

# Why Edge Computing really can give you the edge

In today's fast moving world every business is a digital business. With the expansion of the IoT, exponential growth in devices, real time applications, the need for flexibility, viability and security Edge Computing really can provide the edge.

**80bn**  
Connected objects  
IDATE, 2020

## Cloud computing evolved

Edge Computing is a new stage in the evolution of cloud computing. It consists in shifting remote data storage and processing from distant servers to the edge of the network. Thus, the data no longer systematically pass through the "cloud", but are processed locally, close to the people or machines that produce and/or consume them.

**\$1.1trn**

Projected IoT spending worldwide by 2023

Statista Jun 15, 2020

## It's big!

Already there are somewhere between 30 billion (Gartner) and 80 billion (IDATE) connected objects and it will only increase.

**\$43.4bn**

Global edge computing market by 2027

Grand View Research March, 2020



**37.4%**

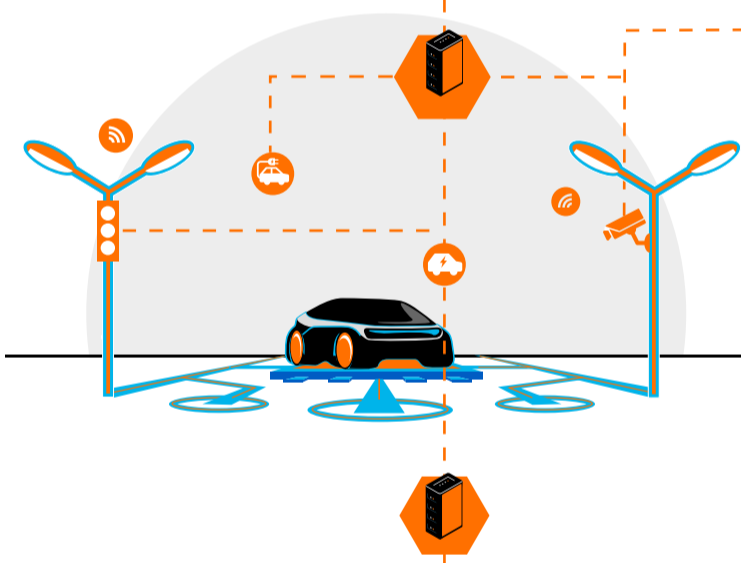
Compound annual growth rate

Grand View Research March, 2020

# 5G

**X10 faster**  
mobile internet for real-time applications

Statista Jun 15, 2020



**60%**

Internet users as % of global population

DataReportal October 2020

## The benefits of Edge

The emergence of Edge Computing is closely linked to the deployment of 5G. Providing ten times faster mobile internet with a latency of around a millisecond as well as more bandwidth. It also brings with it a host of other benefits including:



**Latency reduction** for services requiring real-time processing, such as autonomous vehicles.



**Security** of sensitive data (in particular in healthcare and industry) leading to...

**Increased compliance** with regulatory requirements thanks to the processing, storage, and suppression of personal data as close to the source as possible.



**Bandwidth optimisation (B/W)** for the analysis of large volumes of data, such as the video stream of a surveillance camera.



**Machine learning** application services that leverage local data for business models and processes linked to production, supply chain and product enhancement which leads to performance improvement.

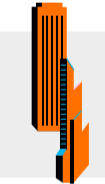
**Cost reduction** by only sending the most valuable data to the application workloads into the Cloud from the Edge.



**Sustainability** through increased self-sufficiency of connected objects thanks to frugal management of their resources.



**Continued local activity** despite any potential problems connecting to the central cloud.



**Universal customer premise equipment (UCPE)** makes it possible to run video processing, artificial intelligence or IoT applications locally.



**NFV** to improve agility, deploying and chaining network and security services in software, on top of a common hardware.

## Orange Business Services at the forefront of driving Edge Computing access for all businesses

Orange Business Services recently joined forces with Dell Technologies and Ekinops to offer a universal customer premise equipment (uCPE) solution to accelerate Edge networks transformation.

**2,400**

Data and AI/ML experts

Enterprises can install VNFs remotely to a uCPE deployed at any site. A single box can run multiple network functions, such as routers, SD-WAN, firewalls and WAN optimization, allowing customers to provision new sites and services much more quickly.

The solution will also help enterprises move toward Edge computing, with use cases such as video, AI or IoT running locally on the uCPE. Carrying out data processing at the Edge will help them improve application performance and assure data privacy.

**2,500**

Cloud experts

**DELL** Technologies **EKINOPS**

**700**

Developers, analysts, systems architects, digital and IoT experts

**orange** Business Services

