



# **Socio-economic impact assessment of the ARTES 4.0 programme**

## **Case study portfolio**

European Space Agency

13th December 2024



# SparkWing ARTES Core Competitiveness

The world's first off-the-shelf solar array answer for the small satellite market

- Efficient power solutions for small satellite missions: improving mission success rate and operational efficiency



## LEVERAGING ESA'S SUPPORT

- Development of a product to meet market demand
- Provision of technical and financial support



## COMMERCIAL SUCCESS & GROWTH

Evolution of catalogue: >30 different panel dimensions



Selected by Masten Space Systems for lunar lander launched 2023

In-orbit test in June 2023



Awarded contract with MDA to supply 200 Sparkwing solar arrays

Generation 2 in production



*"Based on our years of experience with large satellite projects, made possible by ESA and the NSO,..., it turned out to be a golden opportunity".*

# AIRBUS

## EXPANDING EUROPEAN CAPABILITIES & COLLABORATION

- Scalable first of it's kind European off-the-shelf solar array for small satellites built in the Netherlands
- Improves the position Dutch space companies in the emerging market of small satellites



TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



→ THE EUROPEAN SPACE AGENCY





