



Socio-economic impact assessment of the ARTES 4.0 programme

Case study portfolio

European Space Agency

13th December 2024

MRC-SAT ARTES Core Competitiveness

Enhancing Belgium's Leadership in Satellite Communications: Meeting Evolving Market Demands

- Real-time satellite capacity allocation offers flexibility and scalability for Network Operators



LEVERAGING ESA'S SUPPORT

- Consulted with technical experts at ESA to improve designs
- Actively participated in idea-sharing and critically assessing concepts during workshops with ESA
- Funding and support provided across 3 consecutive projects: Mx-SAT, MRC-SAT, and MRC-100



"This collaboration with ARTES and the introduction of Mx-DMA MRC answers the market's call for unprecedented service agility... expanding the applicability and use of the technology to include a full spectrum of use cases"

COMMERCIAL SUCCESS & GROWTH

>100 systems deployed



Fully patented technology

Sold to EUTELSAT, SES, INTELSAT and service providers across the world



EXPANDING EUROPEAN CAPABILITIES & COLLABORATION

- Romanian Lasting Software contributed to Satellite Cellular Backhaul required for the success of this project
- Focus on innovative & sustainable manufacturing in Belgium and across the EU as four-time "Factory of the Year" Winner
- Contributing to building the EU protected waveform, with benefits to IRIS square

TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



