

### IOT - Edge - Data in Digital Transformation













**Things** 

Sensors

Connections

Data

Compute/ Storage

**Analytics** 

Measurable **Business Outcomes** 





















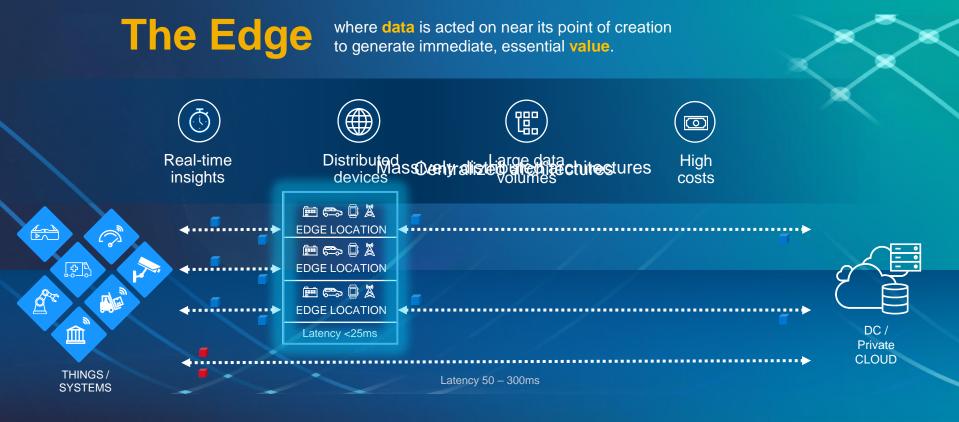








### Find your edge where data lives



## Growing adoption of solutions at the edge

74%

of organizations
plan to increase
their edge spending
over the next two years
with an average
increase of 37%.1

800%

Increase in the number of apps at the Edge by 2024.2



1 IDC Press Release, Edge Solutions Will Continue to Receive Strong Investment Support Over the Next Two Years, According to the IDC EdgeView Survey, April 2022.

2 IDC, "FutureScape: Worldwide IT Industry 2020 Predictions," Oct 2019



### New needs and challenges at the edge









#### **Speed**

Streaming data

**Shrinking time-to-insight** 

Faster growth

New sites

New data types, more data

#### Scale

More use cases

**Massive growth** 

Sites with no IT More data types Explosion of data

### Security

**New attack surfaces** 

Distributed infrastructure

and data

Limited to no physical security

#### Al

Al at the Edge

**Inference Accelerators** 

**Federated AI Learning** 

Powerful Compute

Types of storage

Accelerators GPU

Containerization

**Future Growth** 

More Storage?

**Integrated Systems** 

Manageability

Data Protection

Zero Touch

Ruggedization

**D&LL**Technologies

## Bringing solution builders' innovative ideas to life at the edge

With Dell OEM technology expertise and tailored solutions

20+

years of edge technology experience



**2000**OEM business created from customer demand



#1 OEM Provider Worldwide\*



4000+ Customers



Partners



Industries & verticals



70+
Countries

Ready-to-ship tailored and distinct custom solutions



2000

Off the shelf

Dell standard



De-branded, Re-brand Ready OEM-Ready



Stability, longevity & visibility XL | XE



Industrialized durability Industrialized



Making your ideas a reality

6 Use Cases in 6 Verticals

### **Smart Cities**

- Video Surveillance & Computer Vision at the Edge Predict
- Digital Twin in Smart Buildings for Sustainability
- Autonomous Vehicles and V2X



### Transportation

- Railcar Automated Safety Inspections with AI at the Edge
- 120 : 1 gain in efficiency compared to manual inspections
- 1.3 TB of data processed daily



### Manufacturing

- Data Analytics at the edge
- Reduce "out-of-specs" items in production
- PLC's @ 11 plants

"Processing PLC data at the Edge will enable real time quality monitoring of PLC operation and implement preventive maintenance use cases, which in turn will increase the quality of the products."





- Fast trackside data analysis for car performance
- 300 sensors in an F1 car
- 100,000 data points per second
- Upgrade key applications in 2 days instead of 2 weeks



### Retail

- Al-driven Computer Vision
- Loss prevention, Customer Experience, Frictionless stores
- Store Analytics, in-store digital signage
- Modern Application Strategy





### Healthcare

- Al-driven Computer Vision for measurement of adherence to the prescribed protocol for hand washing.
- Hand hygiene Compliance and Training
- Applicable to schools, pharma, Food services and hospitality











# Get Started on *your* Edge Journey

DellTechnologies.com/Edge



## Have a **D** Lightful Day!