



# CPE as a marketplace: Review of key edge cloud business use-cases

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# Legal Disclaimer

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**!** *Any information contained in this presentation regarding third parties has been obtained from publicly available sources.*

# The Landscape

## Edge Systems

### Flexible Networks

Network-as-a-Service (NaaS)  
Service chaining



### Edge Computing



### Verticals



## Cloud Systems

### Public Cloud Computing



### Data Centers & Corporate Clouds

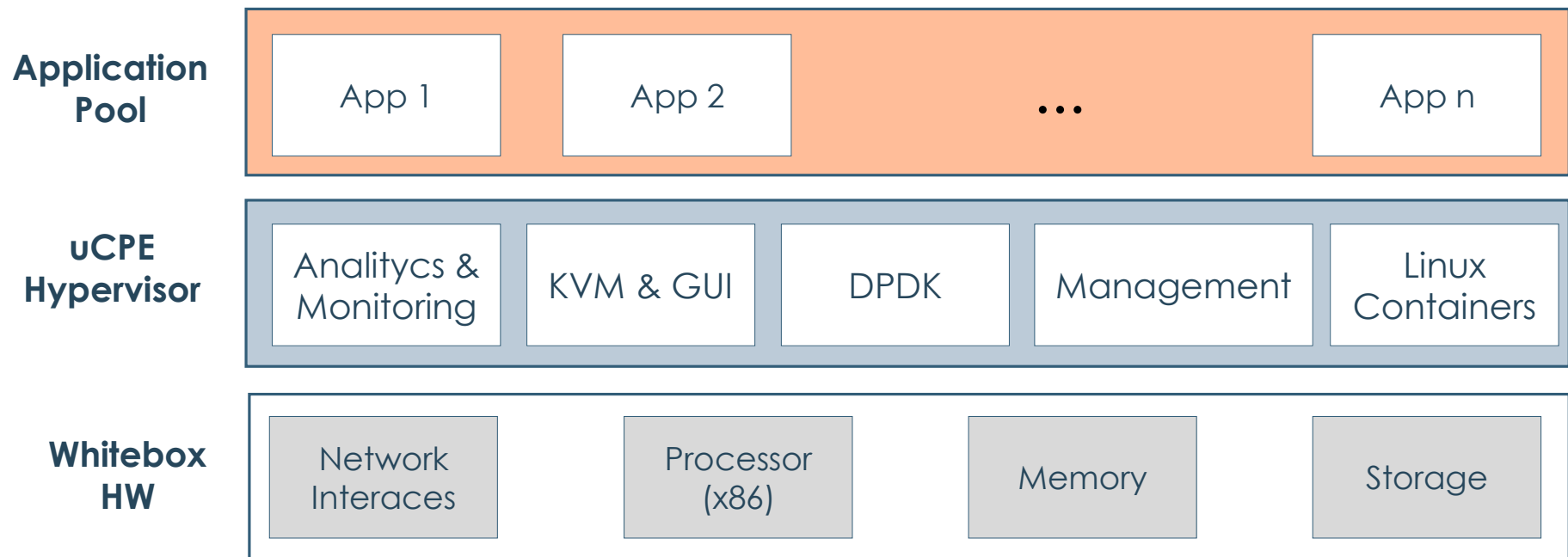


# What is an uCPE?

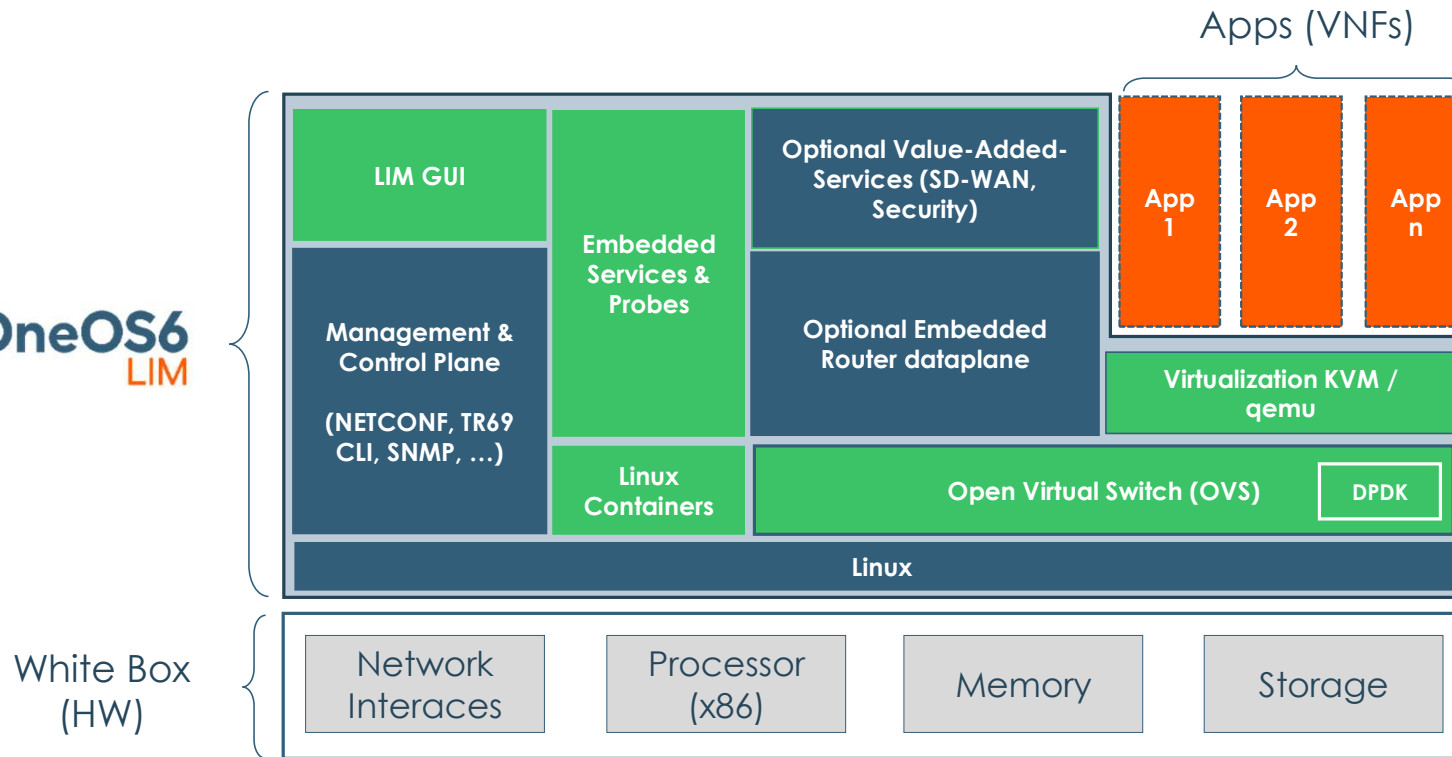
It is device at the customer premises (CPE) but not a Blackbox

It should be:

- hardware-agnostic
- application-agnostic



# uCPE Middleware (Hypervisor)



- LIM specific components
- Baseline OneOS components

# What is an App?



## Format

1 or more container(s)\*

or

A Virtual Machine\*\*



## Source

Own App

or

App from 3<sup>rd</sup> party

or

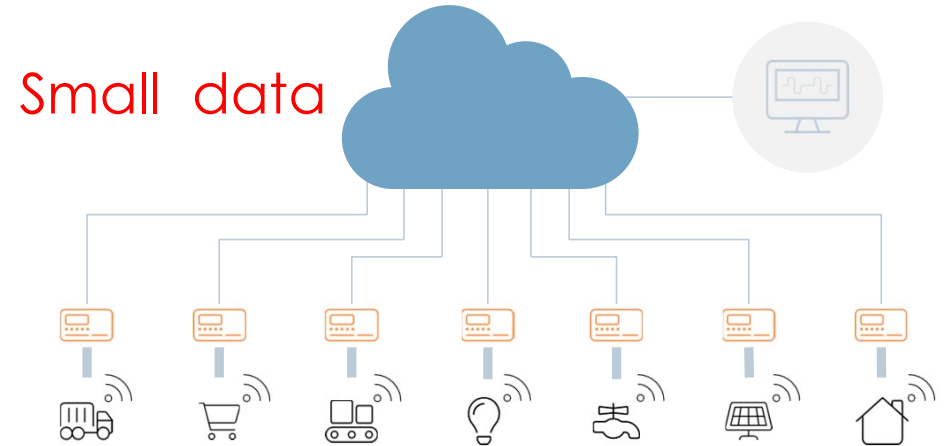
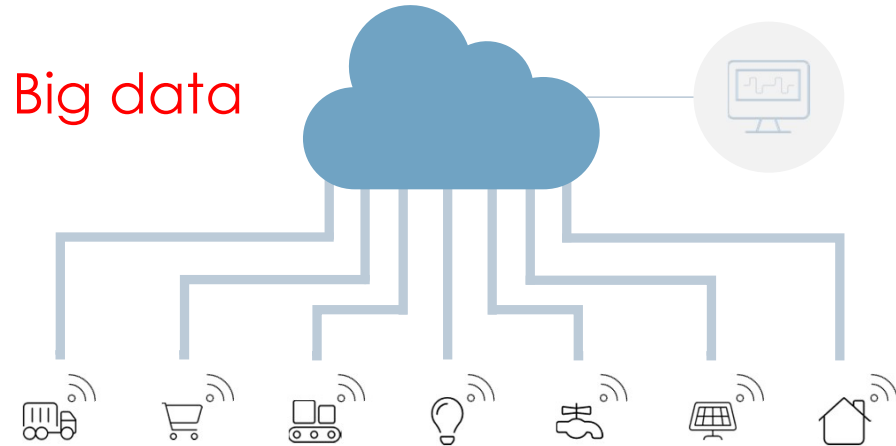
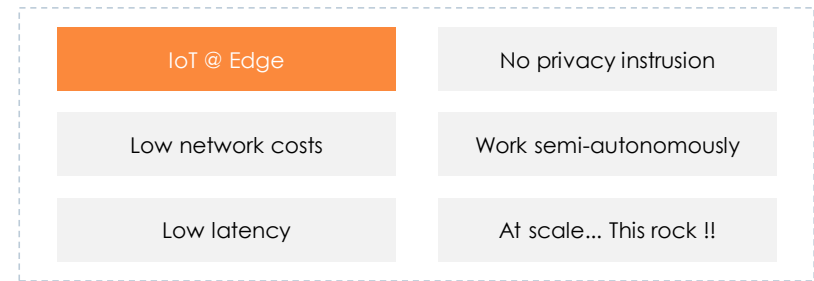
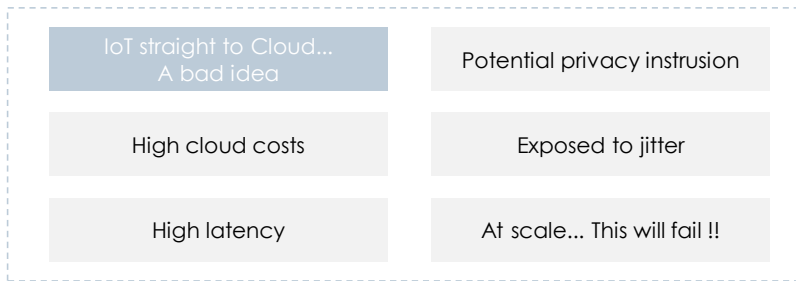
App Vendor



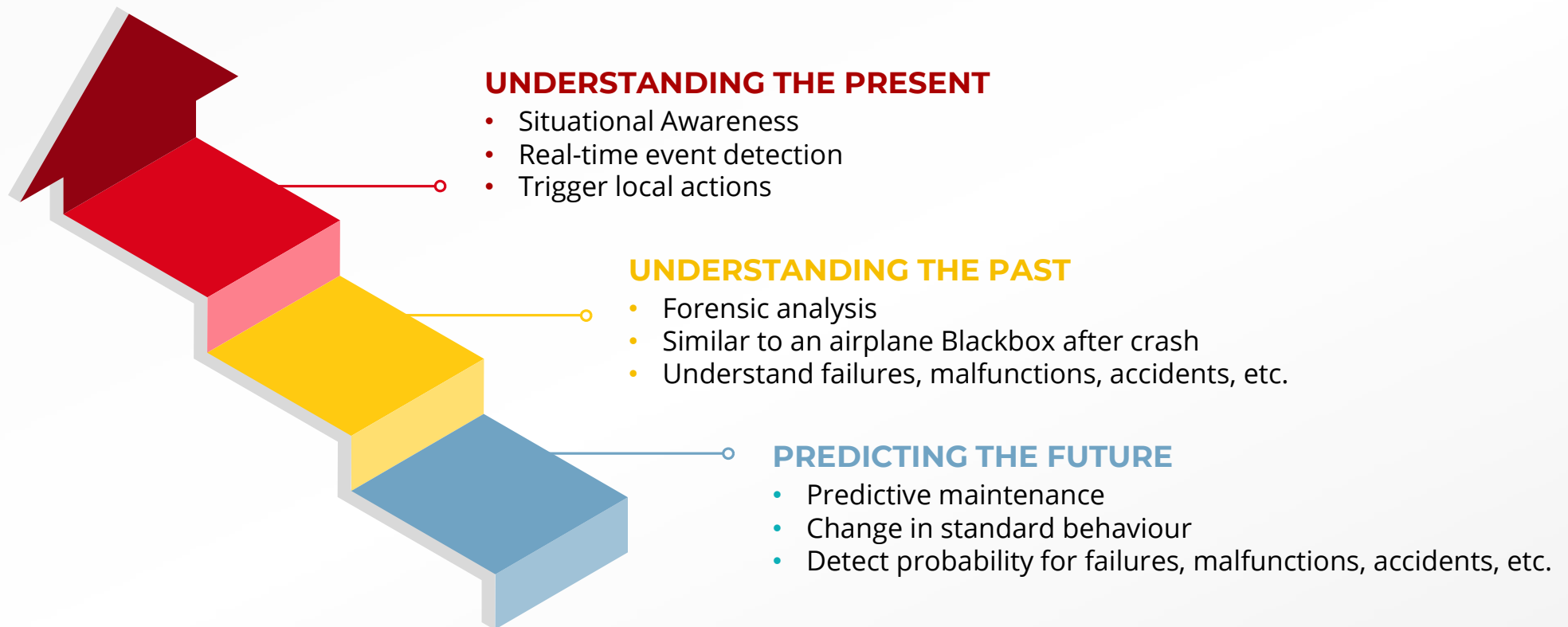
\**Docker, Docker Swarm or Kubernetes*

\*\**Running inside a container*

# Why is the Edge the solution?



# Common Edge computing drives





# Common Edge Insights, Powered by AI



DETECT DEFECTS



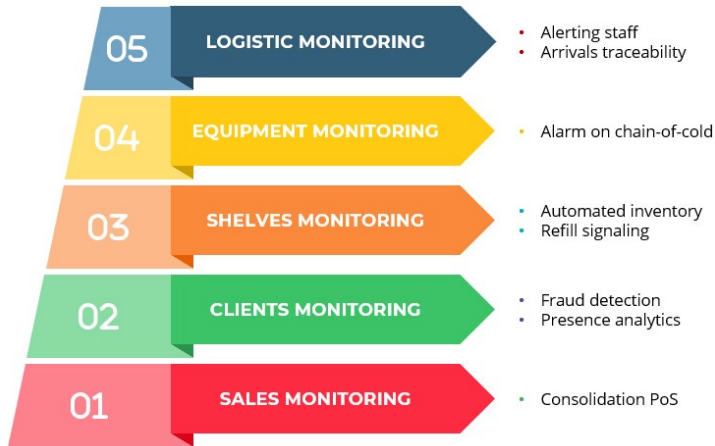
PROTECT PASSENGERS



DETECT LOW PRODUCTS

# Needs in Verticals

## Retail



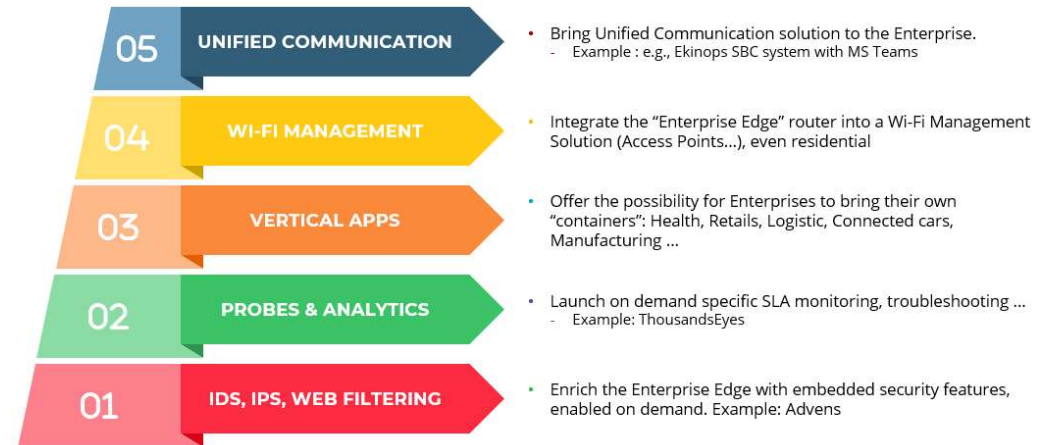
## Manufacturing



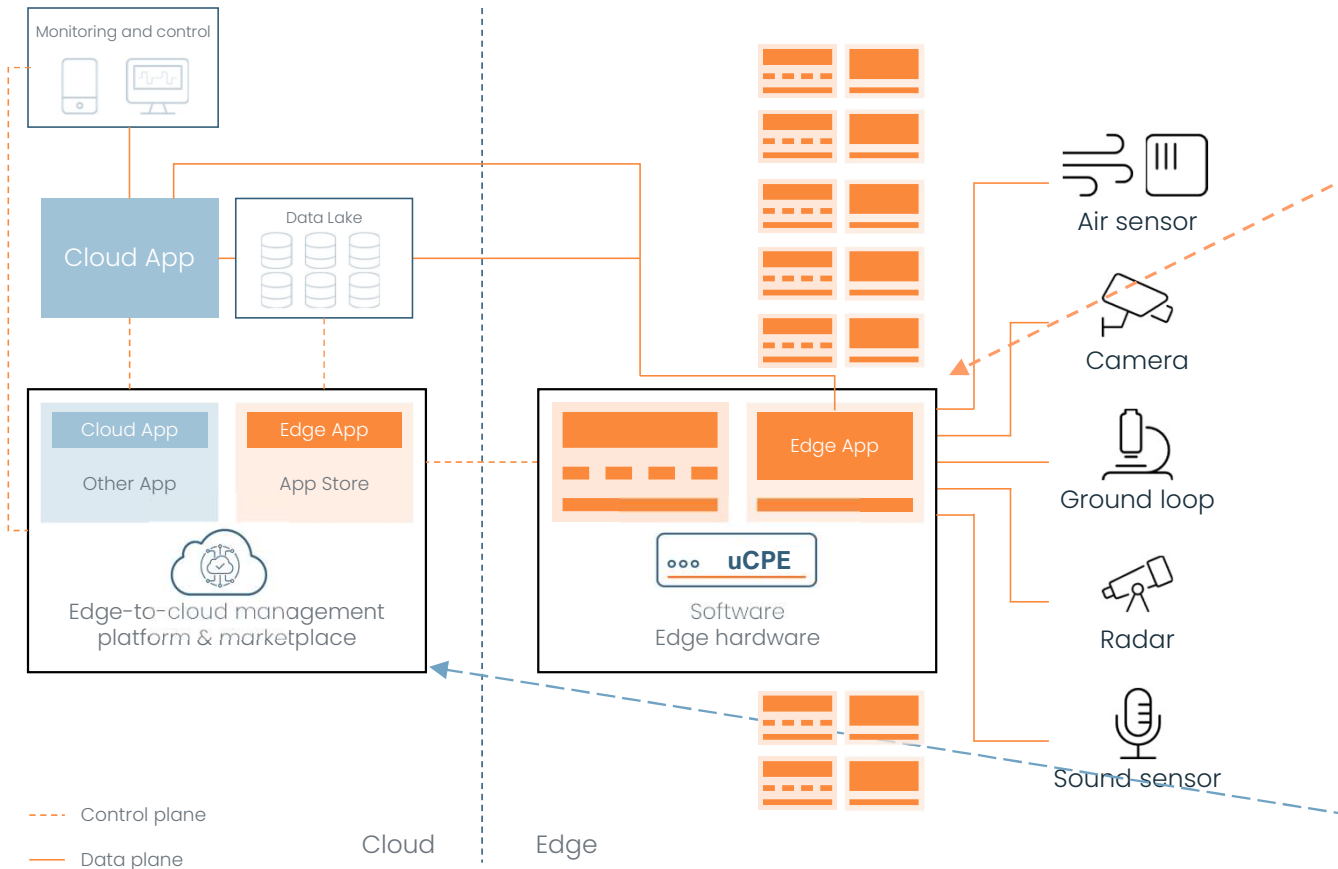
## Transport



## Telecom



# Our Architecture Example



## Any hardware

### Hardware agnostic software:

- Turns any computer into a smart edge device
- Hardware agnostic
- Connects securely to the uCPE hosted VNF for control

**NuvlaEdge**

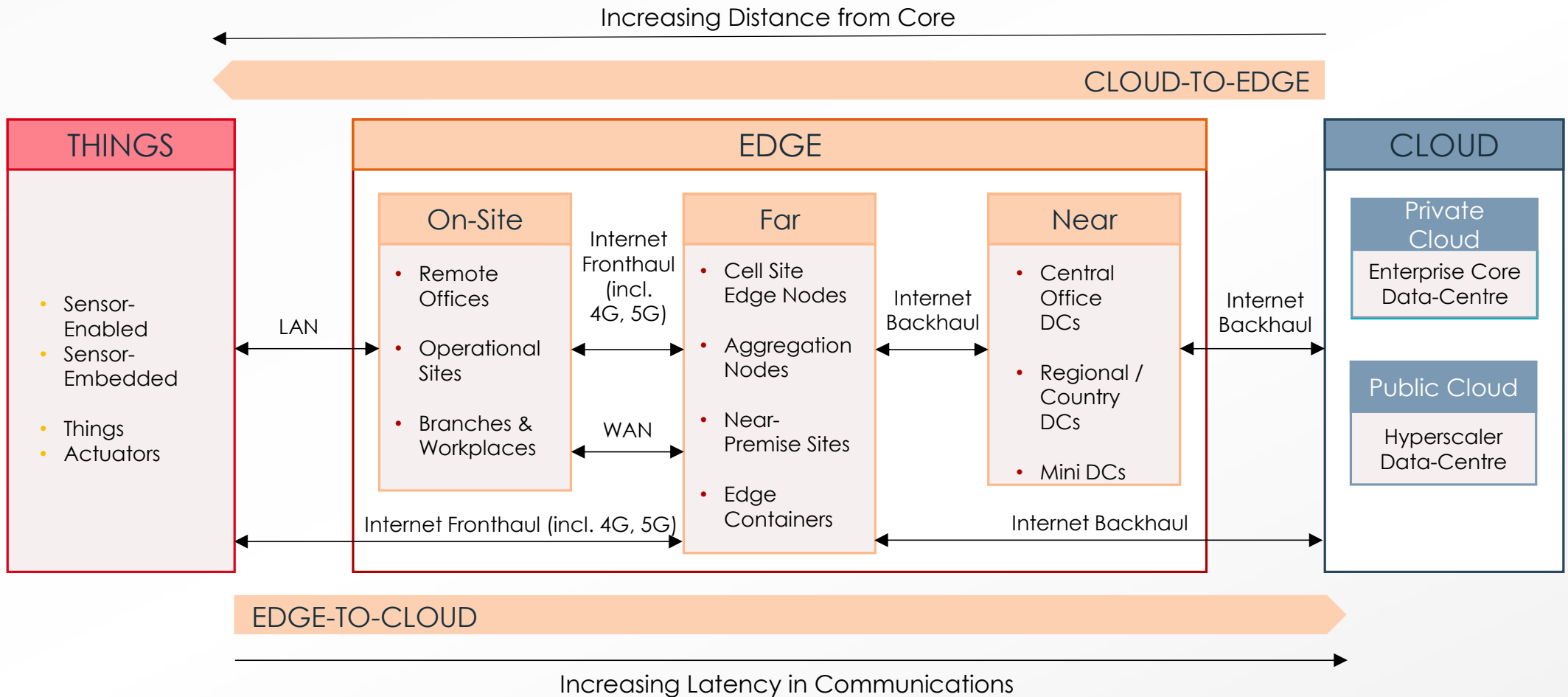
## SaaS B2B platform

### Open Cloud platform:

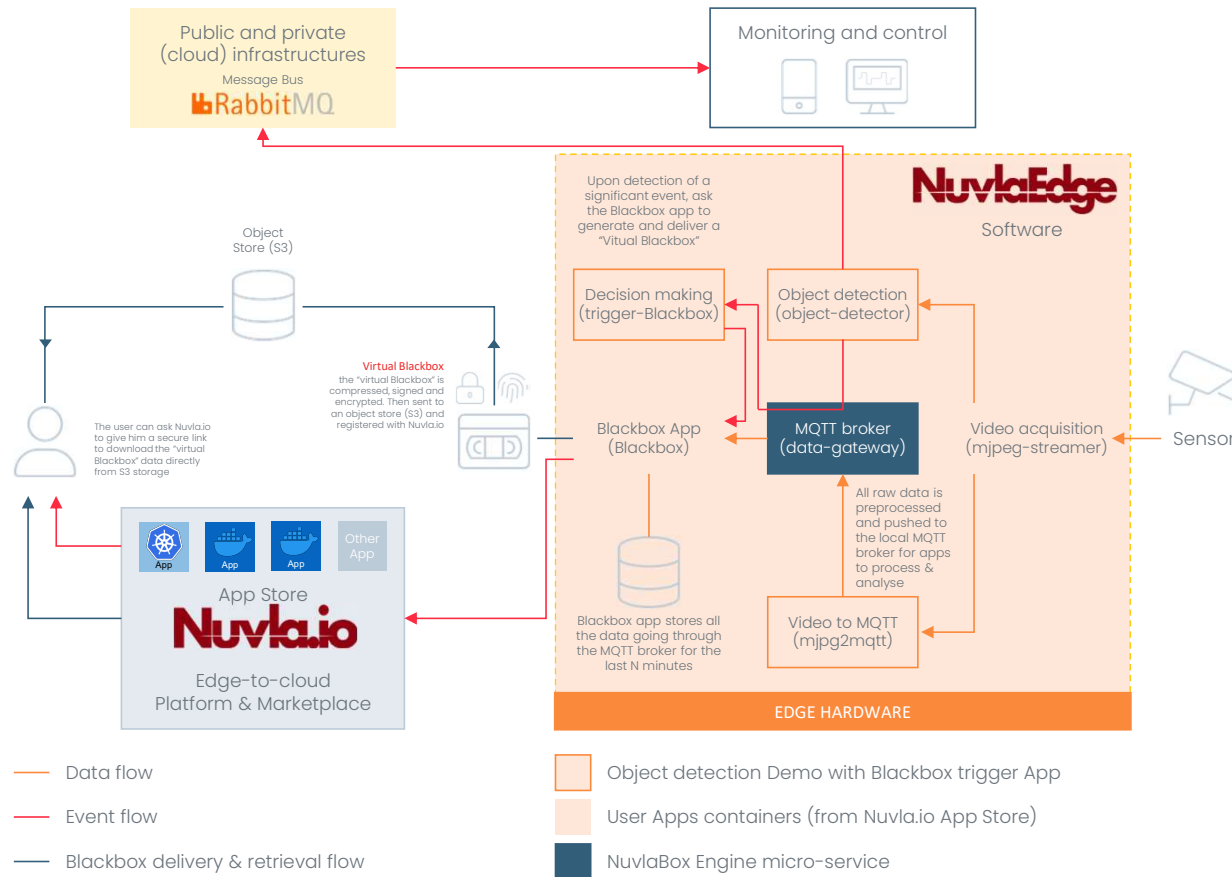
- Application centric
- Cloud neutral
- Container native
- Open, secure & agile

**Nuvla.io**

# The Cloud-to-Thing Continuum



# Anatomy of an Edge App





# Thank you

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