



Socio-economic impact assessment of the ARTES 4.0 programme

Case study portfolio

European Space Agency

13th December 2024

CRETIAS ARTES Secure Satcom for Safety & Security (4S)

Enhancing data security of communications in Greek emergency services

- Compact reconfigurable antenna terminals for rapidly establishing secure connectivity in a crisis



LEVERAGING ESA'S SUPPORT

- ESA support enhanced the project's credibility and accelerated progress, facilitating a quicker route to the customer
- Precursor ARTES C&G project covering Definition and Technology phase of antenna development, enabled CRETIAS success
- Engagement with ESA personnel with technological and market expertise
- Up to 78% funding provided through Product and Demonstration phases



FOLLOW-ON OPPORTUNITIES

Collaborating with Greek government 



ARTES to support electronically steerable antenna project

Commercial roadmap established 



Funding for terminals expected 2025

EXPANDING EUROPEAN CAPABILITIES & COLLABORATION

- Developed using Greek know-how, Greek subcontractors, and Greek engineers
- Provided a solution for Greek emergency services to respond to crises and establish communication quickly
- Encouraging the development of a resilient sovereign capability that has societal impact

TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



