



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

## **Case study portfolio**

European Space Agency

13th December 2024



# CYGNI ARTES Core Competitiveness



Next Generation Broadcast Platform: Future-proof design combining video and IP multiservice capabilities

- ST Engineering iDirect, a global leader in IP-based satellite communications, supported across multiple ESA projects



## LEVERAGING ESA'S SUPPORT

- 4 years of dedicated ESA support, spanning from preliminary design in 2019 to product release in 2023
- Technical expertise contributed to continuous design evaluation and enhancements through an iterative process
- Collaborative workshops facilitated discussion on new concepts and provided valuable feedback for improvement



*"The MCX800 was designed with the idea of bringing together the best of both worlds – high density and high reliability"*

-Secondary source

## OVERCOMING BROADCASTING CHALLENGES

- MC-8000 combines density (1U) with scalability and high operational availability
- Ensures continuity of service with exchange of modules enabled during operation
- Featuring multi-stream (16) reception and transmission and a user-friendly GUI

## COMMERCIAL SUCCESS & GROWTH

2 new products



MCX8000 Multi-carrier satellite gateway showcased at IBC 2022 Amsterdam, launched during NAB 2023 Las Vegas

Field-swappable innovation adopted in other markets



Scalable product: meeting increasing demand in global broadcast market

TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



→ THE EUROPEAN SPACE AGENCY





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London  
Economics

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