



# Socio-economic impact assessment of the ARTES 4.0 programme

## Case study portfolio

European Space Agency

13th December 2024



# SpainSat NG + Pacis 3 ARTES Partnership Project



Future governmental communications secured through Spanish advanced antenna technology

- Reconfigurable X-band active antennas, and deployable, steerable Ka-band antennas for secure communications



## LEVERAGING ESA'S SUPPORT

- ~ €60M ESA funding
- The Partnership Project enables collaborative development of innovative space systems, combining technical advice and shared risk management to drive forward advanced space technologies
- ESA's support accelerated the testing process
- Removal of risks for project partners, enabling them to respond to market needs

*"The Pacis 3 project has demonstrated a true partnership between ESA, Spanish industry and the Spanish Space Agency, coming together to deliver technological advancements that Spain and Europe can be proud of"*

## COMMERCIAL SUCCESS & GROWTH

Launch SpainSat I by January 2025, SpainSat II 2025



All capacity sold before launch

>1000 FTEs supported over 5 years



In orbit demonstrations expected 2025

## EXPANDING EUROPEAN CAPABILITIES & COLLABORATION

- Fostered collaboration within a large consortium of companies led by Airbus and Thales (Spain & France)
- Enhances secure communications for European governmental users, such as the Spanish Government
- Fully flexible X-band payloads that incorporate state-of-the-art technologies position Spain as a global leader in the satellite communication market



TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



→ THE EUROPEAN SPACE AGENCY





