

EDGE IN ENTERPRISE AND 5G

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INDUSTRY INFLECTIONS DRIVING GROWTH

5G NETWORK
TRANSFORMATION



AI
REVOLUTION



EDGE
EXPLOSION

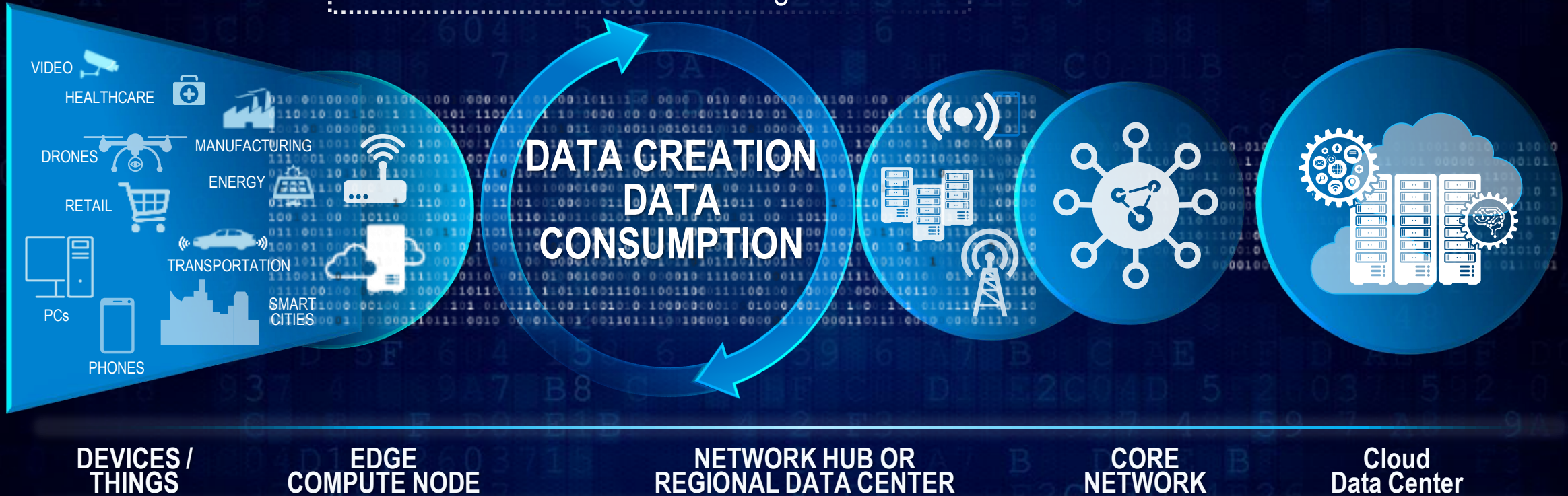


CLOUDIFICATION
OF EVERYTHING



WHAT IS THE EDGE?

By 2022, **45%** of data will be stored, analyzed, and acted on at the edge¹

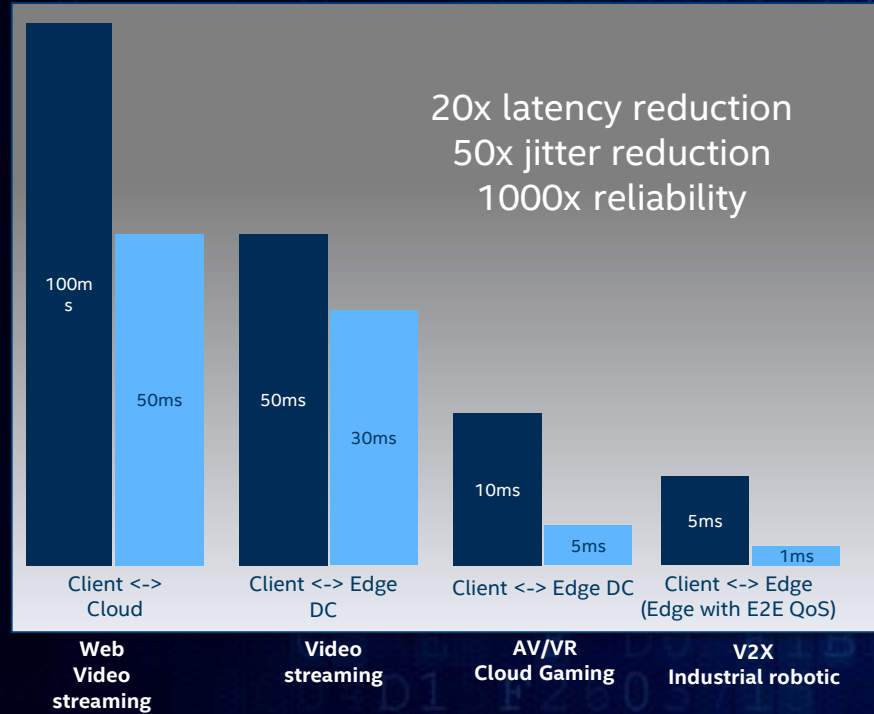


TAKING ANALYSIS TO DATA

1. Gartner – Edge Computing for Infrastructure / Operations Leaders

USE CASES ADOPTING EDGE

Application Deployments Involve Complex Tradeoffs in System Capabilities



Real-time Use Cases Require System Level Solutions



WAREHOUSE & MANUFACTURING



HOSPITALITY & CASINOS



TRANSPORTATION



CONNECTED CAR



RETAIL



SMART CITY



EDGE CLOUD GAMING



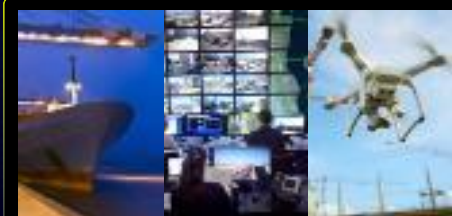
INSPECTION & INFRASTRUCTURE



SMART STADIUMS

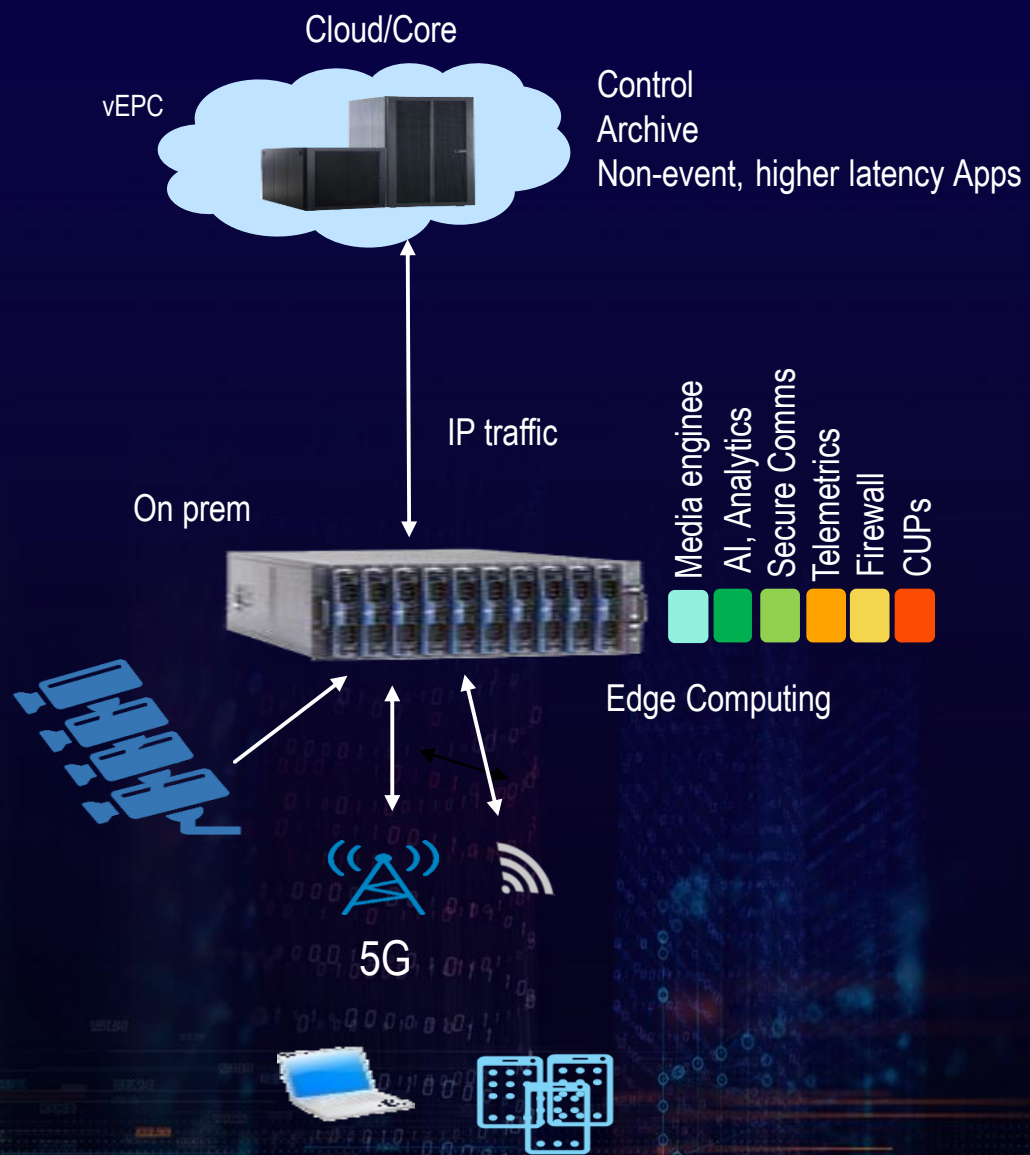


VR/AR WITH LOCATION



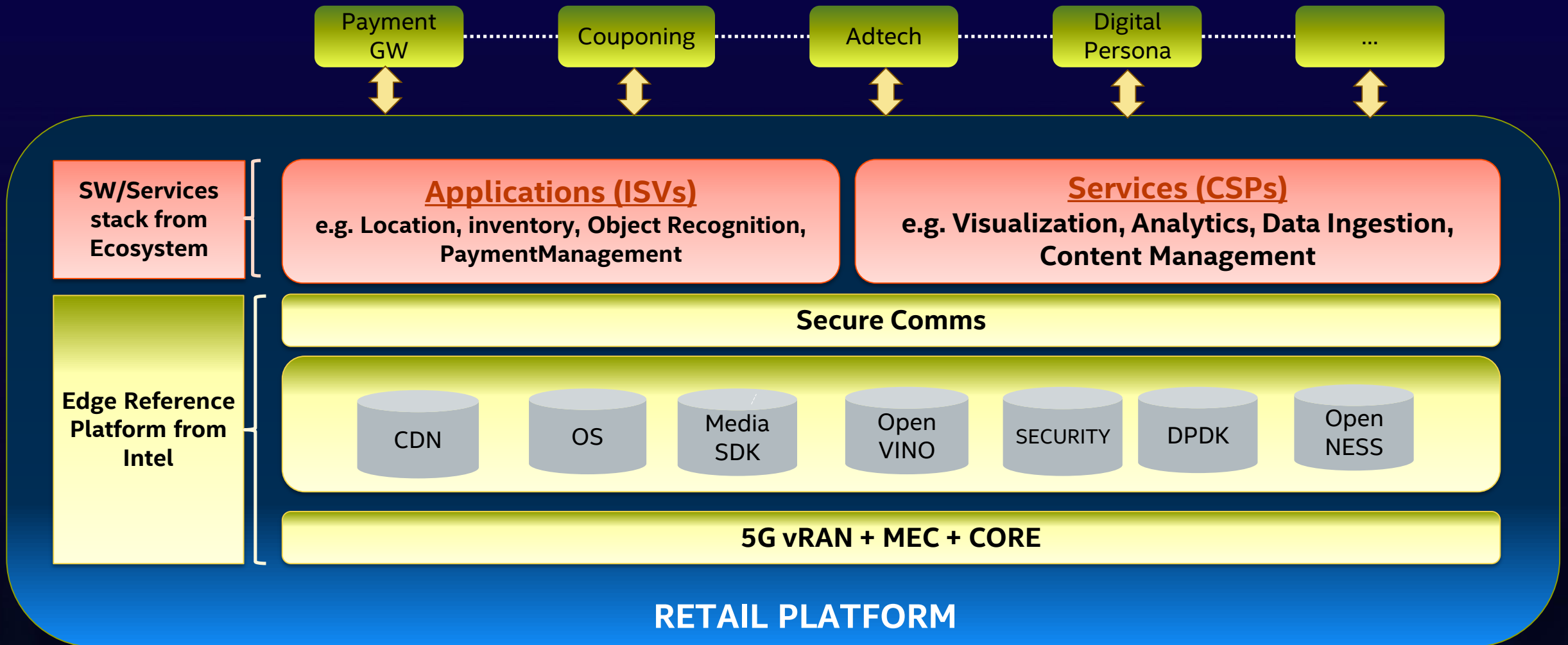
SECURITY, RECOGNITION, SURVEILLANCE

E2E ENHANCED VENUES



Massive Connectivity demanding capacity
Low Glass 2 Glass latency:
Multi-Angle viewing <0.5s (reduce from >8s)
Game Data Acquisition and Analysis
Edge Server reduced latency of live video chat from ~30s to ~0.5s
Private and Public Network requirements
Operational and Entertainment services

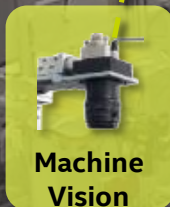
RETAIL DIGITIZATION



CONSOLIDATION OF WORKLOADS FOR NEXT-GEN DIGITAL RETAIL

Industrial Factory Automation

Onsite
Servers



**Next Gen
Base Station +
Edge
BTS Software**

Compute

Accelerators

AI Accelerator

Media Accelerator

5G Core / IP

**Time Sensitive
Access Point**

**Time Sensitive
Endpoint**

5G URLLC

Factory Footage : 46,000 sq. ft.

Image: Audi Hungary factory with FANUC robots

<https://www.youtube.com/watch?v=rbki4HR41-4>

REMOTE EDUCATION

Host Class

Online Class

Teacher in office/home



Client Devices

Host Classroom

Teacher in classroom



Display Device Edge Server

EDGE DEVICE

AI



5G

CLOUD

Receiving Class

Interactive Online Class



Client Devices



Student A



B



C

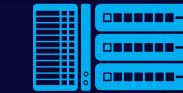


D

Remote Classroom



Display Device



Edge Server



Class A



Class C



Class B



Class D

Online Broadcasting



Display Device



Client Devices



Video-On-Demand : Replay class



Display Device



Client Devices

SUMMARY

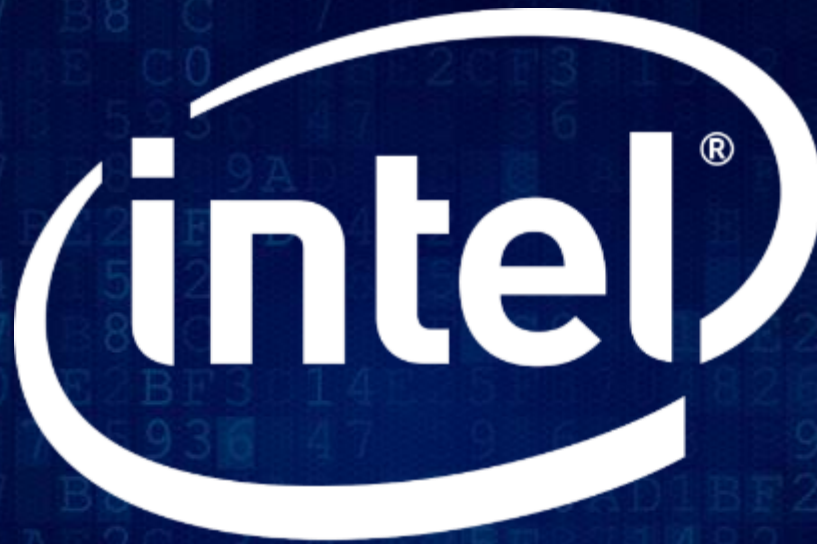
EDGE PROVIDES A SIGNIFICANT OPPORTUNITY

**MORE AND MORE DATA WILL BE CAPTURED, ANALYZED AND MONETIZED
AT THE EDGE VS CLOUD**

5G IS JUST NOT CONNECTIVITY - MUCH BEYOND THAT

**MULTIPLE USE CASES ACROSS THE GLOBE WILL DRIVE THE EDGE AND 5G
TO REALITY**

THANK YOU!



experience
what's inside™