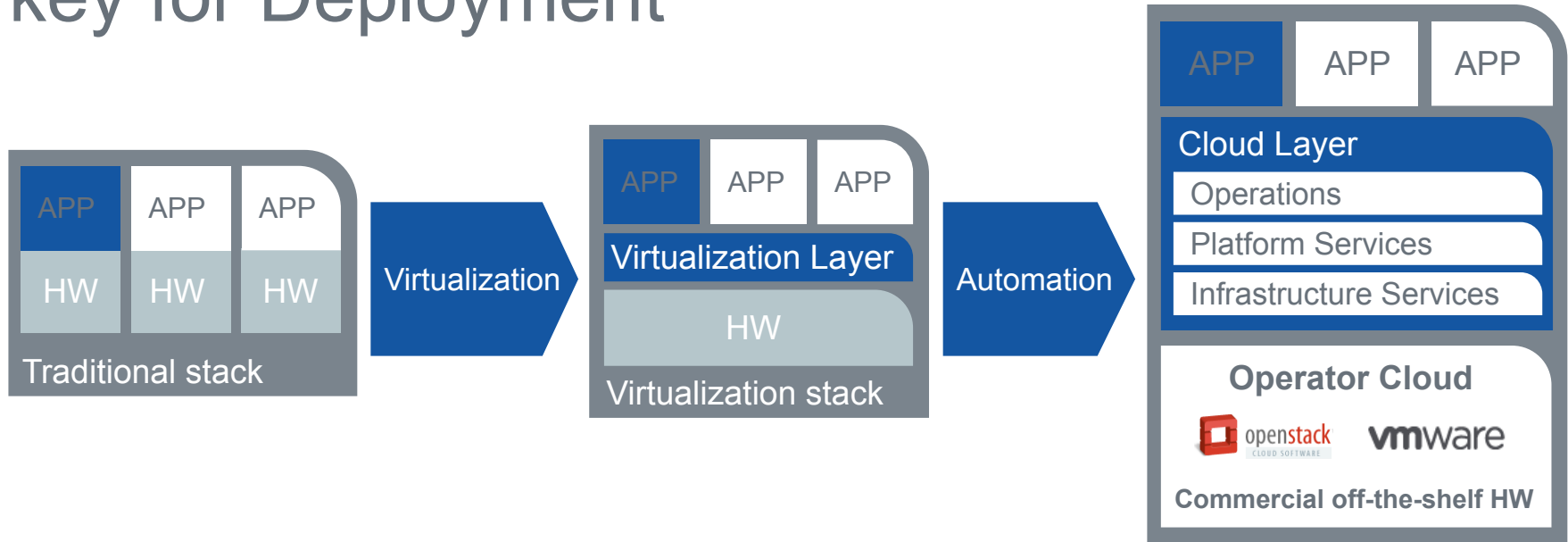


# Liquid Core brings business agility to the core network



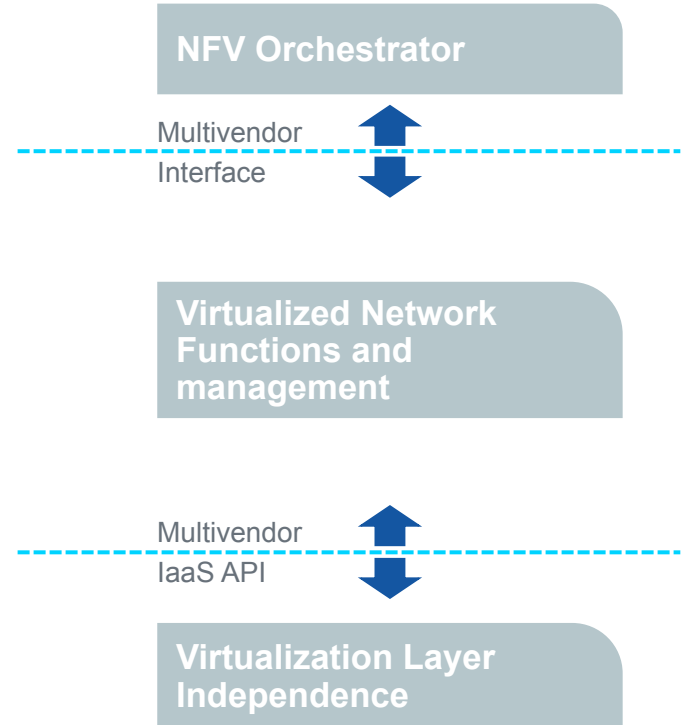
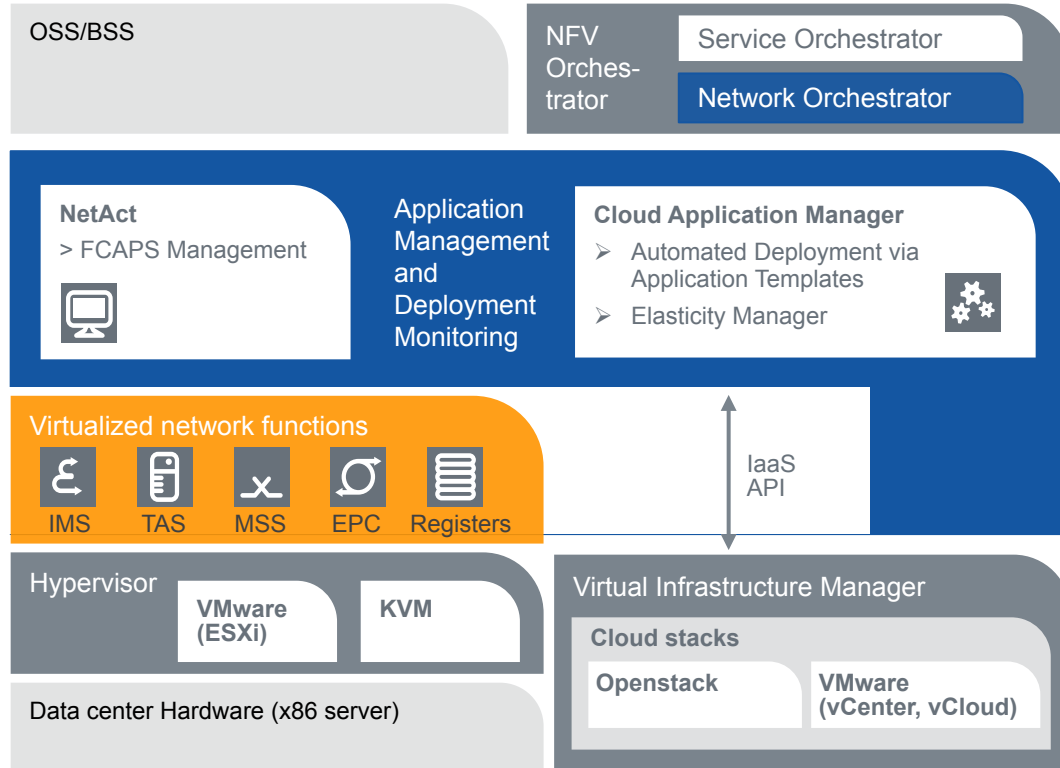
# Evolution of existing Network Functions to the Cloud

## Smooth Migration without Service Impact is key for Deployment





# Telco Cloud Architecture



We are future ready  
to bring our vision  
to reality

1GB of personalized data  
per user per day profitably



**NOKIA**