



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

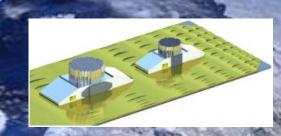


Expansion of facilities



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



LE Condon Leonomic

TECHNOLOGY

APPLICATION

END-TO-END SYSTEM



