

amdocs digital  
leadership summit **2019**  
JAPAN

# Delivering the services of tomorrow by embracing new technologies

Michal Sever, Amdocs



# The Industry's Needs



Deliver a digital-first user experience and grow consumer revenues

- Capture revenues of the digital & 5G economies
- Grow loyalty by personalizing care & commerce
- Provide a seamless digital experience across all channels



Expand your media and entertainment business

- Build a rich premium content library
- Provide a slick, high-performance targeted viewing experience
- Monetize content and upsell bundles



Provide a superior, automated enterprise service

- Improve sales and offering processes and P&L visibility
- Automate ordering & service delivery
- Provide a portfolio of VNFs for connectivity and beyond



Transform to an open network and realize 5G

- Better plan & optimize your 5G and fiber rollout
- Virtualize your network for innovation and fast TTM
- Drive autonomous service operations



Modernize & accelerate your digital journey

- Reduce TCO & drive efficiency
- Consolidate & transform legacy operations
- Reskill and retool your organization

Our latest set of industry-leading offerings to allow customers to accelerate their continuous digital transformation



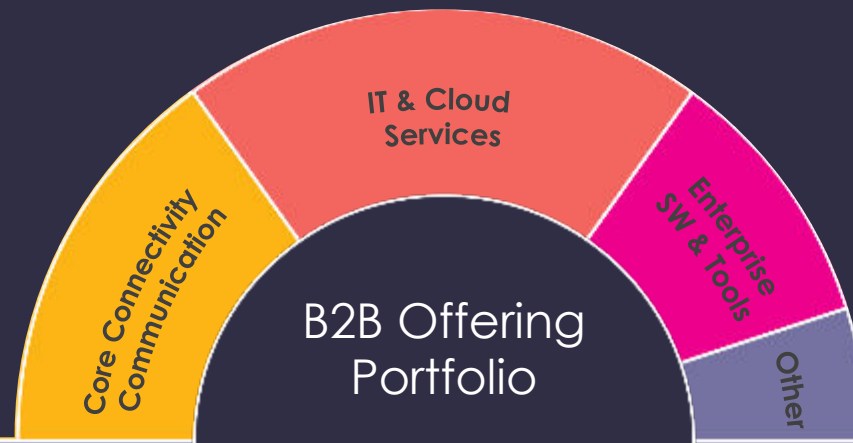
The broadest set of market-leading solutions to **grow revenue and build loyalty**, available on an open, modular cloud native architecture

Deployed using best practice DevOps to quickly iterate optimal scope, **control costs and drive business priorities**

Deep industry expertise and competencies to help you build an agile organization that **operates and innovates at speed**

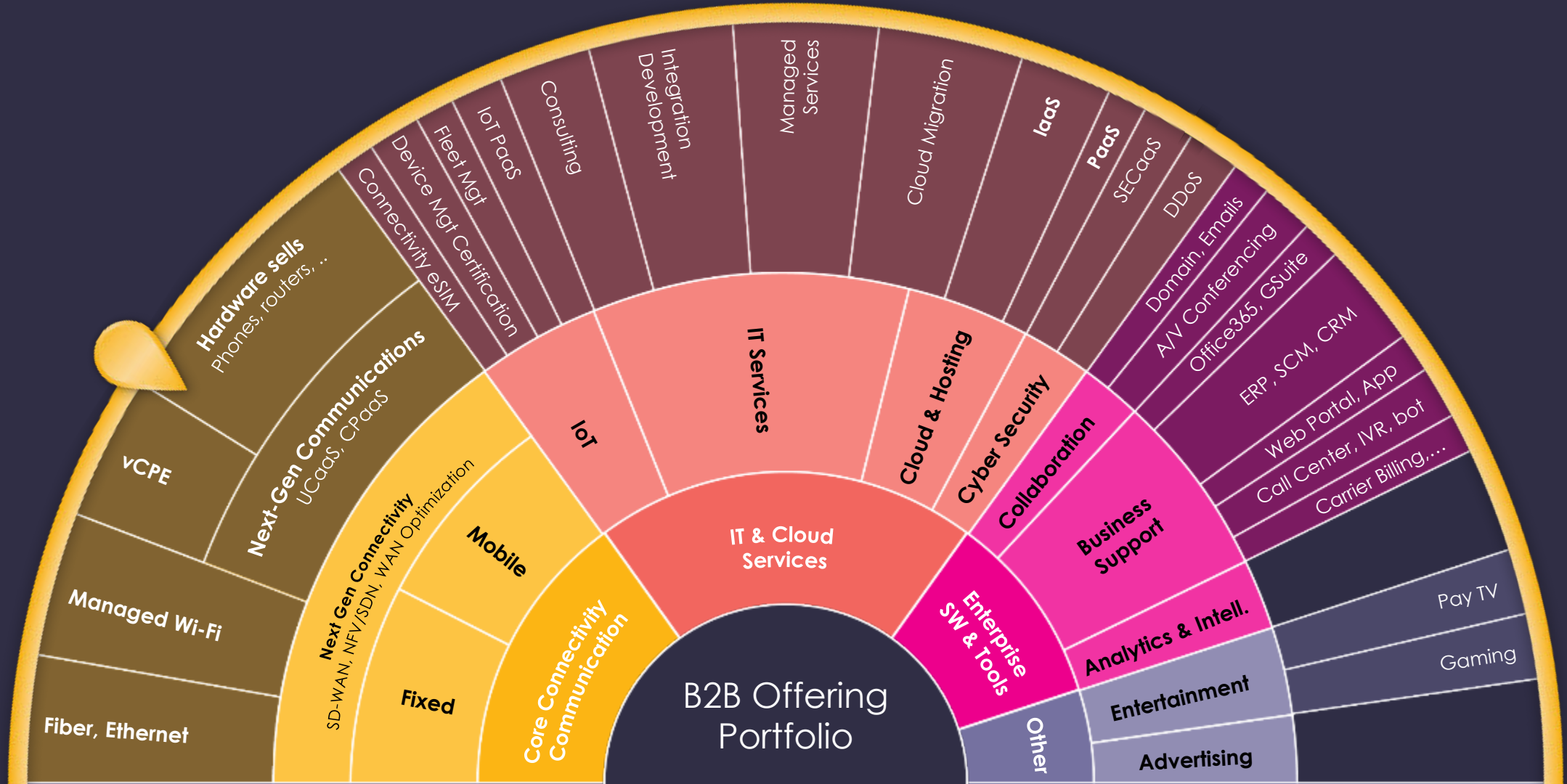
# The CSP B2B opportunity

a diverse portfolio of connectivity and beyond

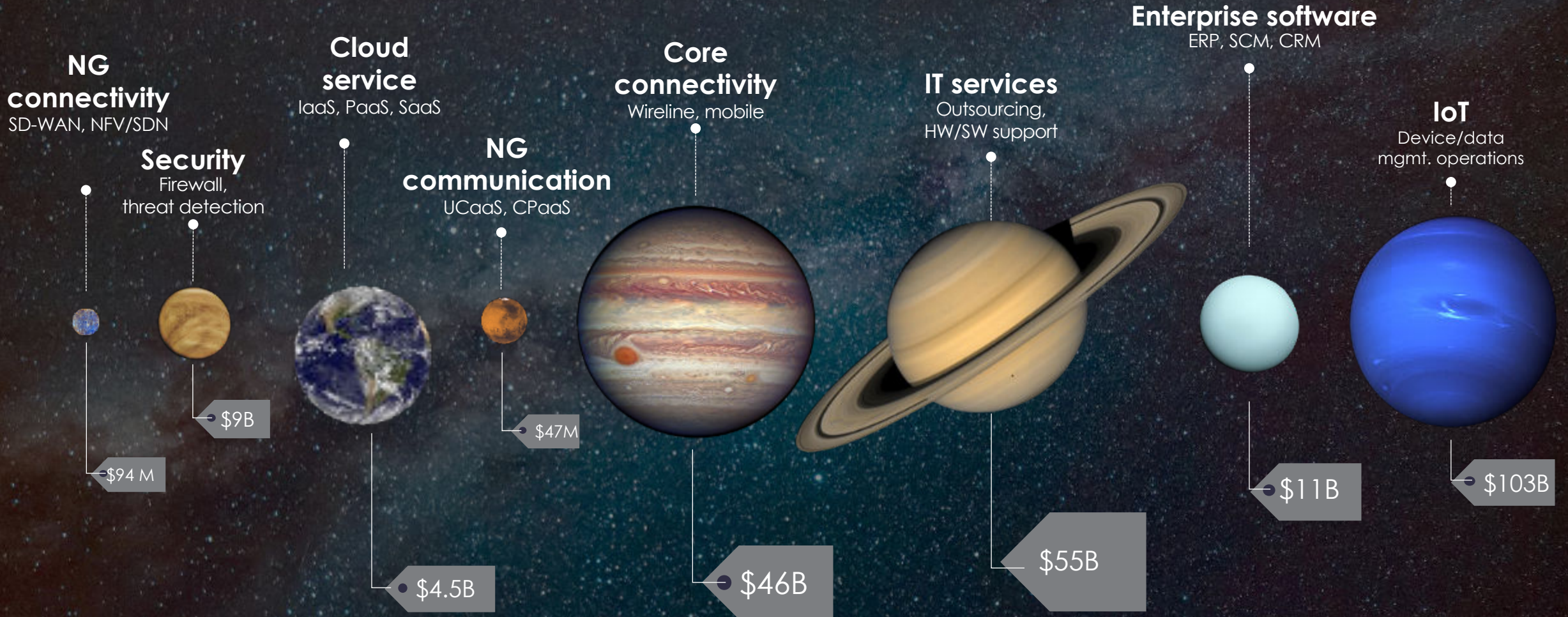


# A diverse portfolio of connectivity & beyond

But what to sell should not be “a wheel of fortune”



# Japan ICT Market to reach \$54B by 2022 (IDC)



# Service providers' enterprise vision

## From:

- Traditional networks ●
- Manual intensive, cumbersome operations ●
- Connectivity based revenues ●



## To:

- Virtualized connectivity and communications ●
- Digitized experience & automated operations ●
- ICT on-top of Connectivity ●

**Sell Smarter , Deliver Faster, Grow Beyond**

# The Time is Now

Renewed opportunity to grow beyond core

## Virtualizing the network



Proliferation of virtual network functions (VNFs) and related VAS

Network-as-a-Service (NaaS) allows quicker network monetization

## Cloudifying the enterprise



Migration of business applications to the public cloud

Business requires high performance environment with "cloud connect" solution

## Solutions for the 5G era



Multiple business models with complex partner ecosystem

Vertical industry app integration is the key to 5G enterprise monetization success

## IoT & Connected society



Mobilizing vertical industries

# Of connected devices

More than connectivity

**Artificial intelligence - Automation – Analytics**

**Key differentiator: SLA-based embedded connectivity**





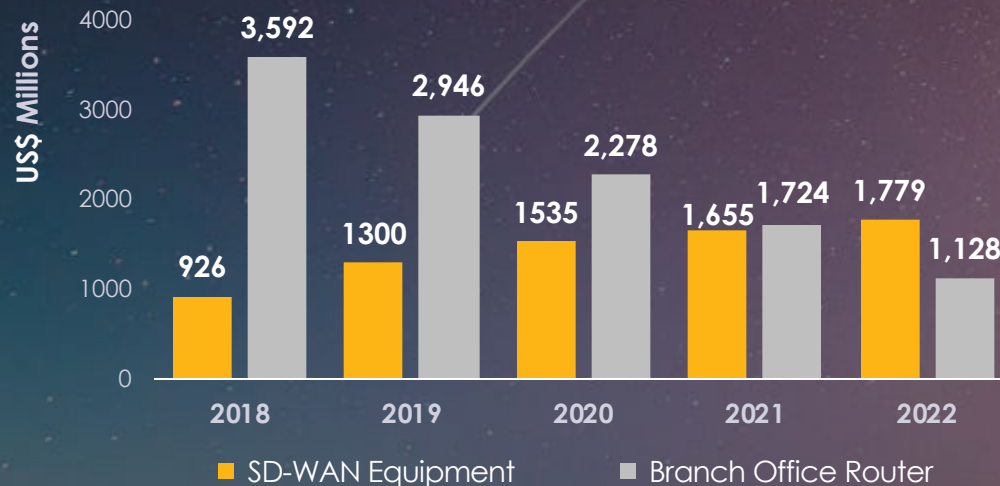
# Virtualizing the network

# Virtualizing the network SD-WAN is here to stay

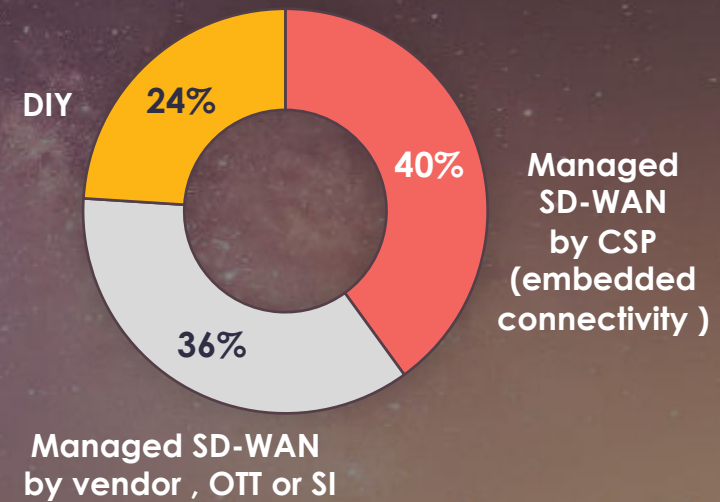
source  
**Gartner**

## Enterprises spending on edge routers vs. SD-WAN

75% of WAN infrastructure will use SD-WAN by 2022



## Favourable SD-WAN delivery model



Virtualizing the network

# It's time for NaaS (Network as a service)

Connectivity



SD-WAN

Automation



Self service portal

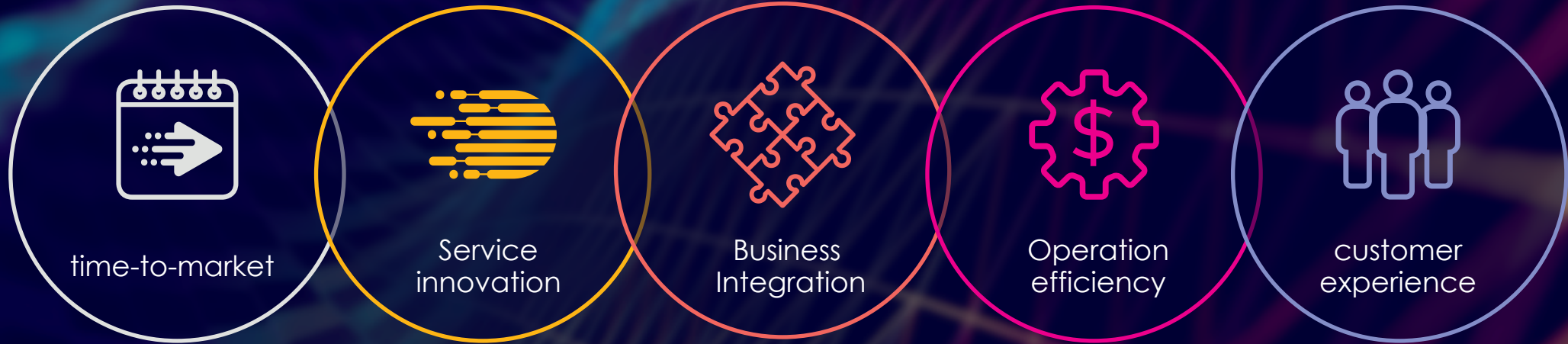
Value-added services



VNF Marketplace

# Virtualizing the network

## The NaaS advantages



### Fast onboarding

time and cost of getting SD-WAN and VNFs into the network

### Eliminate siloed platforms

Chain functions to create valuable service bundles

### Easy monetization

Integration of SD-WAN platforms with BSS/OSS

### Agile operation

Handle SD-WAN service orders quickly and efficiently

### Self service

Allow end users to design, customize, and manage virtual services through self service portal



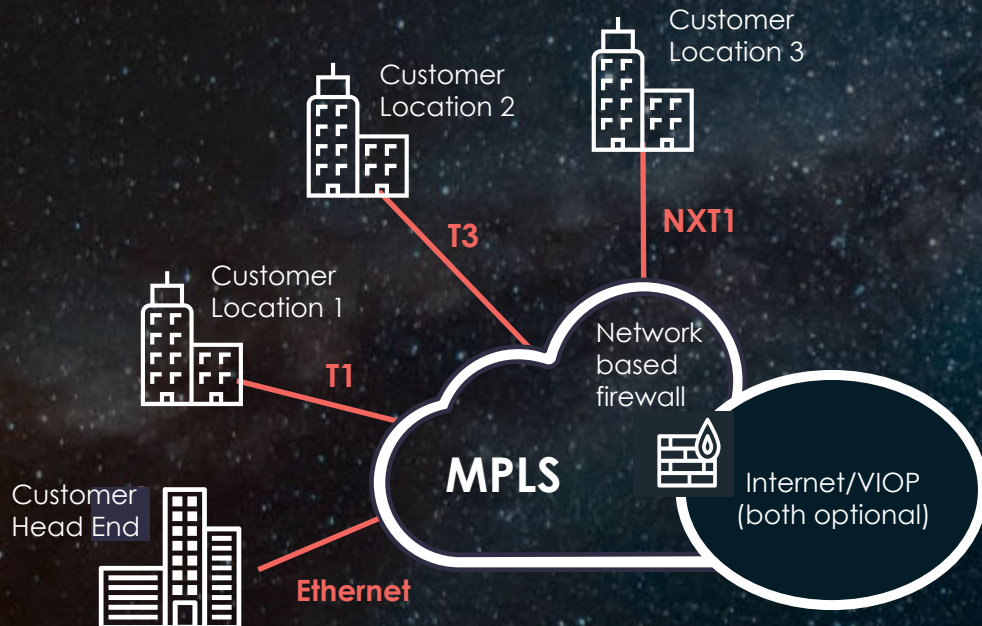
# Cloudifying the enterprise



# Cloudifying the enterprise

SD-WAN Adoption will accelerate enterprise cloudification

All branch offices are connected over MPLS lines to the HQ



Increased adoption of SaaS and cloud-based services\*

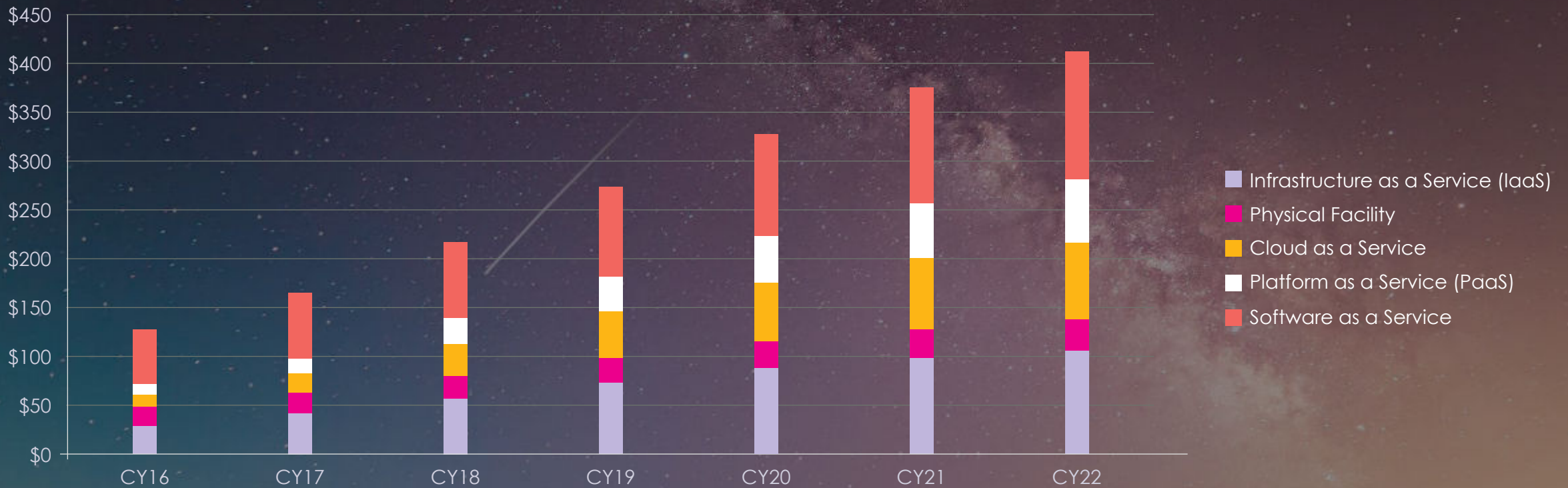


\* 73 percent of organizations say that "nearly all" their applications will be SaaS by 2020

# Adoption of public cloud is accelerating

Public cloud services global market hits \$4.1B in 2022

Enterprises adopt public cloud services to increase their business agility and reduce costs



Source: Market Research Future, May 2018

# Service providers role in the journey to cloud



## AT&T business cloud solutions:

“Find the products or services that fits your needs from cloud consulting, business colocation enterprise recovery services & more”



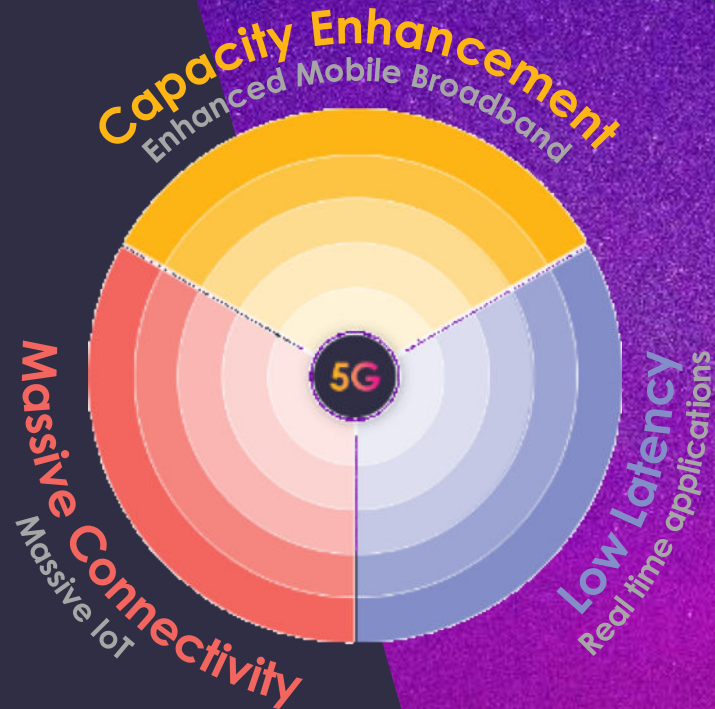
“Cloud services consulting, migrations and care”

From **private data centers** to **public cloud**





# Solutions for the 5G era

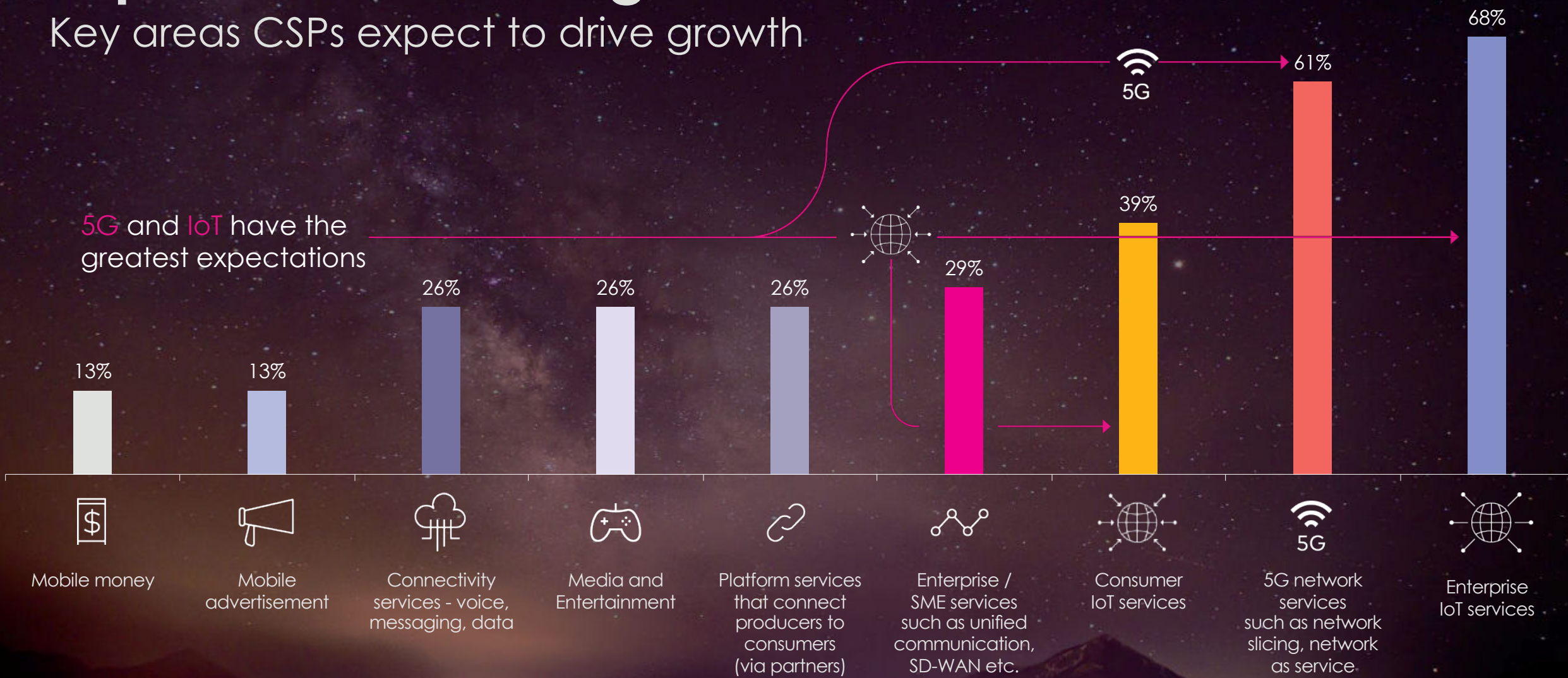


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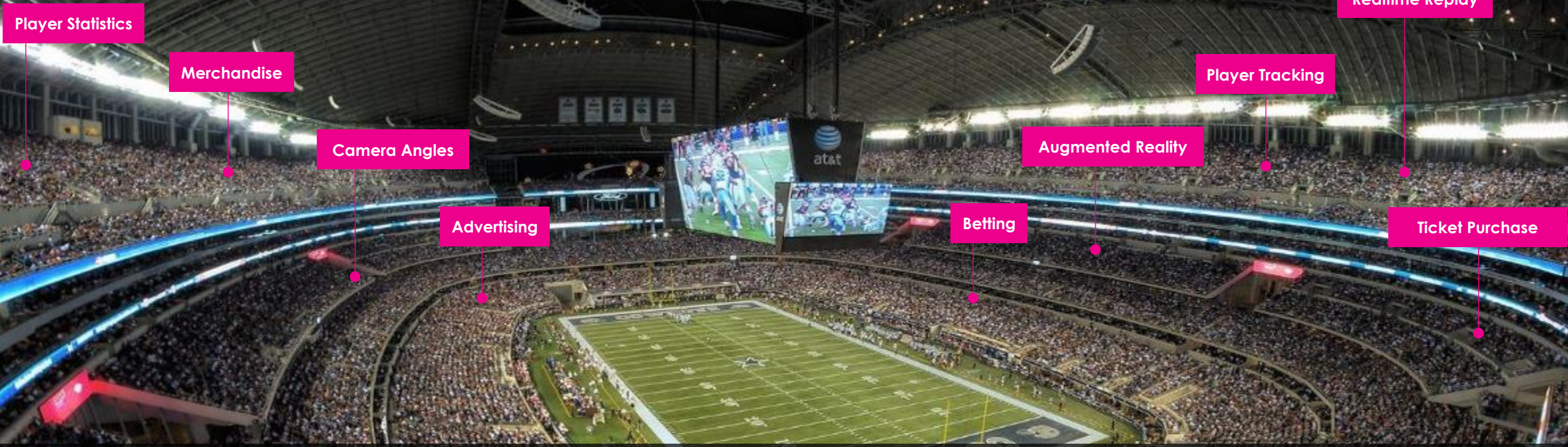
# Expectations are high

Key areas CSPs expect to drive growth

5G and IoT have the greatest expectations



# Connected event use case



High speed network providing personalised experience to multi mode devices and VIP users



Deploy thousands for antenna, Edge and Core



Edge Computing



Device and subscriber tracking



Network slicing



Dynamic Capacity Management



Beam Steering



Analytics who, when, where



Charge Multi Parties



# IoT & Connected societies

The scale of overall market for IoT  
is expected to grow from...

**9.30B JPY** in 2017 to...

**4.04T JPY** in 2023

**NRI** Nomura Research Institute, Ltd

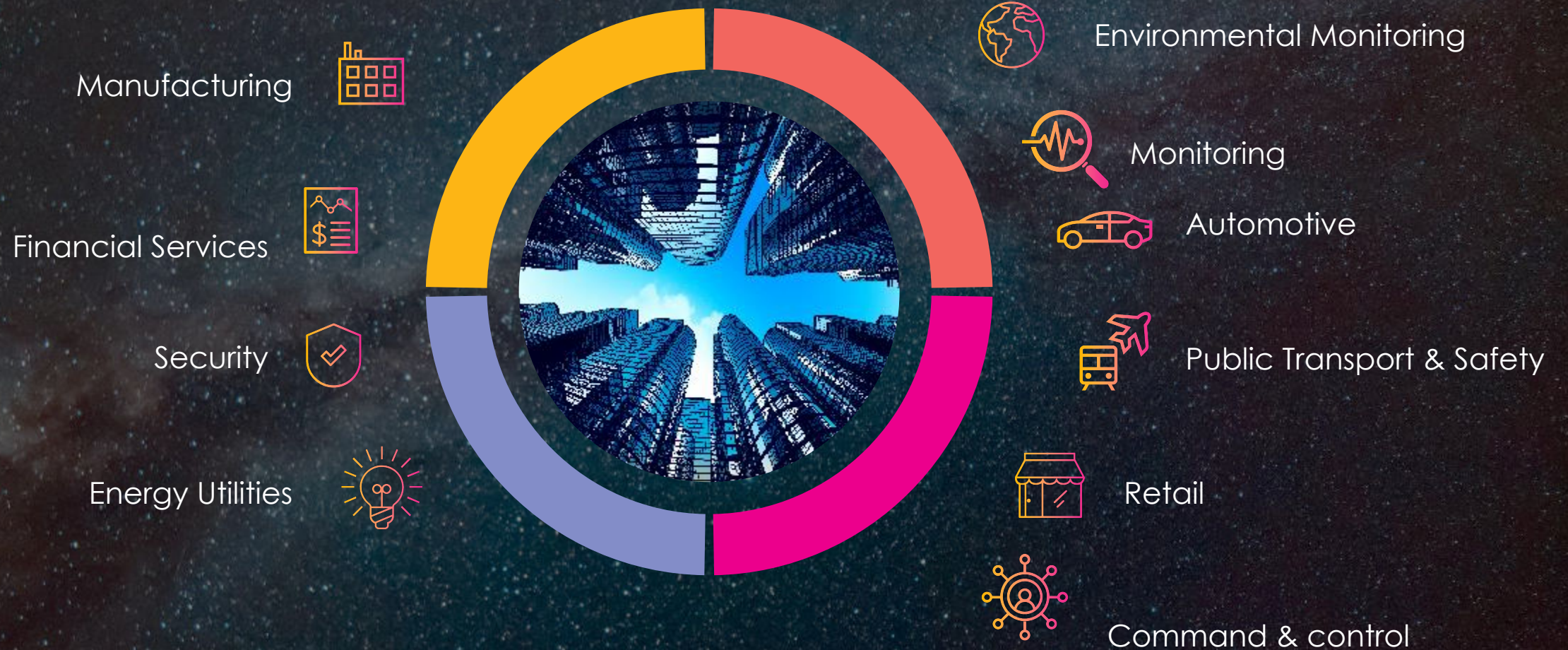
# SMB's are becoming smarter



Sustainable innovative solutions across all business aspects



# Enterprises/ Cities/ Governments





# The Time is Now

Everything is connected



**Cloudifying  
the enterprise**



**Virtualizing  
the network**



**Solutions  
for the 5G era**



**IoT & Connected  
societies**

**Artificial intelligence – Automation – Analytics**

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**Thank you**

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