

### Study 3 — Defence and Automotive Electronics Synergy

This study explores the technological convergence between advanced automotive electronics and the emerging needs of the defence sector.

The report demonstrates how several technologies developed for intelligent and connected vehicles — including sensors, radars, embedded systems, cybersecurity, power electronics, artificial intelligence, and critical architectures — possess high-value dual-use applications for modern military platforms.

The study also presents industrial structuring pathways enabling Canada to simultaneously strengthen its civilian and defence capabilities while supporting advanced technology job creation and the development of a sovereign industrial base.