



**MWC**<sup>TM</sup>  
GSM A



A photograph of two astronauts in white space suits standing on the lunar surface. They are looking towards the Earth, which is a large, curved blue and white sphere in the dark sky. The astronaut on the left has a glowing blue circular light on their chest. The ground is dark and rocky.

A change of *Era*

What triggers a change of *Era*?

Massive accumulation of  
*Technology*

Edge Computing • IoT • Cloud • Virtualization • Quantum Computing • APIs • NFV • SDN • Blockchain • RPA • Digital Twins • Big Data • 5G SA • 6G • Open RAN • 50G PON • Network Slicing • FTTB • WiFi 7 • FTTH • Naas • FTTC • 25GPON • GPON • FTTN • Cybersecurity • V • Holographic Communications • Nanotechnology • Haptic Interface • Artificial Intelligence • Machine Learning • Motion Capture • Tokenization • GAN • Deep Learning • Smart Contract • NaaS • M • A • C • H • I • S • A • R • I • S • I • S • A • R • I • S

Our sector is not new to  
*Disruption*

Copper

Vacuum Tube

Transistor

Workstations

Integrated  
Circuit

Mainframe

Narrowband

ISPs

ADSL

WiFi

XGPON

1G

2G

3G

4G

5G

50GPON

Smartphone

Ultrabroadband

Cloud

Web 1

Docsis

GPON

Web 2

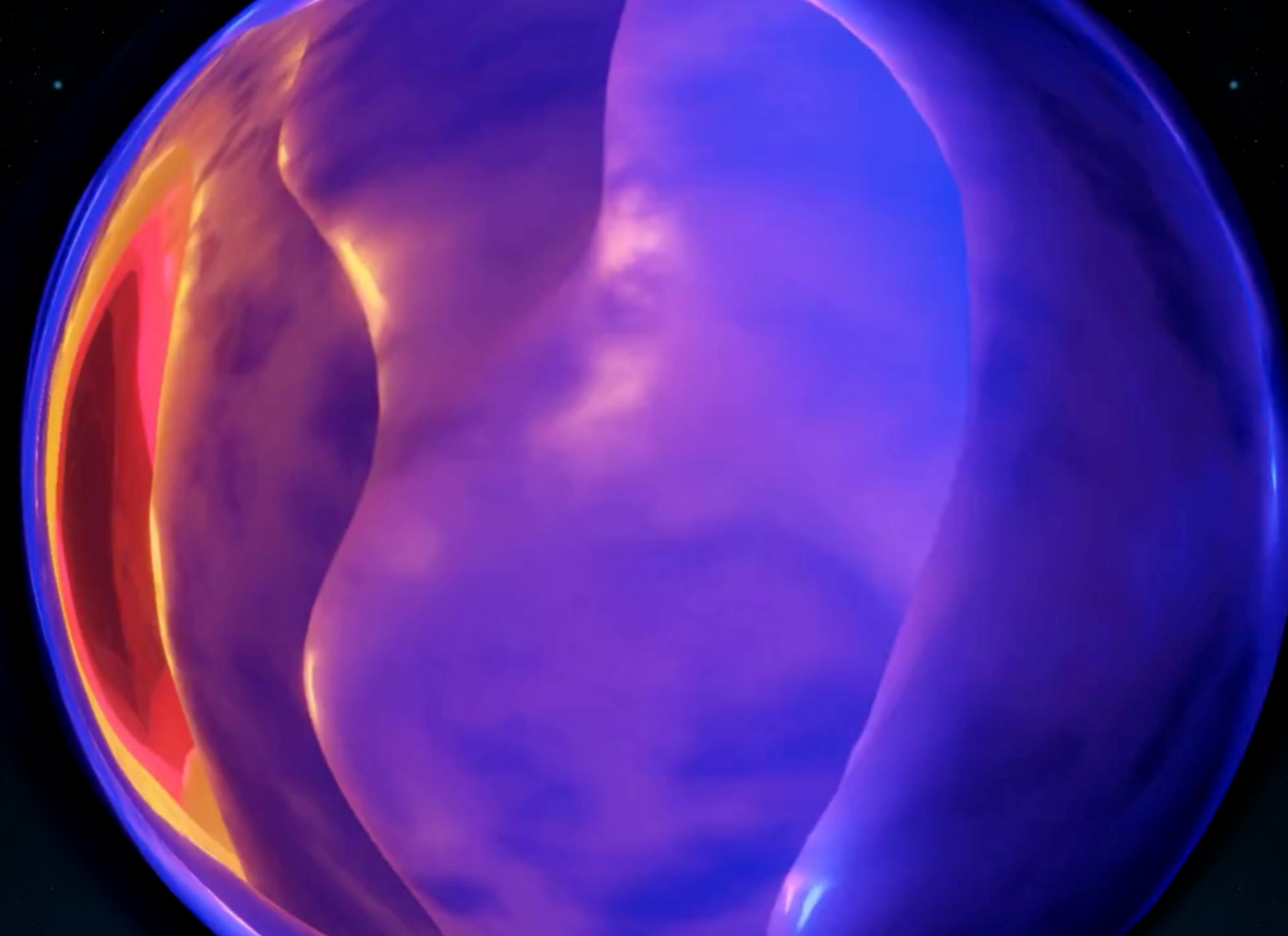
Web3

Mobile

Computation

Telco

AI

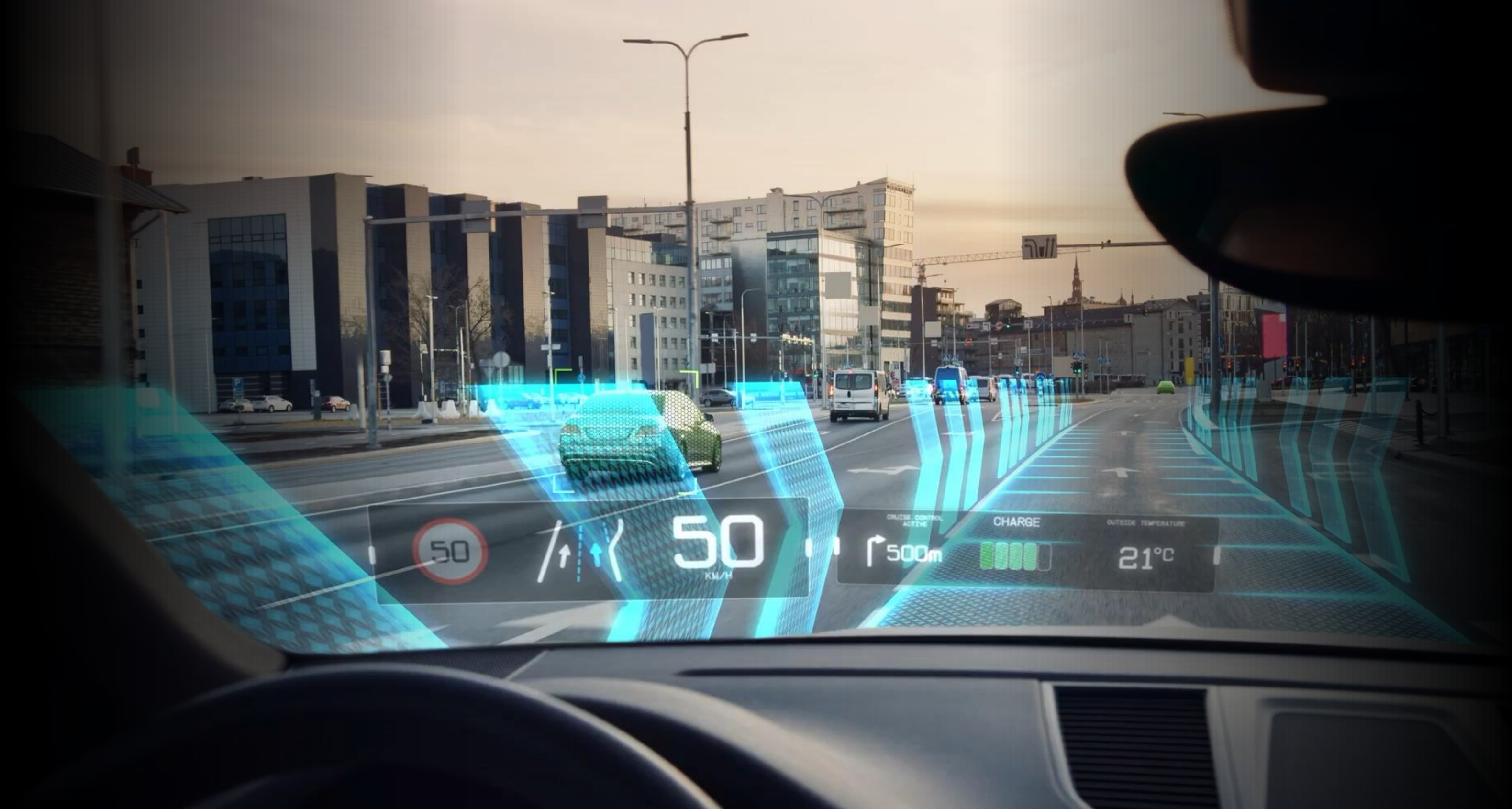


Computation

Web3



Digital Services



of the future

Traffic

*Explosion*

x27

x24

2012

2022

2032



Speed

Mobility

Security

Privacy



Speed

Mobility

Security

Privacy

*Latency*

*Capacity*

*Processing*

*Personalization*

Future-ready **TELCO**

**Low Latency** | **Programmable** | **Cloud + Edge Computing**

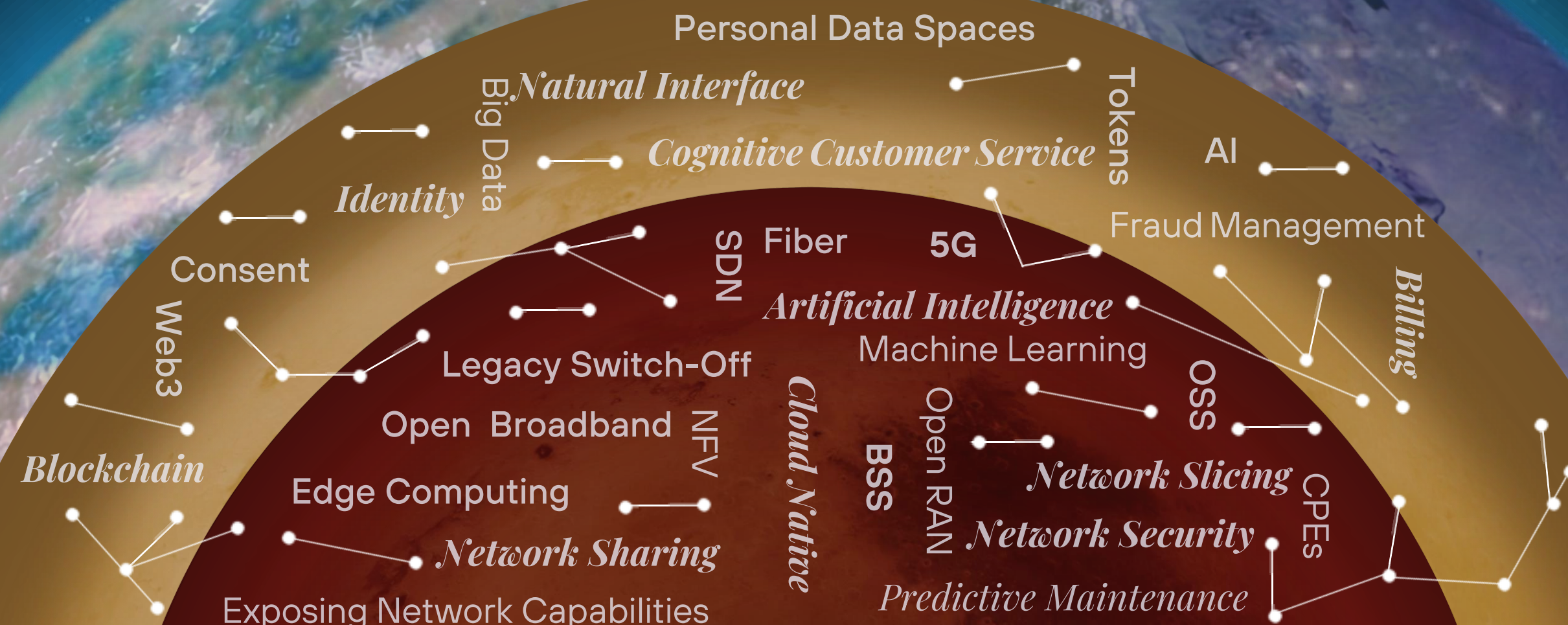




# Digital Brain

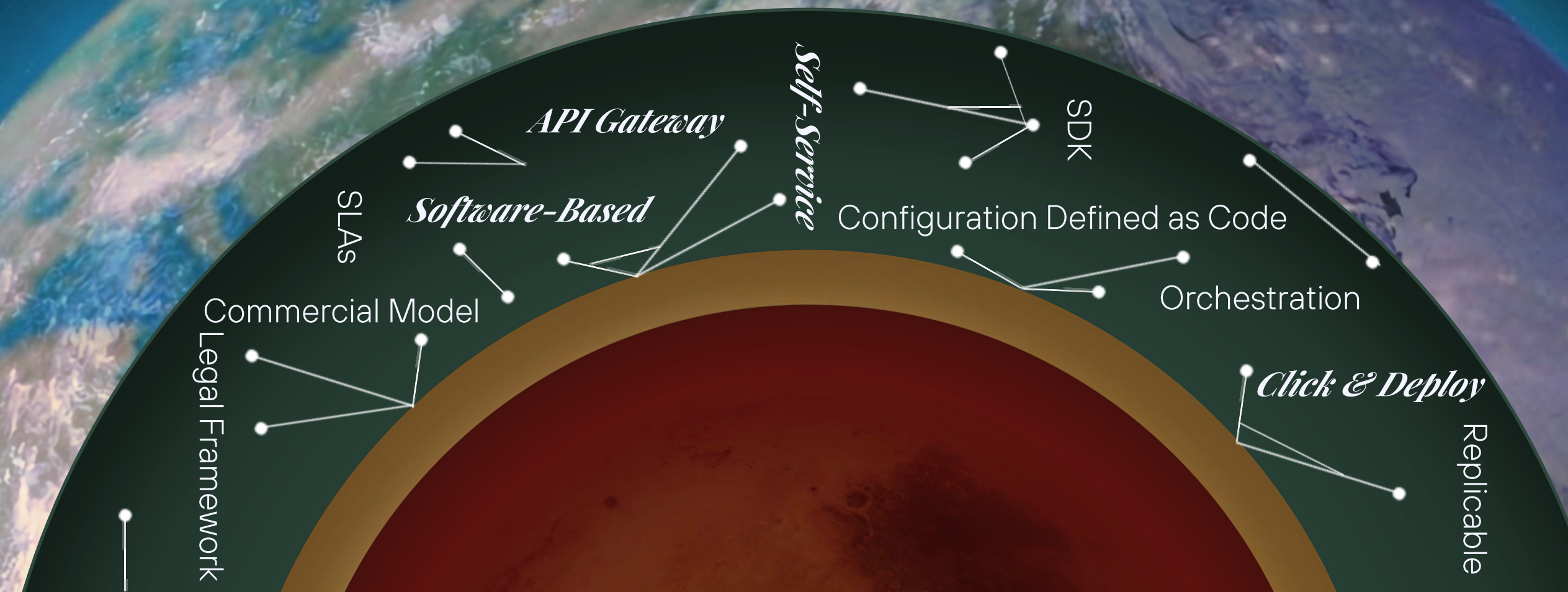


# Physical Infrastructure

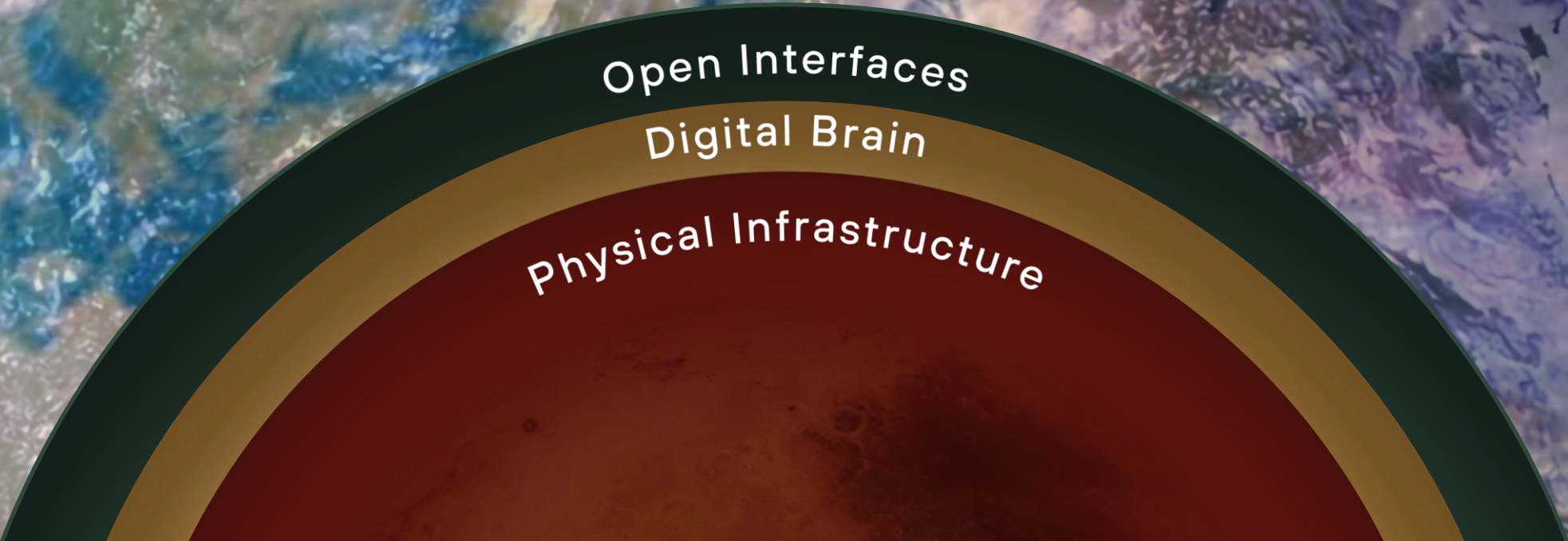




# Open Interfaces

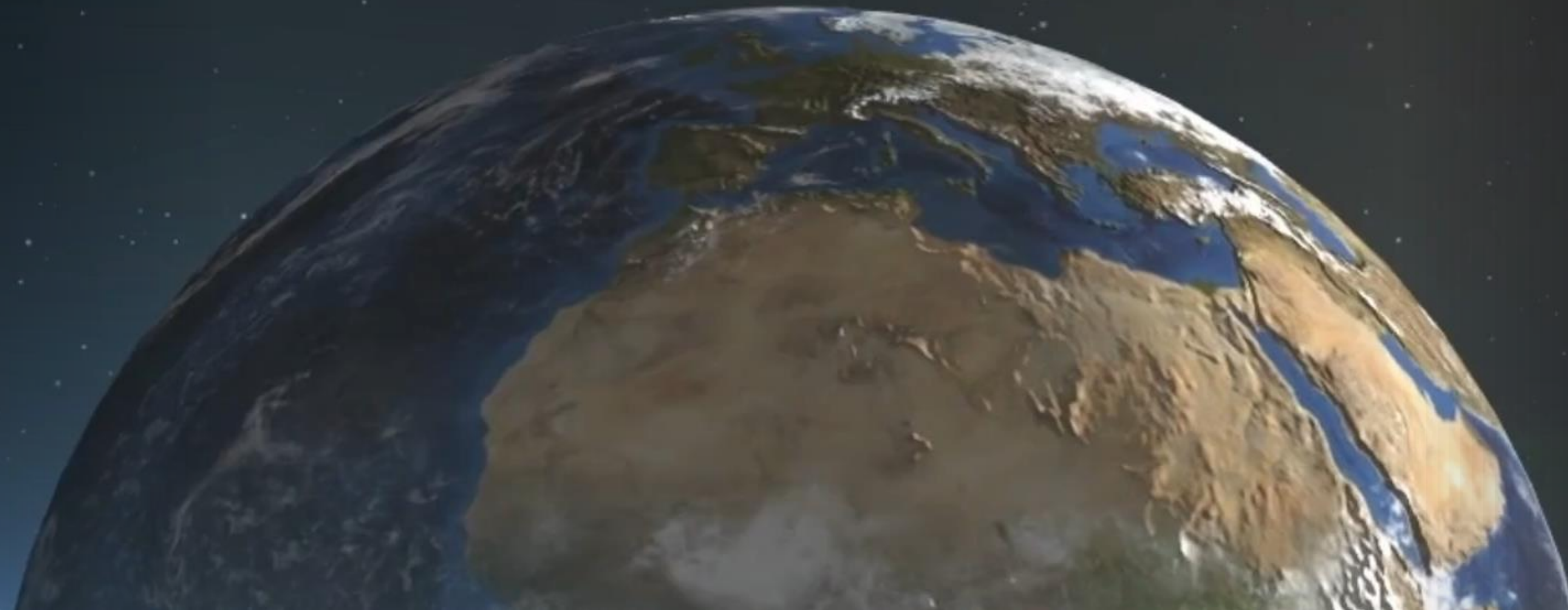


# *Earth* Computing



Open Interfaces  
Digital Brain  
Physical Infrastructure

# *Earth* Computing



Cloud Computing

OPEN APIS

*Earth* Computing

The best of the

*Earth*



The best of the

Cloud



Today

**GSMA**<sup>TM</sup>

5,500,000,000  
people

Voice  
Data  
Roaming

● PEN GATEWAY

3,900,000,000  
people

21  
operators





# GSM<sup>TM</sup>A (R)EVOLUTION

The largest API-based data platform worldwide

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Hacking data

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Digital supermarket

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The most relevant Technology association

A man wearing a VR headset and a grey hoodie stands on a small, textured blue globe. He is reaching out with his right hand towards a glowing blue sphere. The background is a vast space scene with several large, blue, textured celestial bodies and a bright light source creating a lens flare effect. The overall color palette is dominated by blues and greys.

MAKING THINGS HAPPEN

Today

# 8 APIs

Quality  
on Demand

Edge Site  
Selection  
& Routing

Device  
Status

Device  
Location

SIM  
Swap

Number  
Verification

OTP  
Validation

Carrier  
Billing

# Balanced Ecosystem



*A new era*  
hypersector collaboration

People

Values

Inclusion

Trust

Progress

Sustainability



Telcos have



come a long way

To build the

*Earth* Computing

Intelligence happens on the *Earth*

# *Earth* Computing