sodacon 2020

DATA CONNECTED

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Achieving Digital Transformation with 5G and Edge Cloud

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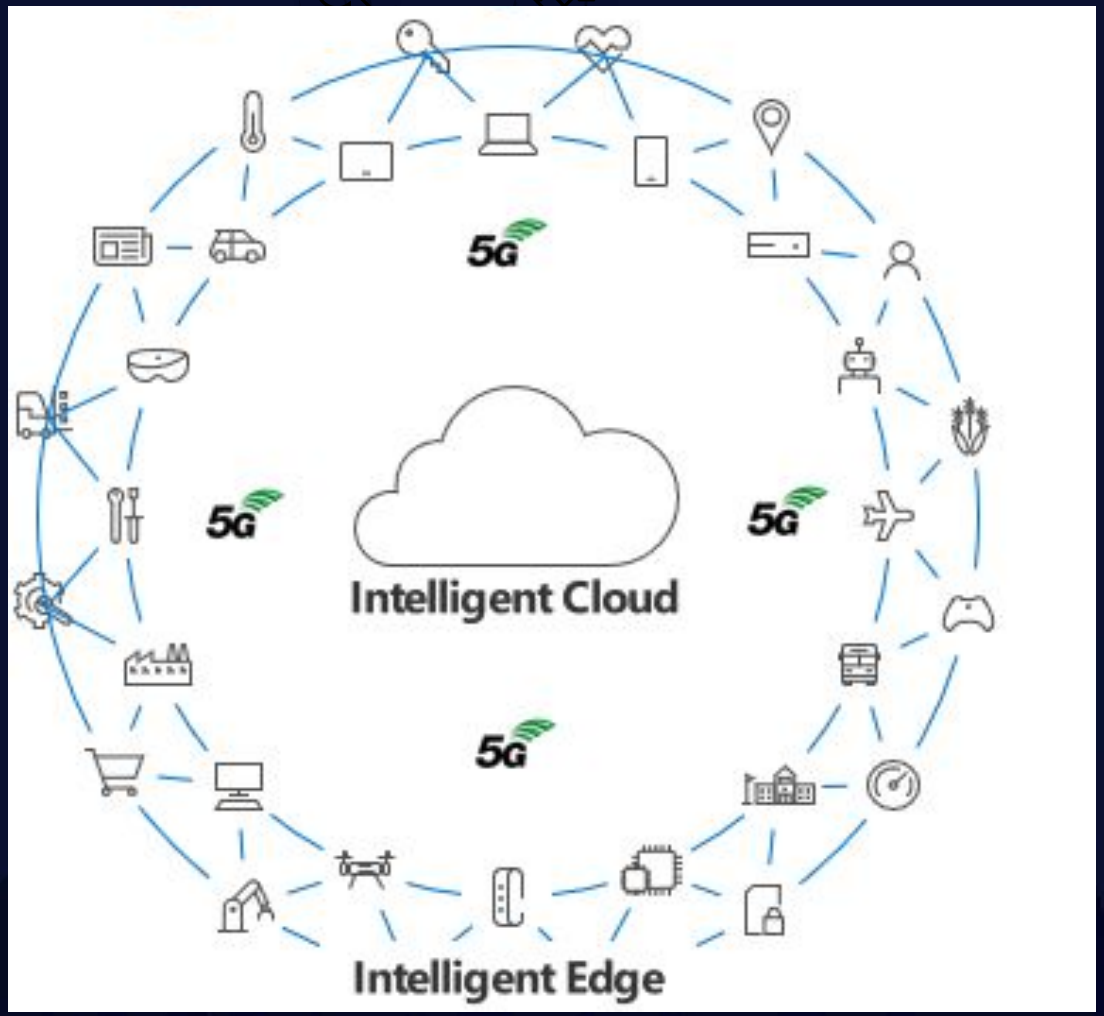
soda foundation

Intelligent Cloud & Intelligent Edge

- Gaming
- Modern Life
- Modern Workplace
- Business applications
- Applications & infrastructure
- Data & AI

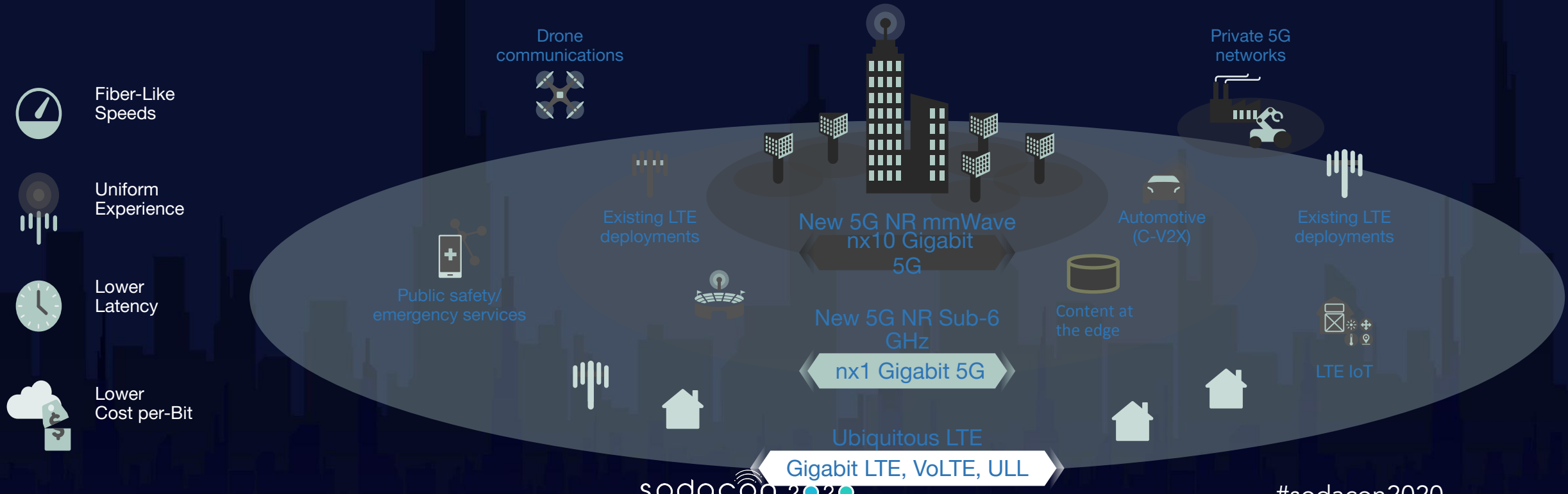


*5G is going to help marry the intelligent cloud and the intelligent edge in a way that **brings the power of computing and machine intelligence right to the source** – every device will not only be connected, but intelligent and able to seamlessly operate with the rest of your digital life in real-time*

Microsoft Confidential

What is 5G?

1. **Ubiquitous 4G Gigabit LTE** / IMS as the fallback (43 MOs deployed since 2018) – 100s of Mb/s
2. **5G New Radio (NR) "Sub 6"** – Below 6HGhz spectrum capabilities provides single digit Gbp/s bandwidth with more consistent coverage and lower cost per sub; upgrade existing telecom equip
3. **5G NR "mmWave"** – millimeter wave high frequency capabilities that 10s of Gb/s bandwidth and precise indoor location; new equip needed



Intelligent Cloud and Edge with 4G/5G

Five Workload Types – One Infrastructure to Run Them All

Enable **Business Platforms**

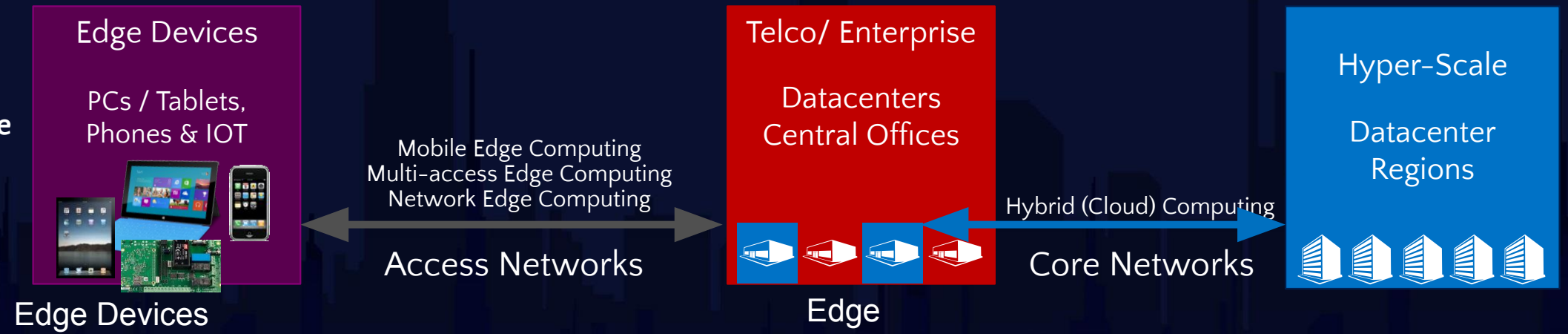
Five Primary Workload Archetypes

1. **IT** (BSS/OSS, M365/D365)
2. **IOT** Connected Things Scenarios
3. **Media / Gaming**
4. **NFV** (4G/5G, EPC) & Service Orchestration (ONAP)
5. **AI** & Data Analytics

Tenant

Platform

Run on **Infrastructure**



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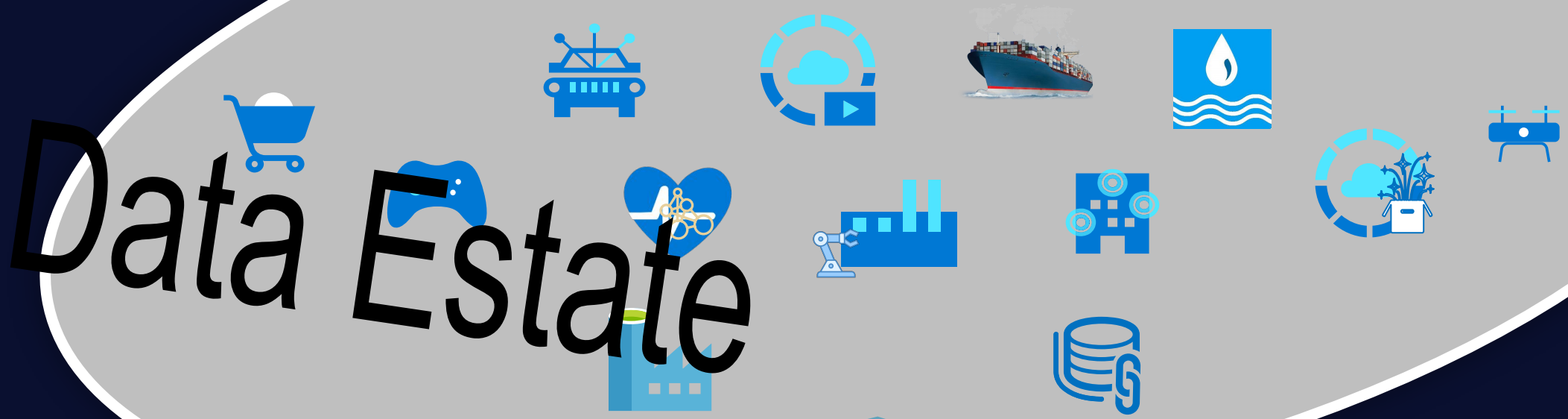
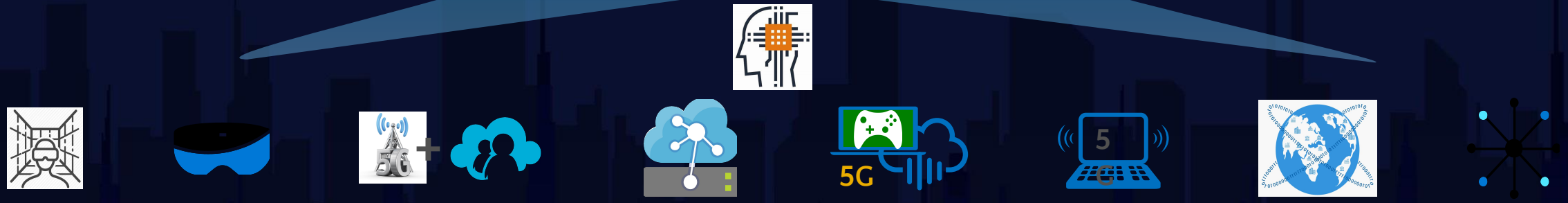
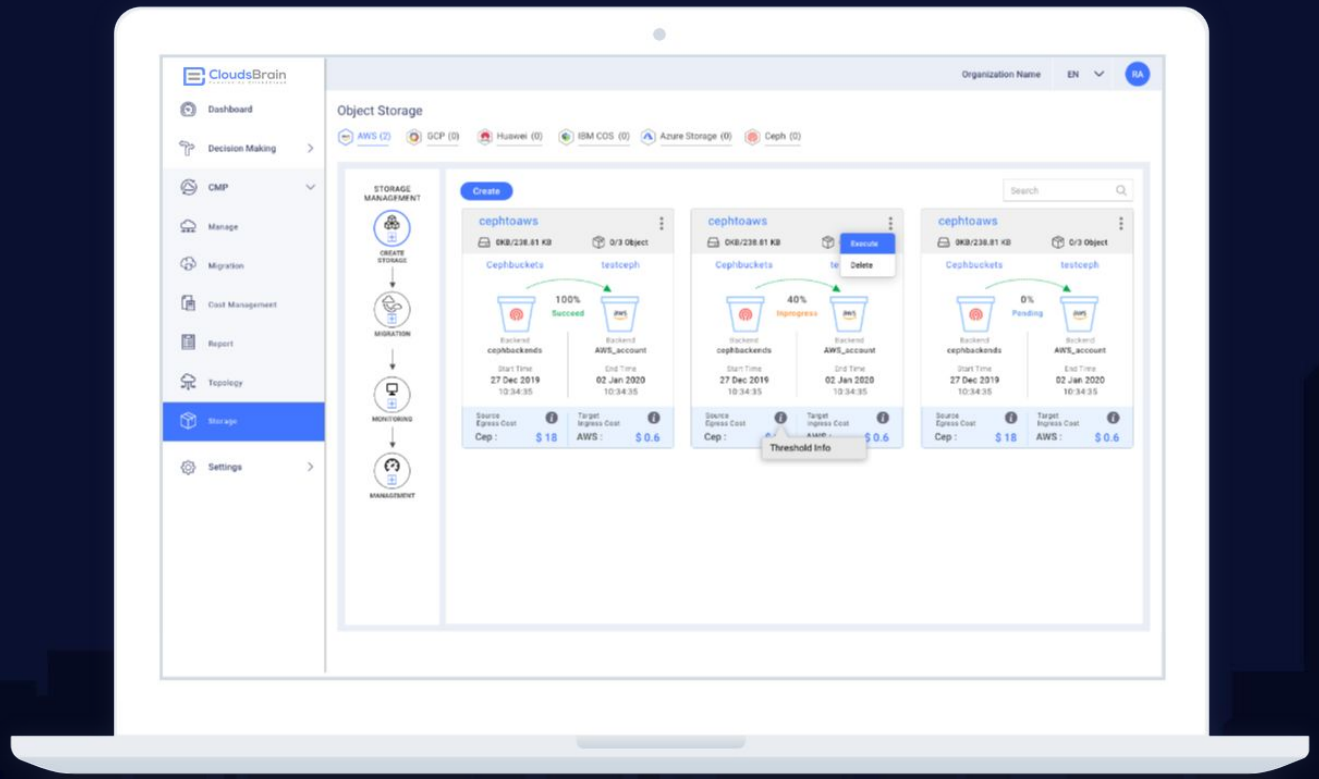
Business Canvas - 5G / Edge Cloud User Scenarios





5G & Digital Transformation



All companies are **becoming software companies** that leverage a digital feedback loop

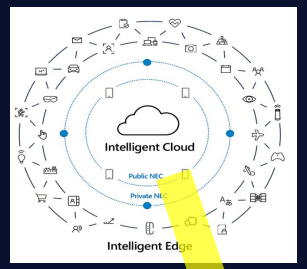
A **planetary scale cloud platform** provides an opportunity to Digitally Transform and move CAPEX to OPEX

5G becomes the catalyst technology between the Intelligent Cloud and Intelligent Edge

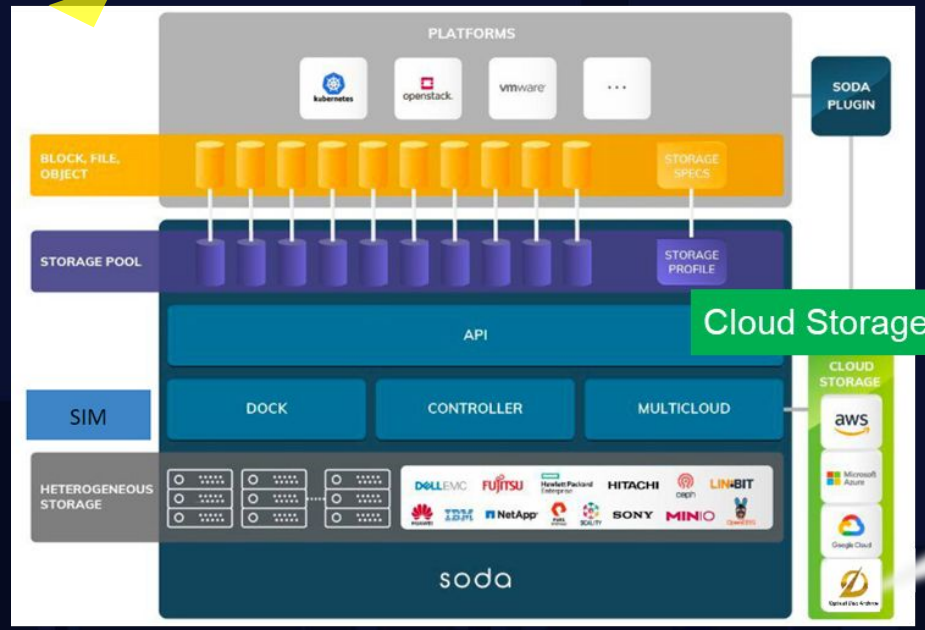
AI in the Cloud and Edge become required to meet scale and innovation needs

5G provides an opportunity to **use cellular as a primary network** in many verticals

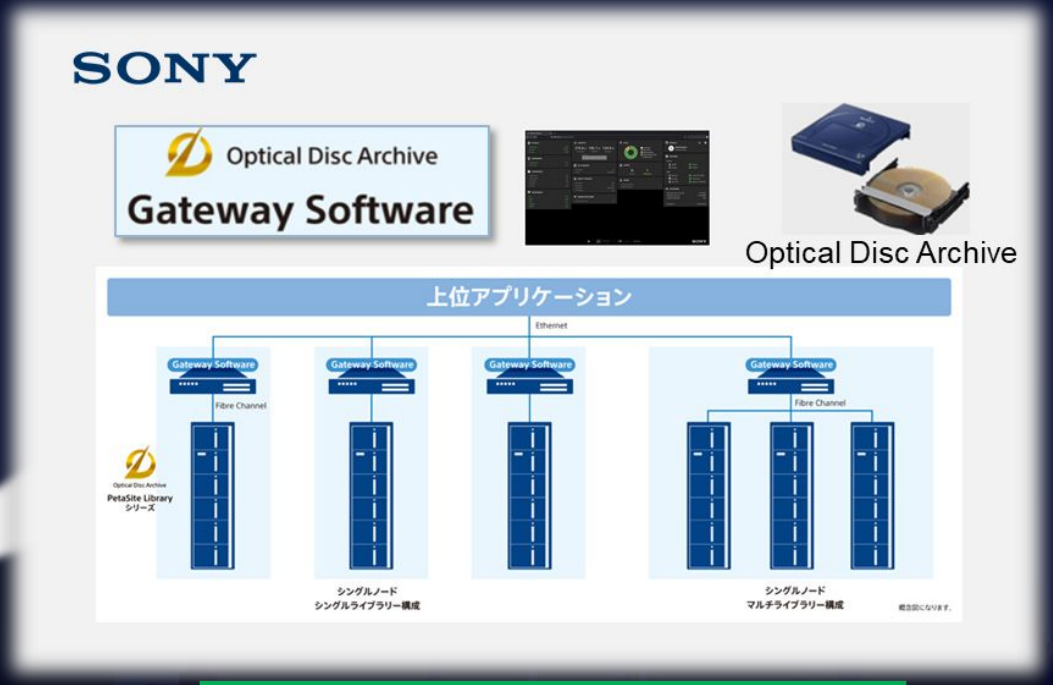
Sony Cold Storage



SODA



Cloud Storages



work as on-premise archive storage
(providing S3 compatible IF)

Click2Cloud

Thank you