



Socio-economic impact assessment of the ARTES 4.0 programme

Case study portfolio

European Space Agency

13th December 2024

MDA – DRA ARTES Core Competitiveness



Huge contract wins for Canadian antenna manufacturer for ARTES supported technology



- Any beam, anytime, anywhere coverage over visible Earth with advanced direct radiating array (DRA) antennas

LEVERAGING ESA'S SUPPORT

- Critical support was provided by the ARTES team for de-risking technology development
- Supported access to LEO/MEO markets versus traditional GEO
- ESA experts played a crucial role in bridging expertise gaps and challenging technical aspects
- ARTES provided credibility to the company and their product



"We would like to thank the ARTES team for providing the critical support in de-risking the technology that has led to MDA being selected by Telesat for the Telesat Lightspeed DRAS".

COMMERCIAL SUCCESS & GROWTH



>1000 units delivered



280 jobs in 5 years
700M CAD Telesat lightspeed contract



Apple and GlobalStar 327M USD contract for 17 satellite DRAs



Expansion of facilities

EXPANDING CANADIAN CAPABILITIES & COLLABORATION

- Unlocking new business models enabling faster, cheaper and more reliable high-volume production of space products in Canada
- ESA involvement exposed Canada to the European space ecosystem, introducing MDA to subcontractors and suppliers across Europe. This facilitated international relationships formed at technical conferences



TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



→ THE EUROPEAN SPACE AGENCY



