

**ISKRATEL**

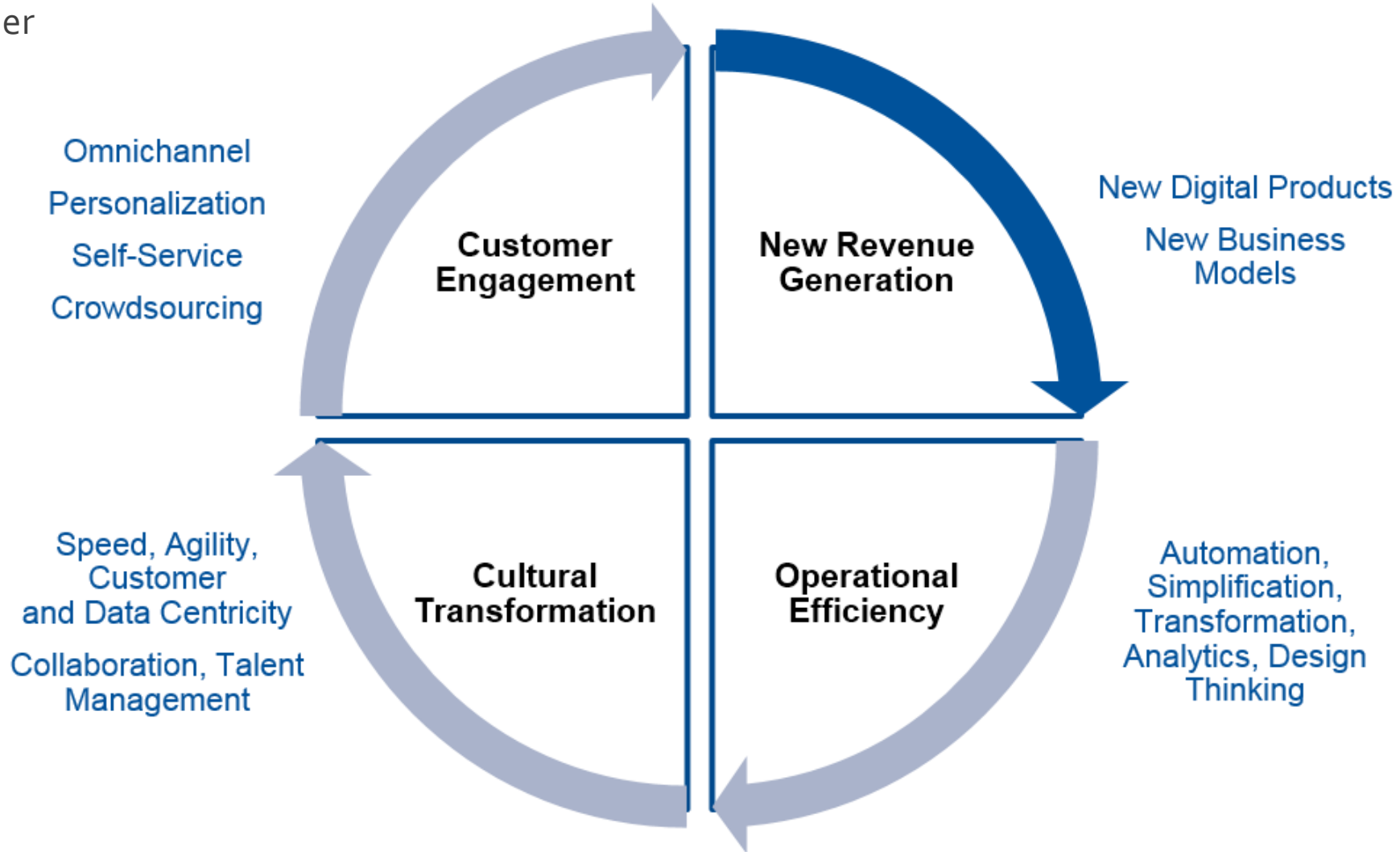
# Transformacija omrežij v oblačno arhitekturo in primer vIMS projekta pri velikem operaterju

Telekomunikacije 2016, Ljubljana, 16.1.1.2016

Janez Öri

# Key areas of Telco (digital) transformation

Source: Gartner



# The role of Cloud in Telco transformation

## New revenue generation:

- Private Telco cloud for offering of ICT services
- Telco as a provider of cloud infrastructure services

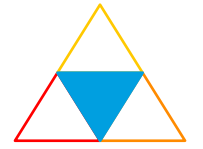


## Operational Efficiency:

- Cloudification of network functions (NFV/SDN) with consolidation, automation
- Optimisation of OPEX and CAPEX



# vIMS Deployment Means Networks Transformation



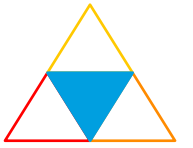
Iskratel experience with **vIMS deployment**

Iskratel is a **vendor**

**Consulting** is part of part of the process



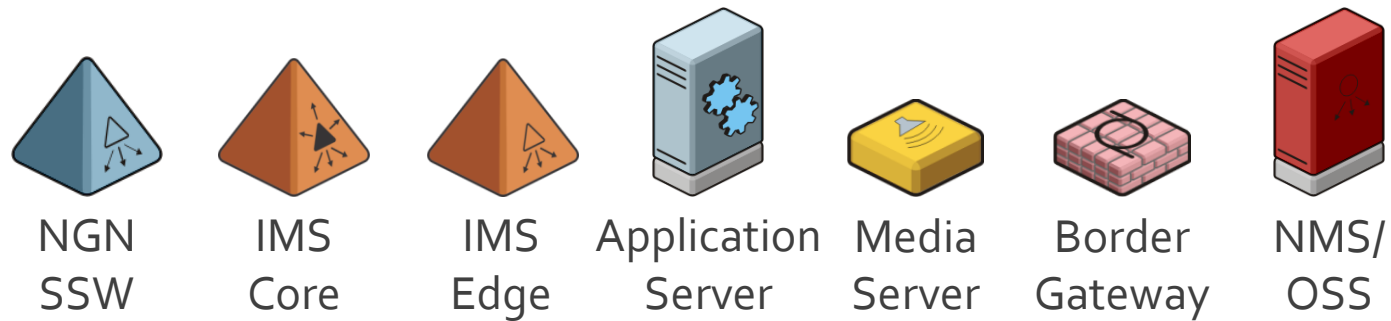
# Iskratel Portfolio for Cloud Network Transformation



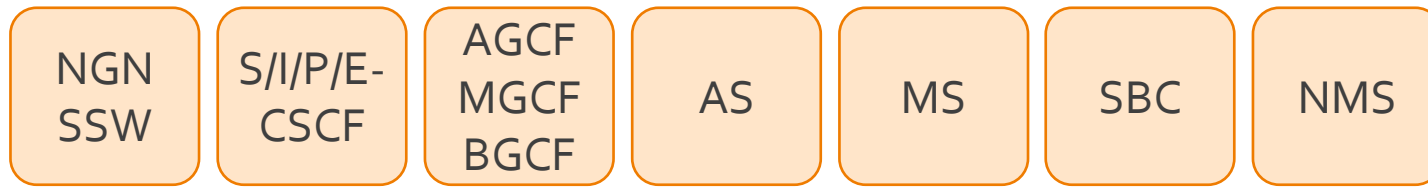
Value-added applications

Virtual PBX    Virtual SIM    IMS    MVNO OTT    VoLTE    VoWiFi

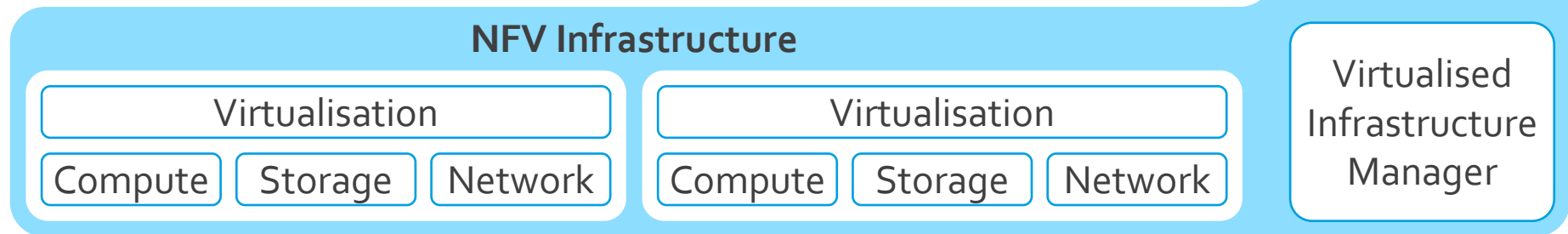
Products and solutions



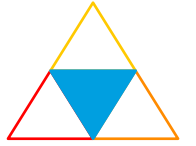
Virtualised functions



Iskratel CSP



# Defining the Scope



From a **big problem** to a **targeted challenge**

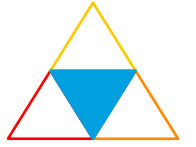
## Key challenges – the interfaces:

- Billing
- OSS/BSS
- Interconnections
- Regulatory

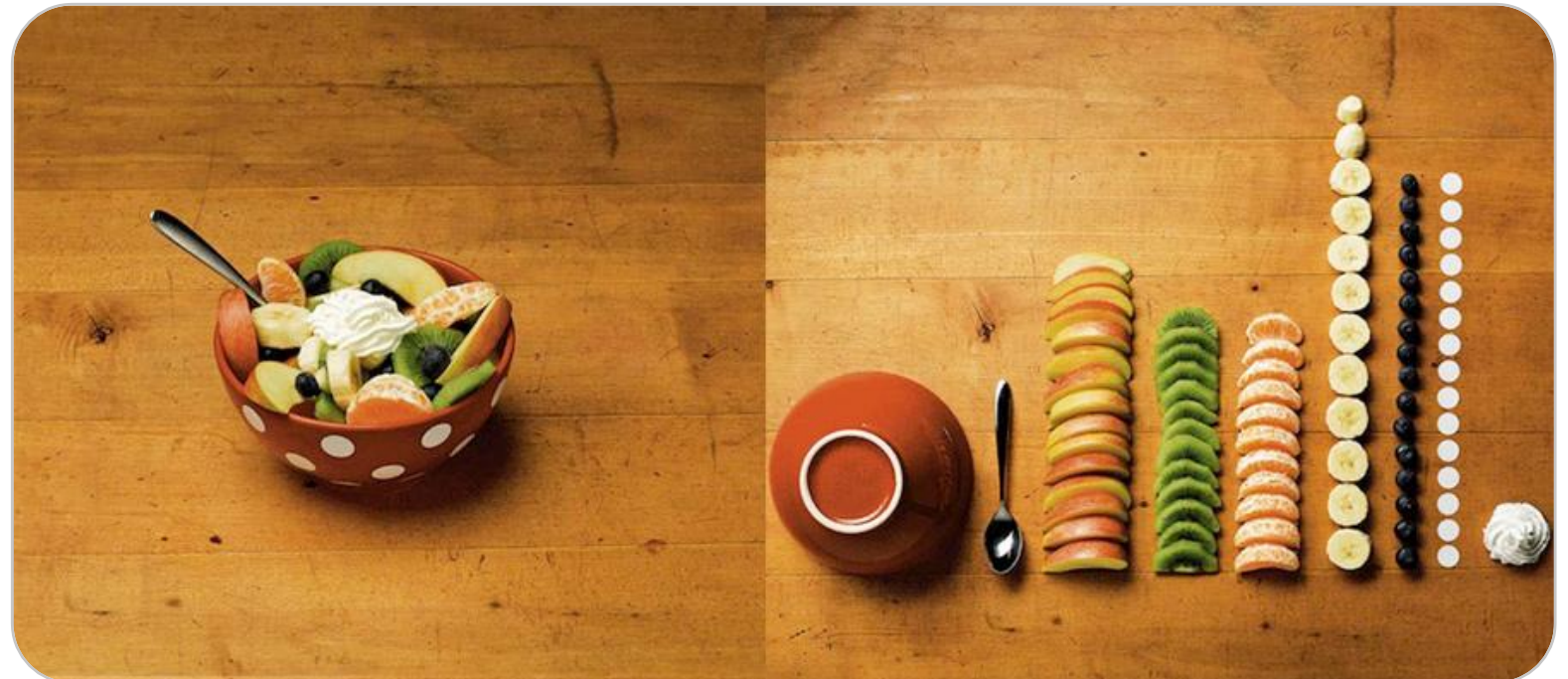




# Can Moving to Another Place Improve Your Life?



1. **Do not virtualise a chaos!**
2. **Clean up the house!**
3. **Be strict!**



# But Telcos Have to Address the Challenges...



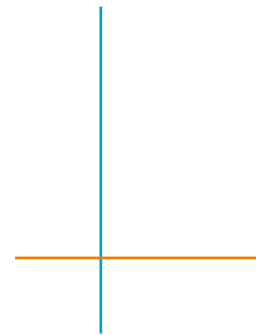
**Regulatory** issues

**Distance** barriers

**High availability**

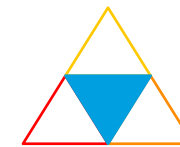
**Safety** and **Security**

**Natural disasters**



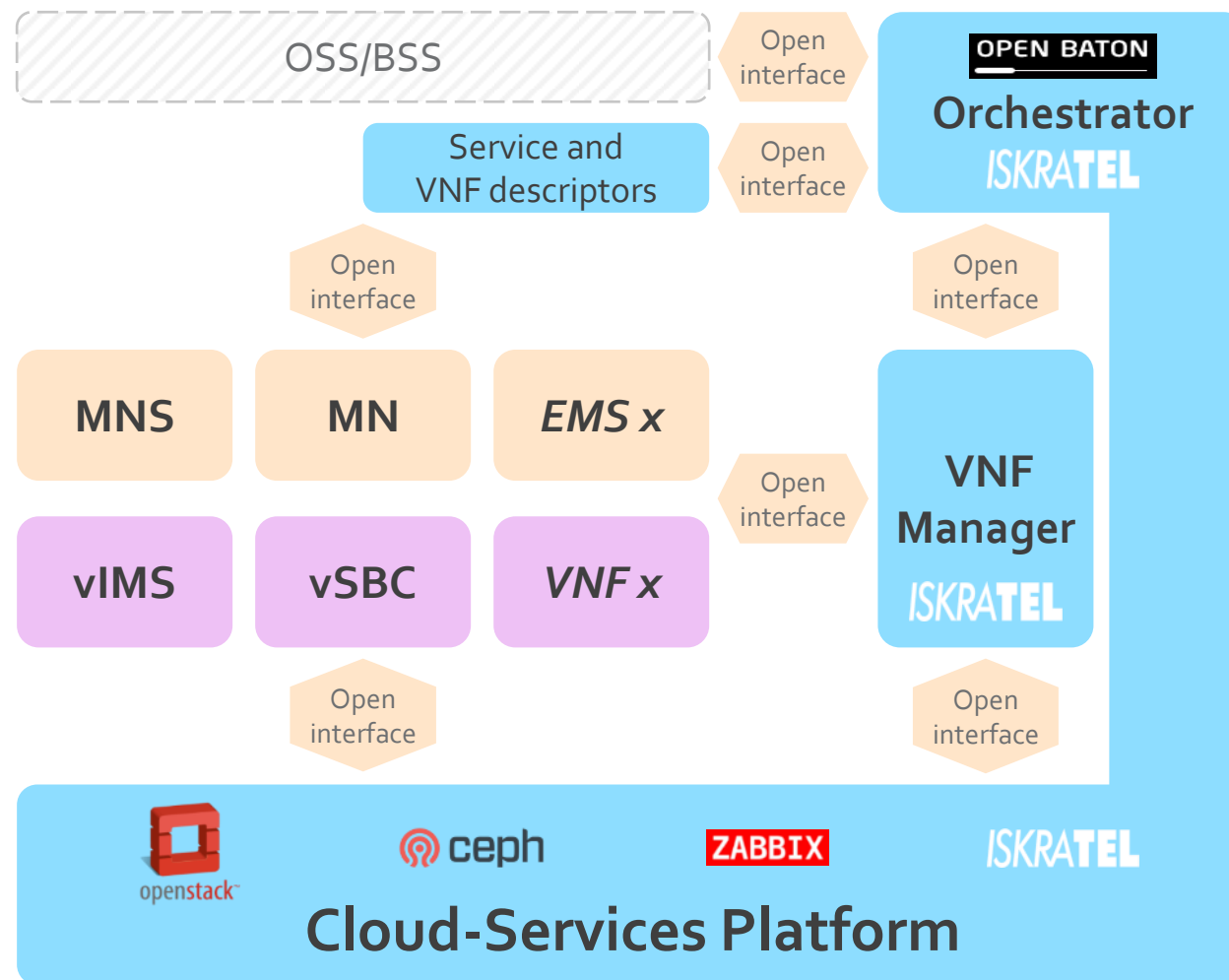


# Iskratel Cloud-Services Platform

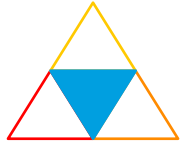


**Carrier-grade** Telco NFV cloud

Orchestrator-driven  
**high availability** and  
**geo-redundancy**



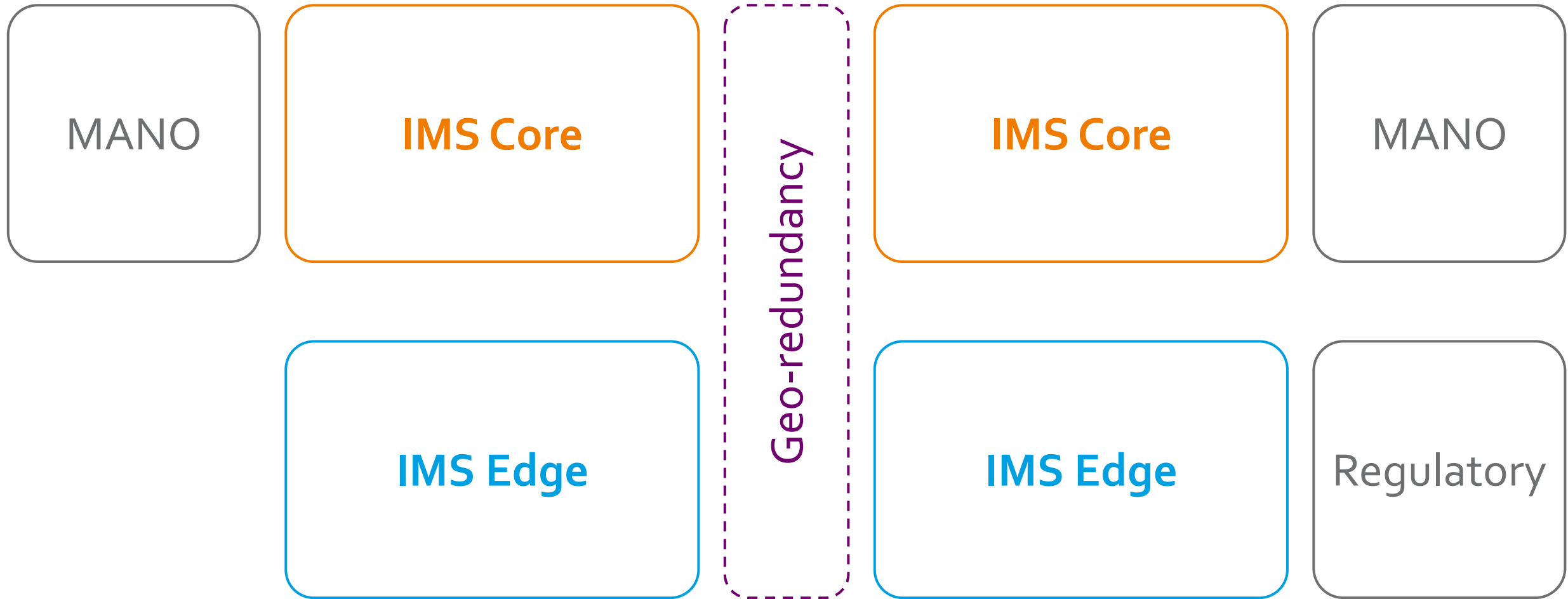
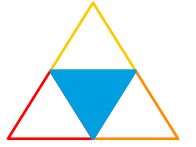
# Unique value of Iskratel CSP



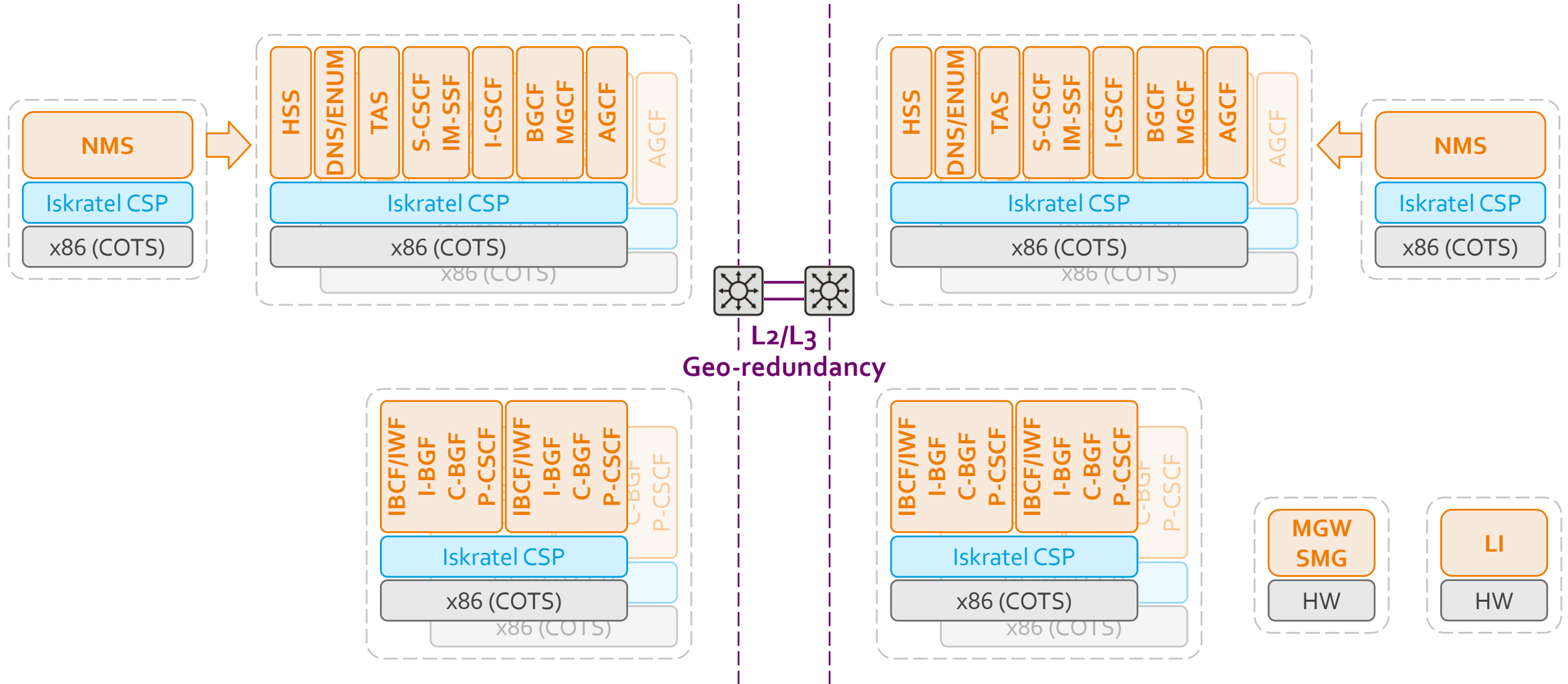
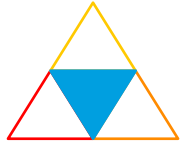
Iskratel CSP is the only cloud-services platform that guarantees high availability and geo-redundancy of cloud services on an open, ETSI NFV-compliant architecture.

Orchestrator-driven process automation and predictive auto-scalability ensure the lowest TCO throughout the process of network consolidation and cloudification.

# Iskratel vIMS at a Major Tier-1 Operator



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# Conclusions

Deployment of vXXX means **networks transformation**

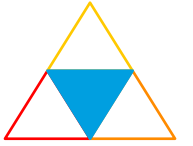
Key challenges – the **interfaces to the existing network**

Do not **virtualise a chaos**

NFV has to support **Telco challenges** →  
orchestrator-driven **high availability**



# Why Iskratel for Your Network Transformation?



## We master migration scenarios and protect your investment

- Smooth migration from HW-specific to cloud-based solutions
- Flexible modernisation with support for legacy
- Proven migration reference of 500+ IP SSW objects worldwide

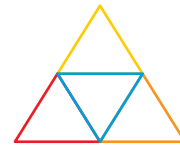
## We employ our know-how for optimal system integration

- Complete portfolio for TCO-optimised networks
- Proven interoperability and integration with other systems
- Flexibility to customise and adapt to specific needs

## We are able to comply with local regulatory requirements



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