Defence Logistics

The Ministry of Defence's ability to support military operations through effective logistics and support chain performance could be improved by the use of technology based solutions currently deployed by other national defence forces and widely used in industry.

THE CHALLENGE

The UK's Ministry of Defence (MOD) is undergoing major transformation with the focus on outsourcing non-military aspects of logistics delivery and supply chain management to gain the benefit from decades of industry experience. Using modern information systems to underpin this transformation will help to deliver the goal of an effective support chain that allows the military to do what it does best. Historically, materiel supply involves stockpiling more than necessary, expediting too many routine items at increased cost or a combination of both which can be mitigated with a robust and modern logistics information system (IS). The MOD has the following key requirements:

- To share a 'single version of the truth' for military activities and the resulting materiel usage, demand and the ability of the supply chain to replenish
- To use the best technology available at the best price possible to support military activity
- To create long term, collaborative partnerships with industry so that the MOD can extract full value, over an extended period of time from its investment in IS

OUR APPROACH

CGI has an extensive portfolio of defence and commercial supply chain solutions that bring the benefits of tailored commercial off the shelf (COTS) applications to the defence sector. CGI is one of the world's leading independent IT companies with capabilities in defence that help forces to manage their inventory, logistics and supply chain more effectively to deliver greater efficiencies - leveraging new technologies from our wider commercial experience. CGI has a deep understanding of the defence domain and has relevant supply chain experience globally:

- The Dutch MOD needed to manage and monitor the entire life cycle of munitions – from supply to use or destruction – on a single system, in a transparent manner across all three services. Working with them, CGI designed and built a new system that coordinates the flow of goods in and around the munitions warehouses across all the armed services. Previously each warehouse had its own system but now the same system administers over 50 warehouses. Our system also provides

KEY BENEFITS

- Our solutions help defence forces to manage inventory, logistics and supply chain more effectively to deliver greater efficiencies
- We have an extensive defence and commercial capability portfolio that can help any logistic information system (IS) problem
- We support the Dutch Ministry of Defence with their munitions life cycle and the U.S. Army with their daily management of Pre-Position Stocks
- In the UK, we provide the National Codification Bureau with eISIS and support the UK Ministry of Defence to plan and execute fire missions
- We provide the flexible, efficient ways of working that are common in the commercial world by providing secure hosting to IL3 and bringing secure mobile solutions to UK defence

comprehensive insight into the status of the Dutch MOD's munitions and control of the entire logistical process including authorizations, tracking and tracing and return flows.

- CGI worked with the Dutch Government on their largest ever ERP project, Strategic Program ERP Enable Reengineering (SPEER). We were involved from the start in selecting the SAP ERP package, implementing the solution and adopting the necessary change management.

- The Army War Reserve Deployment System (AWRDS) has supported the U.S. Army Sustainment Command's daily management of the Army Pre-Positioned Stock (APS) assets worldwide for nearly 20 years. AWRDS is an automated system designed to assist in the accountability, inventory, maintenance and transfer of APS assets to and from deploying units.   AWRDS is scalable and customizable providing a true enterprise solution for all Army logistics requirements, such as capturing costs, requisitioning parts, tracking scheduled and unscheduled services, tracking equipment and its condition, maintaining historical data, and providing a full spectrum of reports.

- CGI developed the Battleweb tool for the U.S. Army, effectively 'AWRDS Lite – a browser based version of AWRDS'. These systems are integrated with US Department of Defense's tactical and strategic systems as well as multi-modal transportation, RFID and Business Intelligence applications.

- CGI provides the United Kingdom National Codification Bureau (NCB) with a fully web-based eISIS codification system which provides real-time online codification and access to supply management data and tasking facilities. We have been a supplier to the UK NCB since 1997.

- Working with the UK MOD, CGI has developed the 'Fire Control Battlefield Information System Application' (FC BISA) and took the Fire Control Application (FCA) Mk1 from development to fielding in 11 months. The Royal Artillery, Infantry and Royal Marines depend on the FCA for accurate computing and safe ballistic firing solutions.

- In the UK CGI provides the secure hosting of operationally critical applications to IL3 and above through our Secure Government Cloud and private Cloud solutions supporting military operations around the world.   We also provide secure hosting for the UK MOD's JAMES programme and the integrated medical records of over 400,000 personnel.

WHY CGI

CGI is a global provider of information systems solutions in the defence sector. We bring expertise from many different disciplines and a range of commercial and public sector markets for exploitation in Defence. We offer solutions that can be tailored for specific users, based as far as possible on common services and drawing on future commercial concepts such as Internet of Things (IoT) and the cloud. From service definition, to governance, to assurance – we can deal with the challenges involved with implementing a supply chain solution.

In the UK we are ranked as a top 5 Defence SITS supplier and we focus on delivering Information Enabled Capability across the Defence Domain.

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