



SaT5G Consortium 5G Demo

MILESTONE NETWORK DEMONSTRATION SHOWCASES SATELLITE AND TERRESTRIAL 5G INTEGRATION CAPABILITIES

The Demo

VT iDirect and members of the SaT5G consortium have partnered to demonstrate a major milestone in the research, development and validation of key principles for satellite integration with 5G architecture. iDirect with SES, Broadpeak, i2CAT and the University of Surrey, will demonstrate key benefits of satellite integration with an SDN / NFV / MEC-enabled pre-5G construction testbed, with an in-orbit geostationary satellite system as a proof-of-concept for integration of those features into a full 5G network.

By the end of the multi-year project, the SaT5G consortium aims to show the below use cases:

- Edge delivery & offload for multimedia content and NFV software to optimize the operation and dimensioning of the 5G network infrastructure;
- 5G Fixed backhaul to provide 5G service especially in rural areas or emerging markets;
- 5G Small Cell backhaul to provide 5G service with Small cells into buildings in rural areas of developed countries via hybrid broadband connections;
- 5G Mobile backhaul to support 5G service on board vessels, aircrafts and trains;
- Research and demonstrate the integration of Satellite communications in to 3GPP 5G network architecture and the adoption of SDN and NFV principles.

"VT iDirect and its SaT5G team members are fundamentally changing how satellite is deployed in order to match 5G infrastructure. It's extremely validating to see the tremendous work our team has done to hit this first milestone."

Aneesh Dalvi
VP of Strategic Initiatives,
VT iDirect

THE SaT5G CONSORTIUM

The SaT5G consortium is funded by the European Commission and brings together industry leaders across the ecosystem to promote the cost-effective "plug and play" integration of satellite technology into 5G networks.

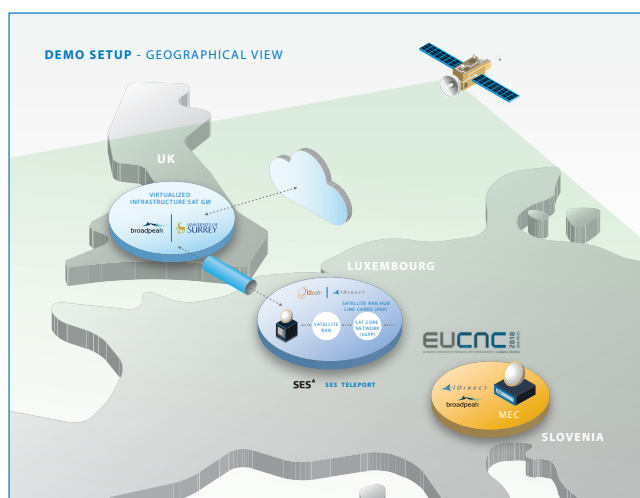
Satellite will be crucial to 5G networks to ensure security, bring ubiquitous connectivity and mobility, and to increase broadcast capabilities. Developing an integrated network is especially important for telcos to support the rapidly accelerating demand for bandwidth around the world for consumer and enterprise applications.

iDirect and its SaT5G team members are fundamentally changing how satellite is deployed in order to match 5G infrastructure. This demo will achieve the first of a number of goals SaT5G has developed in order to reach full seamless integration with 5G over the next few years.

For more information please visit sat5g-project.eu/



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761413.



This first of its kind demo will showcase live Over-The-Air tests to attendees of the EuCNC conference to demonstrate a successful satellite integration into a 3GPP network architecture. Specifically, the demonstration presents the integration of an SDN, NFV and MEC-enabled pre-5G construction testbed, with an in-orbit geostationary satellite system. The demonstration will also showcase satellite backhauling features and efficient edge delivery of multimedia content in pre-5G networks.

For more milestones and demo results visit the website www.sat5g-project.eu/