Overview

Emerging conflicts around the world require global defence forces to maintain high levels of combat readiness. Today's evolving mission requirements, as well as stringent regulatory standards, are creating additional operational challenges. Equipment must be mission ready and rapidly deployable to diverse theatres of operation. In parallel, life cycle managers and contractors need to be aware of the performance of their programs and systems so they can identify performance issues and determine the best course of action at minimal cost and impact to operations. An all-encompassing performance measurement management system is key to maintaining fleet operational readiness.

CAE's Electronic/Integrated Information Environment (EIE/IIE) solutions provide the required performance management system for any operational situation. Our solutions help commanders get the needed flexibility to adapt their operation and maintenance processes to the ever-changing requirements imposed by real combat situations.

The process

CAE offers scalable EIE/IIE solutions, and the expertise to integrate existing customer and contractor corporate systems to provide real-time information sharing for all stakeholders over the entire life cycle of your product or program. Our scalable solutions can be readily adapted to meet specific program needs. These invaluable tools coupled with CAE's program management expertise and mature processes ensure that your performance-based accountability requirements can be successfully implemented and managed. Our solutions offer additional cost saving opportunities by enabling network-centric life cycle management and in-service integrated logistics support (ILS) processes.

Experience

Through extensive experience supporting the Canadian CF-18 fighter fleet, CH-148 Cyclone maritime helicopter, CC-130 maintenance training devices and the Sperwer Tactical Unmanned Aerial Vehicles (UAVs), as well as the Defence Learning Network (DLN), CAE has considerable EIE/IIE solutions development and support expertise meeting the needs of its customers.
EIE/IIE features

CAE’s EIE/IIE solutions have built-in redundancy to avoid system failure, and are scalable to suit the specific program needs and implementation. Some of the features include:

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Mission briefing and analysis

Technical problem management

Learning information management

Logistic support analysis repository

Collaboration suite portal

Certifications

CAE's Integrated Information Environment is certified and accredited to work over the Canadian Forces Defence Wide Area Network (DWAN). Our EIE/IIE solutions comply with the Department of National Defence Airworthiness Policy to meet the stringent constraints of military operations, embedding the critical maintenance policies and procedures set out by the Technical Airworthiness Authority.

CAE’s EIE/IIE solutions are modular and feature an open architecture that allows easy interface (through Electronic Data Exchange) with peer systems through the production system (operation critical) and/or through a dedicated Collaborative Environment (CE) (business critical) portal. The system can support airborne, naval and ground-based platforms and is scalable and adaptable to any

Benefits


➔ Measure and quantify key performance indicators and enable increased fleet and systems availability
➔ Enable root cause analysis for systems/equipment degradation
➔ Effectively manage multiple systems configurations
➔ Quantify overall maintenance and logistics performance
➔ Enable an optimized preventive maintenance program
➔ Rapid access to logistics information (total asset visibility)
➔ Optimize performance using best commercial practices
➔ Improved asset distribution (right spare, right place, right time)
➔ Support obsolescence management
➔ Identify and recommend process improvement opportunities
➔ Lower total cost of ownership while maintaining operational capability
➔ Enforce airworthiness / seaworthiness regulations
➔ Contribute to strategic planning

Canada
Tel: +1-613-247-0342
milsim@cae.com

Europe
Tel: +49-2402-106-0
info@cae-gmbh.de

India
Tel: +91-80-2625-6000
caeindiapvtltd@cae.com

Middle East
Tel: +971-2-676-7676
milsim@cae.com

United States
Tel: +1-813-885-7481
cae_plc@cae.co.uk

Australia
Tel: +61-2-9748-4844
caeaus@cae.com.au

Corporate Headquarters
Tel: +1-514-341-6780
milsim@cae.com