



L3 MAS

Improving Maintenance Efficiency with Augmented Reality

Jean Roussel
Spécialiste Stratégique - Solutions d'Ingénierie

ORGANISÉ PAR

EN COLLABORATION AVEC

DANS LE CADRE DE



Company Presentation

- Company Size
 - L3 MAS is a Canadian company with 700 employees
 - A subsidiary of L3 Technologies with \$10.5B USD annual sales and 38,000 employees
- Market Sectors
 - L3 MAS Mission is to become Canada's Premier In-Service Support and Systems Integrator on the Defence Market
- Products and Services
 - Complete and integrated in-service support (ISS) capabilities
 - Fleet Management
 - Engineering Solutions
 - Integrated Logistics Support (ILS) including Supply Chain Management
 - Integrated Information Management including technical publications and fleet management tools
 - Modifications, upgrades and Maintenance Repair and Overhaul (R&O)
- Certifications
 - Transport Canada DAO/AMO, RCAF and RAAF ATO/AMO on several military platforms

ORGANISÉ PAR

EN COLLABORATION AVEC

DANS LE CADRE DE



Conseil national de
recherches Canada

National Research
Council Canada

SEMAINE
INTERNATIONALE
L'AÉROSPATIALE

Capabilities and Needs

- **Capabilities:** use of Augmented Reality in maintenance, modification and repair activities
 - Developed a demo based on Microsoft HoloLens to improve efficiency of technicians performing maintenance and modifications on aircraft that can:
 - Display Tech Pubs
 - Display Engineering dwgs and 3d models
 - Photo/video of technician view
 - Allow voice conversation with remote site
 - Significant efficiency gains expected based on demo version.
- **Needs:** partners with expertise in AR software

Potential Partners

- **Customers** interested in efficiency gains in their aircraft maintenance activities



- **Partners** with expertise in AR software development interested in further developing concept demonstrator for production use.

ORGANISÉ PAR

EN COLLABORATION AVEC

DANS LE CADRE DE