For individual, joint and coalition forces, Thales Canada has one aim in mind: facilitating mission success with integrated systems that empower commanders, staff and soldiers to rapidly access, analyse, and share critical information from a variety of sources and make better, faster decisions.

As a prime supplier and leading systems integrator, Thales Canada works to improve operational effectiveness addressing C2 to C4ISR requirements with assured connectivity of people, sensors and decision support systems.

From strategic to operational to tactical levels, we provide highly integrated electronic architectures combining voice/data/video networks into a coherent system, resulting in a network-enabled common operating picture that enables battle space situational awareness and allows for better planning, decisions and mission success.

Thales Canada’s experience in Command and Control (C2) dates back to 1997 with the Athene Tactical System (ATS) for the Army. Thales was selected to provide the C2 software capability as part of the Land Force Command System (LFCS) project. The ATS Short Term Support Contract (STSC) for software followed in 2002. The software application was designed to support the C2 decision action cycle, focusing on providing commanders and their staffs with the necessary tools and information to perform mission planning and make timely decisions based on up-to-date information.

We are extremely experienced with the ISO 12207 software lifecycle process, integrating COTS, MOTS and custom software, and providing through-life support to all aspects of the software system.

Thales Canada has supported our armed forces’ modernization efforts for over 40 years with world-leading technology, efficient integration of scalable products, and dedicated life-cycle service. We meet the needs of specific and joint force operations with effective program management and solution delivery.

From strategic to tactical, we provide added-value to Canadian Forces with applications that display the Common Operating Picture, enable battle and tactics planning, and deliver actionable intelligence. We provide communication solutions that coordinate tactics to get the most out of our troops.

With strong knowledge and experience in the areas of decision support tools, GIS, crisis management systems, sensor integration, network communication and data management, our expert team is primed to provide the functionality, effectiveness and support users demand.

For operational effectiveness, choose the Canadian electronic systems integration specialist that brings innovation home.

Contact Thales Canada at inquiries@ca.thalesgroup.com

Integrated C2 Solutions

You’re in Expert Hands with Thales Canada
LCSS C2: Robust Command Support
Thales Canada was awarded the Land Command Support System (LCSS) Long-Term Software Support Contract (LTSSC) in 2009. This five-year contract is one of the largest Command and Control support contracts ever issued by the Department of National Defence (DND).

The C2 solution is based on a services oriented architecture and built to common standards based on the J2EE/Java based model. The system integrates many applications, enabling commanders and staff to seamlessly exchange a myriad of tactical information between Joint and Coalition forces, from operational level HQ to forward operating bases and tactical vehicles.

Battle planning and management is accomplished using BattleView, a digital map-based application which provides the common operating picture. Battle reporting and terrain analysis, and Course-of-Action development.

To improve the efficiency of information management and communication, the solution includes a Tactical Information Management System (TIMS) that provides a collaborative tool for incident management, document management, and to automate reports and returns generation, consolidation and tracking. TIMS is also integrated with the Surveillance Command and Control Planning Suite (SCGPS) to display all motion video, IMICS/GRIF and other STANAG 4607/4609 compliant systems. This key application enables users to view sensor feeds that are geo-referenced and stored in the Coalition Shared Database at any LCSS workstation.

BattleView is the LCSS Battle Management Application for use on tactical vehicles including tanks and infantry fighting vehicles. BattleView provides the COP to the vehicle commander and crew to enhance their situational awareness and enhance security and effectiveness. It is a key application in the LCSS suite and includes a fully integrated GIS, which is connected to the vehicle GPS to enhance navigation and positional awareness at the squad level. In addition, BattleView provides the ability to share contact information and operational reports and returns automatically.

Selected by the Government of Canada for its IMIC3 program.

Commander C3 is a comprehensive C2 solution that is applicable across all new CSS builds. Thales Canada, a Seaspan NSPS solution partner.

Tactical Control Radar (TCR)
Thales’ solution includes its Ground Master 400, the world’s most advanced 3-dimensional mobile airborne defence radar, integrated with Identification Friend or Foe (IFF) command and control capabilities, Ground-Air-Ground and SatCom Communications, Link 16/11/1, networking and management systems, and simulation.

Commander C3 integrates information from radar, AIS, GPS and other sensors to generate a global maritime picture. The embedded communications capability within Commander C3 automatically exchanges local data with other Commander C3 stations where it is consolidated to generate the RMP. Any combination of commercial wireless and terrestrial communications may be used to meet bandwidth, coverage, reliability, security and cost requirements.

The Ground Master 400 provides exceptional long-range detection of targets ranging from small low-flying UH-1Ds to high-flying aircraft under challenging weather and electronic warfare conditions.

Our recent success as TCR prime is focusing the Thales Canada team on bringing together diverse systems into a cohesive and fully integrated system.

CP-140 Aurora Communications Management System (CMS)
This state-of-the-art-communications system will allow the Aurora fleet to be interoperable with other Canadian air and naval platforms and those of our allies.

As the prime contractor, Thales Canada has overall responsibility for the CMS project. The program encompasses all of the work necessary to design, acquire, build, integrate, install, test, quality certify, and deliver a new communications system for the Canadian Forces’ Aurora maritime patrol aircraft fleet. This includes the modification or replacement of various types of radars and sensors, a new Intercom system, interfaces to the navigation and flight instruments, software control of the radars, a new direction finder and a new directional, command activated synthesized sound projector.

There is also an upgrade required to ground based facilities. The CMS complies with new requirements for observation of the radio spectrum, and harmonizes work by the air and ground mission specialists as they perform their primary duties.

The Information Management System (IMS) provides the real-time data feeds that to its comprehensive CBM application and to other Commander C3 stations where it is consolidated to generate the RMP. Any combination of commercial wireless and terrestrial communications may be used to meet bandwidth, coverage, reliability, security and cost requirements.

The CP-140 Aurora Communications Management System (CMS) is a key application in the LCSS Battle Management Application for use on tactical vehicles including tanks and infantry fighting vehicles. BattleView provides the COP to the vehicle commander and crew to enhance their situational awareness and enhance security and effectiveness. It is a key application in the LCSS suite and includes a fully integrated GIS, which is connected to the vehicle GPS to enhance navigation and positional awareness at the squad level. In addition, BattleView provides the ability to share contact information and operational reports and returns automatically.

Our recent success as TCR prime is focusing the Thales Canada team on bringing together diverse systems into a cohesive and fully integrated system.