



Socio-economic impact assessment of the ARTES 4.0 programme

Case study portfolio

European Space Agency

13th December 2024

Kratos Norway ARTES Core Competitiveness



Norway leads the way with first-of-its-kind fully software defined hub for SatCom ground systems

- Providing a foundation for new satcom ground system services with increased flexibility over static hardware




LEVERAGING ESA'S SUPPORT

- €750K project 100% funded by ESA
- Accelerated the development of core technology to be a market leader
- Enhancing quality through technical expertise
- ESA credibility and attendance at ESA's Space2Connect conference facilitates reputation in the sector
- Unlocked future ESA opportunities to test the development of future products



"This technology is critical to unlocking the promise of today's space innovations and delivering the always-on connectivity that customers want."

COMMERCIAL SUCCESS & GROWTH

- Demonstrated the virtualisation hub successfully 
- Provided core technology for Kratos' now widely adopted OpenSpace Platform
- Greater commercialisation through flexible business models 
- Working with dominant satellite operators and large cloud operators 

REVOLUTIONISING SATCOM

- Laying the groundwork for SatCom to become part of standard 5G delivery
- Overcomes the need for custom hardware, replicating specific hardware functionality using software for flexibility
- Simplification and automation of operations using generic digitisers and computing hardware
- Virtualisation of the ground segment enabling future satcom infrastructure

TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



