



Software Solutions
for
Defence MRO and Logistics

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Preface

ILIAS Solutions specialises in the development, implementation and maintenance of information management solutions for defence MRO and logistics.

We concentrate upon Aviation, Defence, homeland security and industries which rely on complex, high value or sensitive assets.

The services we provide cover the entire programme- and software lifecycles. We provide high quality software, which is flexible enough to fit into any organisation and working environment.

ILIAS is our integrated MRO and logistics information system that supports and integrates air, land, sea and medical components. It was specially developed for the defence sector and as such, it covers the specific requirements that remain unaddressed by standard ERP software. However, thanks to its architecture, the software can be implemented in related sectors like homeland security with no additional customisation.

"Controlling complexity is the essence of computer programming."

(Brian Kernighan)

Our Services

Our services portfolio covers the entire programme- and software lifecycles. We provide high quality software, which is flexible enough to fit into any organisation and working environment.

Our **Consulting & Implementation Services** will be your partner during the implementation project.

Once the implementation project is over, we aim for a long term customer relationship and the care for your account will be handed over to our **Customer Services** team.

In order to develop new features or customize existing features for you as a customer, both Consulting & Implementation Services and Managed Services have access to the **Product Development** team at all times.

Consulting & Implementation Services	Improve your performance	
	Support your implementation	Implementation & Customization
		Data Migration
		Training & Documentation
		Application Integration
Customer Services	Manage your requirements	
	Manage your application	Helpdesk Support
		Corrective Maintenance
		Technical Assistance
		Application Management
Product Development	Customize your application	
	Build your application	Analysis
		Development
		Testing
		Documentation

ILIAS

ILIAS is a web-based integrated logistics information system that supports air, land, sea and medical components. It was initially designed for the Belgian Air force in the early nineties and evolved to embody logistics best practices and integrate all Aerospace & Defence requirements. Because of its background, it now covers the specific requirements in the defence sector that remain unaddressed by standard ERP software. However, thanks to its flexible architecture, the software can be implemented in related sectors like homeland security with no additional customisation.

The core functionality of ILIAS is **configuration management**. The level of detail at which a configuration can be documented and managed in ILIAS is unlimited, and therefore the system is able to manage very complex configurations and assets, also including interchangeable material and modification programs on these configurations. Typical assets are aircraft, ships, vehicles, IT systems, utilities, machinery; any air, sea and ground equipment, in general.

Performance management is another important functionality in ILIAS. Performance drives requirements for asset availability, maintenance and supplies. Any number of preventive maintenance schedules can be defined on any number of assets, based upon performance readings or time intervals. ILIAS keeps track of past and planned performance in order to accurately predict requirements which can be transferred to the Supply/Repair chain.

ILIAS integrates the entire MRO and logistics process from foxhole to factory, starting from the operations or product use down to the procurement or repair at the supplier or source of repair.

Process Monitoring

Process Model

Operations

On Equipment Maintenance

Off Equipment Maintenance

Logistics & Supply

Prime Contractor

Sub Contractor

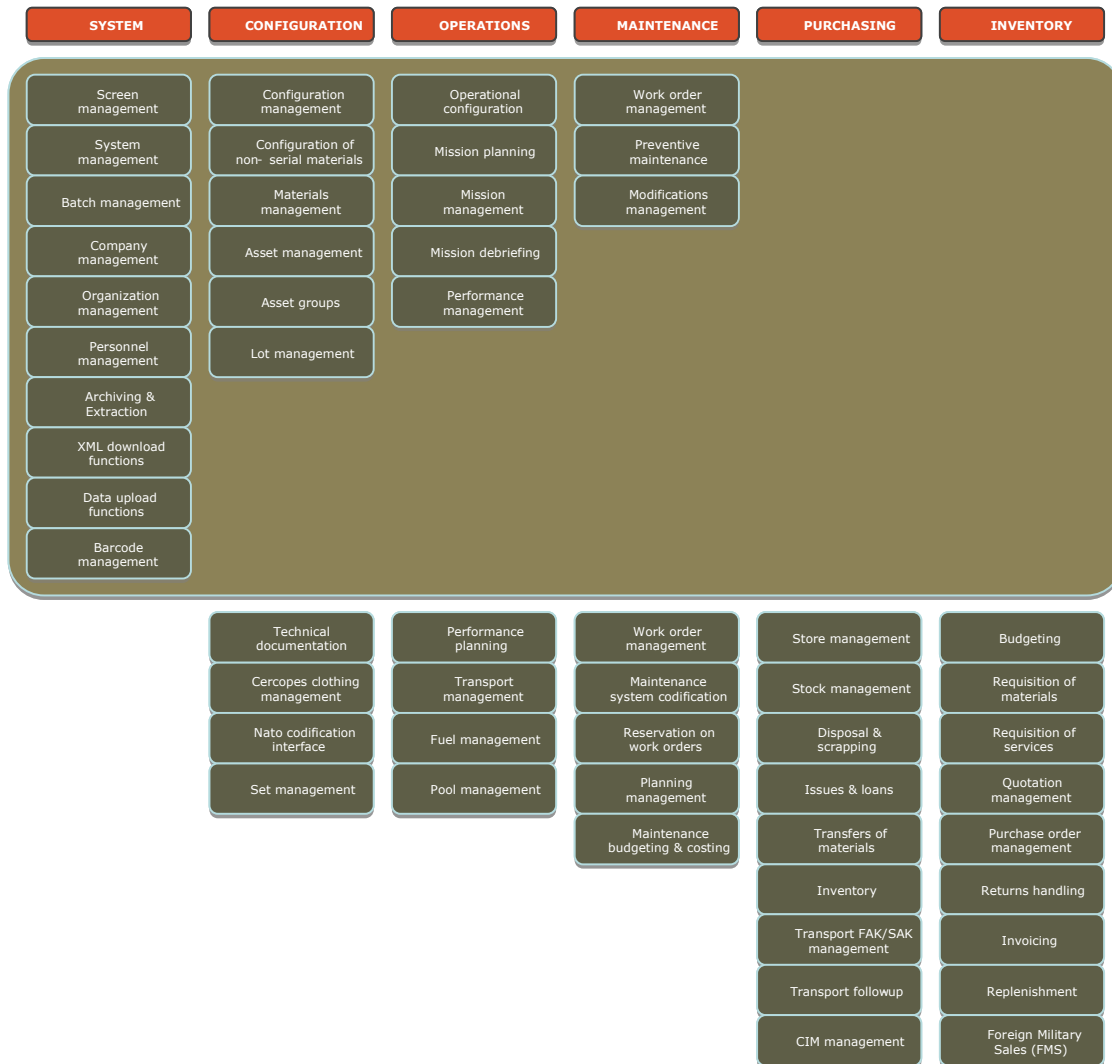
System Overview

ILIAS is organised around six domains. Functionality for each of these domains is offered as a combination of different mandatory and optional modules.

The ILIAS 'core' contains the system modules, and basic functionality for configuration management, maintenance management and operations management.

The optional modules contain inventory management and procurement, as well as extensions for configuration management, maintenance management and operations management.

Customer specific modules which extend or replace existing modules or even complete domains like Budgeting can be made on request.



Customer Stories

Belgian Defence

In the early 1990s, the [Belgian Air Force](#) felt the need to achieve significant improvements in aircraft availability and, at the same time, to reduce support costs and manning levels. ILIAS has been specifically designed to address these needs and has evolved over the years to the perfect solution which for Aerospace & Defence and its Industry Partners. In the mean time, ILIAS has been implemented for all Military Forces of the Belgian Army, including the Navy, the Medical Services and the Land Component. Dramatic improvements have been realised, directly related to the efficiency of the core business processes, the availability of equipment, cost and manning levels.



NATO AWACS Program

The [NATO's Early Warning & Control Force](#), with its main operating base at Geilenkirchen, Germany, operates the NATO E3A Boeing 707 fleet worldwide. In 1996, NATO carried out a series of studies which resulted in a detailed specification for a "Programme Integrated Logistics System (PILS)". The outcomes included the requirements for the replacement of the legacy CAMS/SBSS software (CAMS: Core Automated Maintenance System - SBSS: Standard Base Supply System). The ILIAS solution was chosen as the best available COTS solution on the market to replace the target legacy systems and to manage the data of all procurement, supply and maintenance processes.



Fuerza Aerea de Chile

Since 2006, ILIAS has been implemented in the Fuerza Aerea de Chile for the support of their fleet of F-16 aircraft.



About ILIAS Solutions

ILIAS Solutions specialises in the development, implementation and maintenance of information management solutions for defence MRO and logistics.

We concentrate upon Aviation, Defence, homeland security and industries which rely on complex, high value or sensitive assets.

In order to provide you and your organisation with a solution that is tailored to your specific needs, ILIAS Solutions consists of an effective team of experts with experience in managing complex and sensitive assets maintenance and logistics systems. Our team can provide you with a wide variety of skills ranging from business analysis, process improvement and project management to software development, testing, training, maintenance, helpdesk services, and much more.

Contact us

ILIAS Solutions
Raketstraat 40 rue de la Fusée
B-1130 Brussels, BELGIUM

Tel: +32 2 708 81 50
Fax: +32 2 708 81 79
Email: contact@ilias-solutions.com
Web: www.ilias-solutions.com

Our offices are located in Brussels, close to NATO Headquarters and the Belgian Defence Headquarters.

