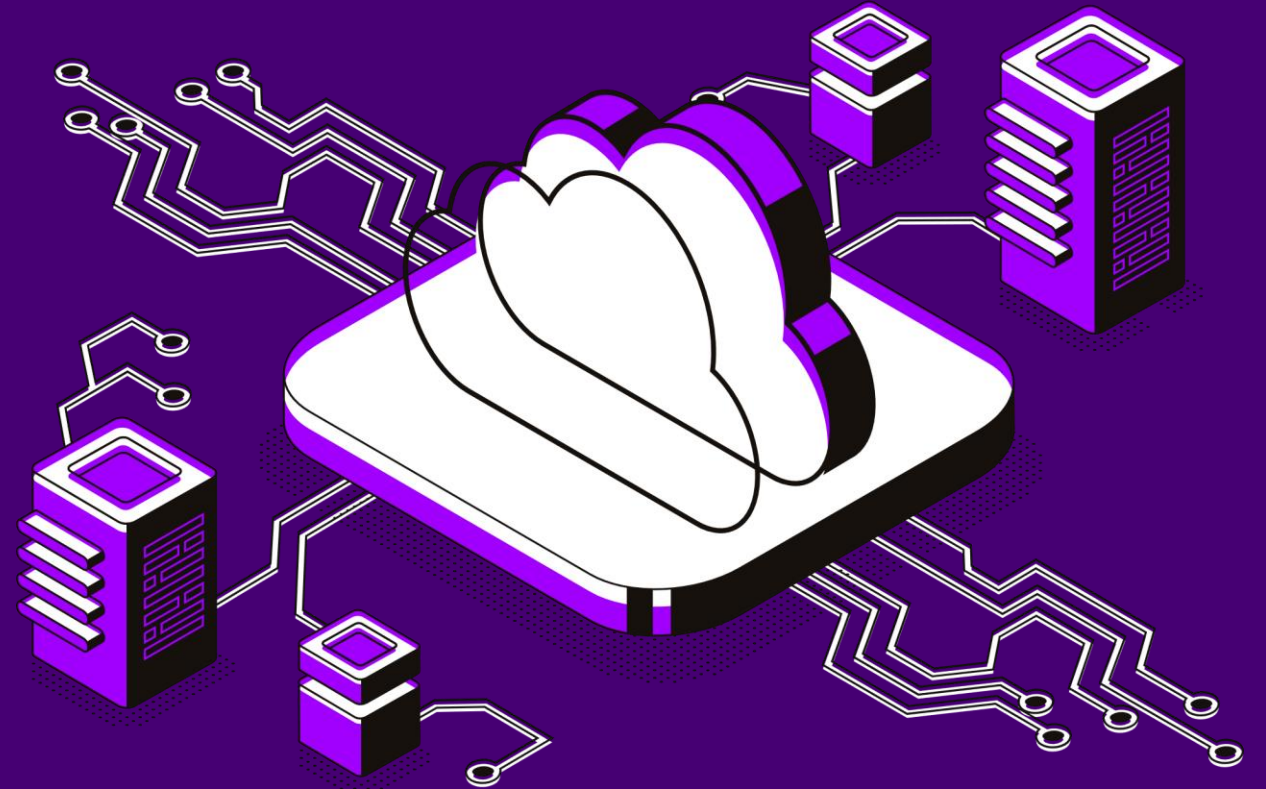




# ACCENTURE 5G on the Edge



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Cloud First – Intelligent Edge



# Typical challenges on IoT solution which can be solved by 5G and Edge computing



Many companies are already using IoT and have huge amount of data collected from multiple sources on the field, but companies have failed on realizing the data value



It's not trivial to provide data access to every employee, so that the data is easily accessible from one location and can be used on everyday work and decision making

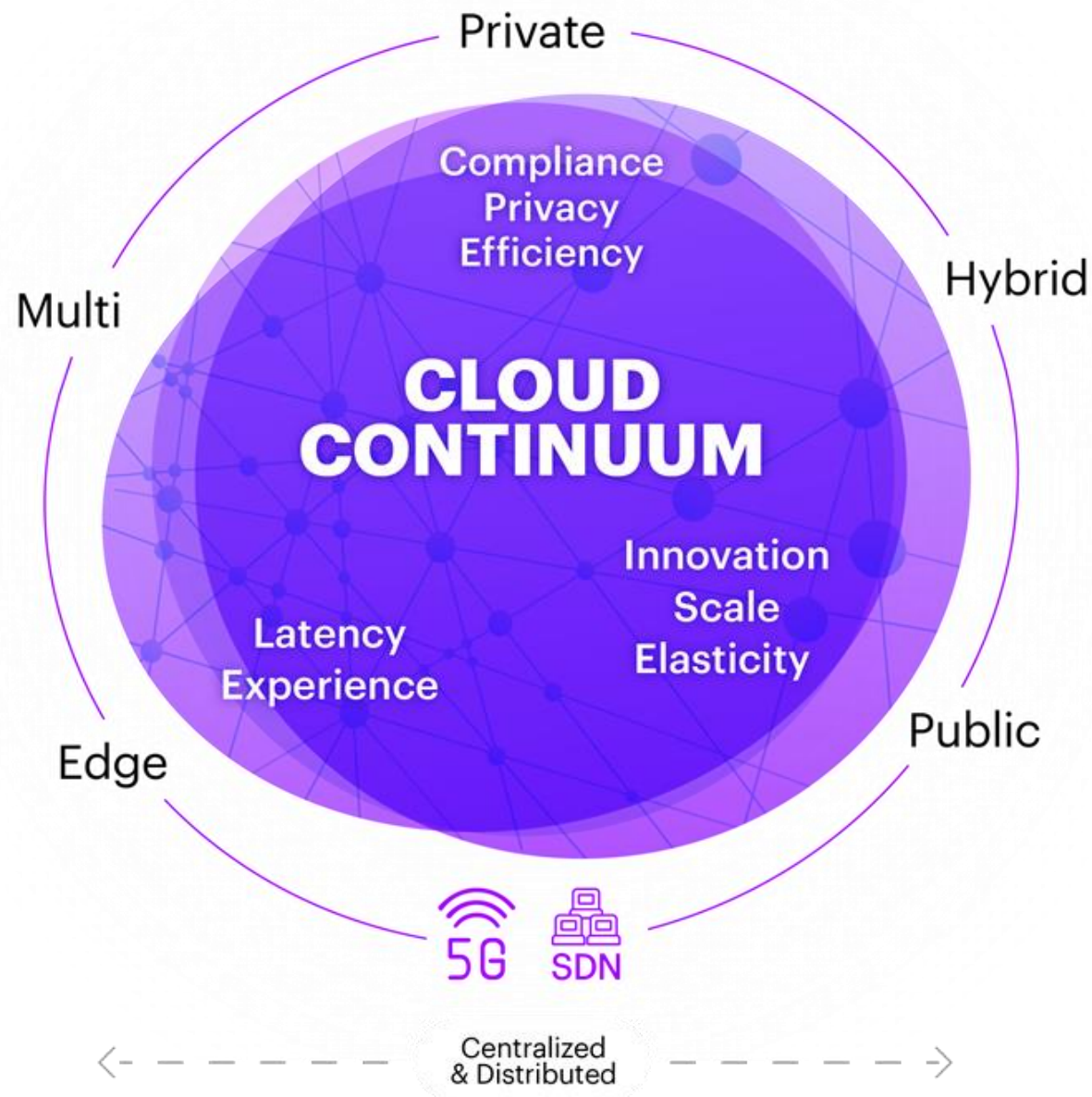


The working environment can be scattered and combination of old and new. Scaling traditional IoT solutions can be challenging, and many companies get stuck on point solutions failing to realize the value of scale



Companies struggle to find the right deployment pattern that allow adaptive solution topologies, end-to-end management in global scale, and easy device onboarding without deep technical expertise

Innovations that used to be exclusively in the public cloud can now be found in multiple locations — that span from public to edge — and everything in between.



# Edge, where 5G, Cloud and Enterprises meet

The application of Edge computing has expanded far more than IoT and will create new insights, decision and experiences, enabled by the cloud backbone across various industries



## Intelligent machines & real-time productivity

Process data incredibly fast to enable robots and sensors to make split second decisions and perform tasks smarter, **faster and safer**

Opportunity Areas

1. Loss Prevention
2. Smart Signage
3. Assembly Line Quality Assurance



## Optimized close to consumption

Digital production-consumption will be optimized for highest experience and **lowest cost**

1. Content Delivery
2. Healthcare imaging or DNA sequencing
3. Offshore Oil Well



## Experience with extended reality

Digital twins, healthcare, workforce, entertainment enabled thru **rich experiences**

1. Smart Health
2. Mixed Reality Gaming
3. Intelligent Workforce



## Privacy & security by default

Improve reliability and **protect privacy** by processing sensitive data on the Edge

1. Wearable Devices
2. Ethical and Trusted Customer Analytics
3. Regulated Data



## Always on and untethered

Decision making and processing **independent of connectivity** for mission critical and remote applications

1. Point of Sale
2. Autonomous Operations
3. 24/7 mission critical services

# All ecosystem players acknowledge the need for industry edge solutions, but the approach to get there is different

## Use cases



**Retail buying experience**



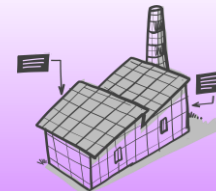
**Autonomous vehicles**



**Smart health**



**Ethical & trusted customer analytics**



**Smart factory**



**Asset tracking**



**Worker safety solutions**

### Industrial Systems

Hybrid cloud infra solutions getting extended to the edge to realize vertical use cases



Accenture  
Edge Industry  
Solutions

### Platform

MAAGs are building cloud-out to the edge extending their platform models which developers are already familiar with



### Connectivity

CSPs are building 5G with edge infrastructure



# Helsinki edge innovation lab – showcase for vertical use cases

Accenture is setting up a **5G Edge innovation lab** to demonstrate and innovate Edge use cases together with the partners and customers.



Lab will consist of two separate Edge environments, a **far-edge solution** which is located to Accenture lab and a **carrier edge solution** which is located to telecom operator data center. Both are connected to public cloud platform where the applications can be remotely deployed, monitored and configured.

**Each customer have different requirements** and understanding these requirements is a pre-requisite to build the best possible solution for the specific customer. Accenture Edge lab provides an easy and flexible environment to demonstrate the solution on the different Edge locations from far-edge to public cloud and anything between.