

Industry Overview

Telecommunication companies are facing increasing demands for faster, more secure, and highly efficient services. In addition, market requests are shifting beyond network services and connectivity, focusing on internet-based communication platforms. This transition is intensified by the growing influence of hyperscale technology giants offering a range of services including cloud computing, data storage, and digital platforms.

With the advent of edge computing, telcos have a unique opportunity to enhance their offerings, providing innovative solutions to enlarge their own service offering, and add new services to various industries. Telcos can take advantage of edge computing to generate additional recurring revenue, leveraging both their wired and mobile networks.

Nuvla.io is SixSq's ecosystem that revolutionises the implementation of edge computing for Telcos. It is safe, easy-to-use, application-centric, hardware-agnostic, cloud-neutral and container-native.

Edge Computing in Telco

Service quality and insights:

Through the power of edge computing, telcos can introduce cutting-edge monitoring solutions that offer real-time insights into network performance. This enables proactive maintenance and rapid issue resolution, ensuring high quality and security.

Security and threats management:

Edge-based cybersecurity mechanisms can identify and mitigate potential security threats, thereby ensuring the integrity of data. The minimised latency achieved through edge computing significantly optimises service delivery, resulting in elevated user experiences.

Telcos' customers:

Now customers can benefit from business apps running "in the network" even on their own premises. Delivered by their trusted telco provider, customers don't have to involve new software providers, since apps can be delivered via a simple and effective marketplace.

Containerised applications:

Another challenge involves identifying efficient solutions for managing and scaling containerised applications. Edge computing provides as a powerful solution, addressing the complexity of handling these apps while reducing operational and resource demands.

Nuvla.io in Telco

The implementation of edge computing through Nuvla.io can help you to:

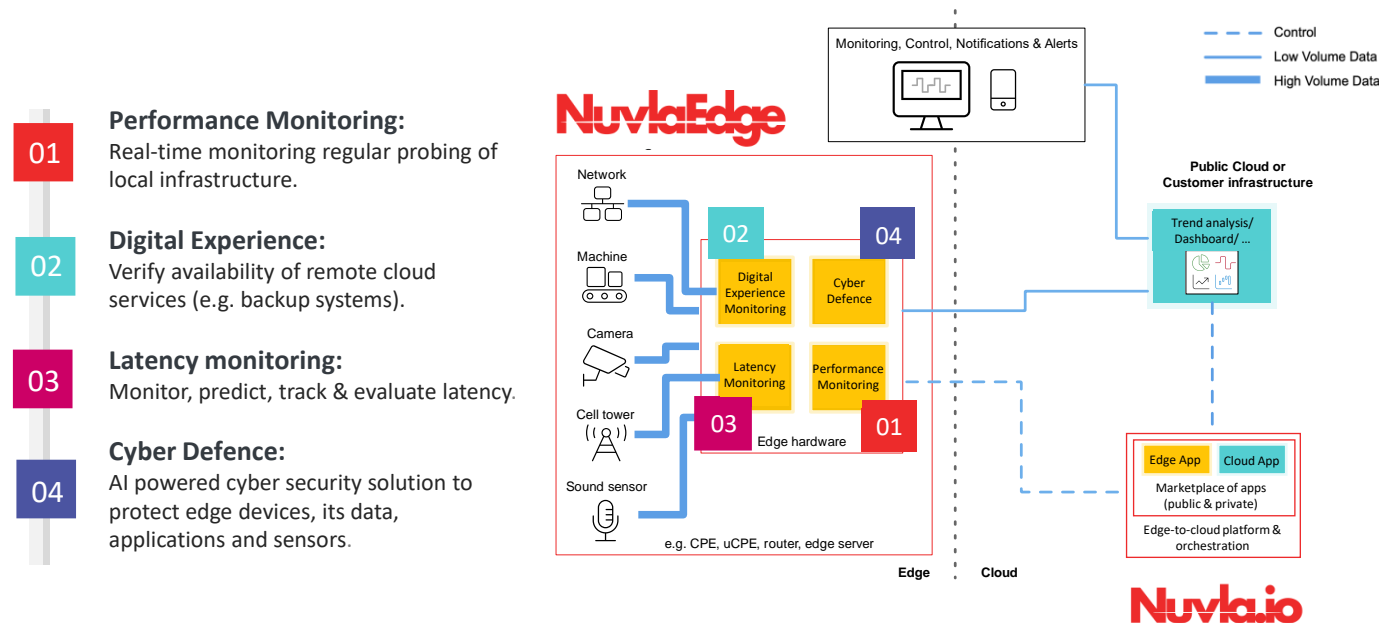


and more...

How can Nuvla.io support Telcos

Edge computing practices normally require technical knowledge, training, and specialised personnel able to understand and run a complex, digital ecosystem. Nuvla.io takes this complexity away, keeping you focused on your business.

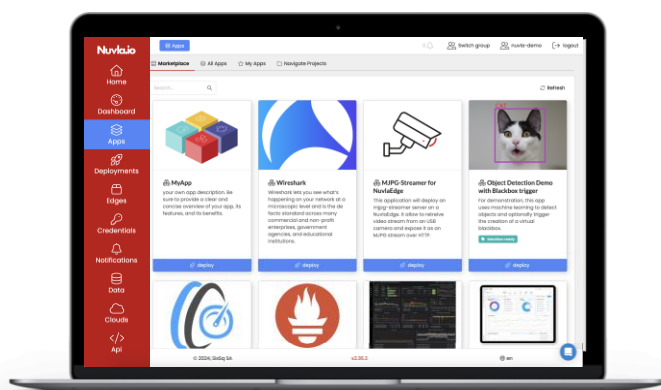
Nuvla.io provides a diversified suite of applications in a unique edge-first marketplace to enable your business at the edge. We operate to avoid vendor lock-ins and provide a simple interface and enjoyable user experience which allows anyone to operate otherwise complex edge computing systems.



NuvlaEdge is SixSq's software that enables hardware to become smart edge devices, securely and remotely managed from Nuvla.io. NuvlaEdge runs on most Linux-based operating systems with support for Docker and Kubernetes.

A Bouquet of Solutions

- ✓ **Cutting edge computer vision, analytics, reporting, dashboarding and insights:** You get a modular solution, with no lock-in, taking advantage of an open eco-system.
- ✓ **Reuse existing hardware to reduce costs and carbon emissions:** You can deploy on a wide range of existing and new hardware, including cameras and sensors.
- ✓ **Acceptable by workers and unions yet improving health and safety:** You get a solution designed to be respectful of the privacy sphere of workers and the public.
- ✓ **Easily scales on wide range of sites:** You get an open, low network dependent solution, based on standards.



Nuvla.io offers a variety of existing ready-to-use apps that serve your specific needs. To learn more, visit our [catalogue](#).

You have total freedom to combine other apps, create your own, or register applications of your choice to the Nuvla.io ecosystem. This gives you huge flexibility to enable you to reach your telecommunication goals.

Unleash the power of Edge Computing with Nuvla.io