



Whether applied to air, sea or land-based fleets, Critical Software's Fleet Management System (FMS) processes a range of datasets from several supply chain and logistic support systems, to produce an integrated, accurate and up-to-the-minute depiction of information on fleet availability and disposition. Real-time health and usage information from fleet assets is combined with maintenance and stock data to provide a comprehensive plan.

Data is gathered from logistic support and supply chain systems, and overlaid with additional input from Fleet Planners so as to provide them with a dynamic decision support capability. Information from the plan is then fed back into those same systems, such as maintenance and stock provisioning systems, so facilitating maximum asset use with the lowest Total Cost of Ownership (TCO).

As the focal point for Integrated Logistic support, Critical Software's Fleet Management System seamlessly integrates the surrounding information systems that are part of any fleet logistic and supply chain, so exhibiting a state-of-the-art SOA approach. It is consistent with industry and fleet management standards and best practices, and accommodates all existing fleet management approaches.

## FLEET MANAGEMENT SYSTEM **FMS**

Efficient Fleet Management is a prerequisite for an Integrated Logistic Support approach, as it centralises diverse information and makes it available globally.

It enables strategic planning decisions to be based on accurate health & usage, supply chain and maintenance data that is more usually scattered and not able to be used consistently and coherently.

Effective Fleet Management involves the establishment and measurement of performance-based metrics as well as enabling the negotiation and monitoring of Availability Based Contracts.

These can only be based on centralised, real-time, accurate and joint information from both legacy and newer, state-of-the-art systems.

Effective Fleet Management reduces Total Cost of Ownership (TCO) and greatly improves overall resource efficiency.

FMS is a generic framework for Fleet Management, developed by Critical Software, supporting integration and promoting fleet wide information availability in a single centralised state-of-the-art repository.

It pushes the concept of a highly integrated platform forward, by considering all aspects core to Fleet Management such as health & usage information, maintenance activities or stock availability.

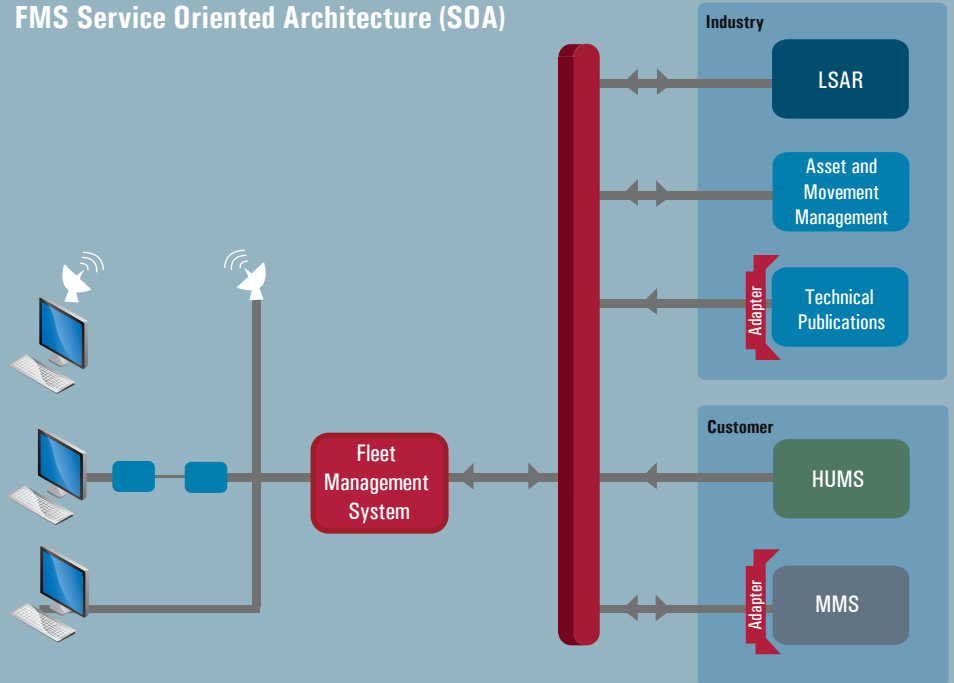
It allows the establishment of Performance Based Logistics (PBL) type contracts and metrics measurement, enabling the setting of penalties or performance reward levels.

With FMS, the Strategy for Fleet Management is implemented based on real fleet information. FMS is one of the most effective strategy enabling tools.





## FMS Service Oriented Architecture (SOA)



FMS is normally configured to be centrally located and is built to take advantage of available communication channels. It exhibits its full capabilities either through local user interfaces, locally accessible within and between Main Operating Bases or through web-based interfaces, allowing rapid no-cost deployment and global access to fleet plans and strategic options.

Using upstream health & usage data from fleet vehicles combined with decision data from Fleet Planners, FMS provides powerful predictive capabilities. These are based on interactive planning and historical information controlled by established business rules and identified best practices. FMS also provides “what if” simulation facilities, allowing users to run different scenarios driven by selectable operational and maintenance parameters.

By accessing the comprehensive built-in reporting suite, supplemented by self-generated customised reports to meet special needs, operators will have instant access to their overall fleet availability picture. They can then use this information to greatly reduce operating costs by making the optimum use of each asset, exploiting the full capacity of maintenance facilities and minimising fleet out-of-service time.

## About Critical Software

Critical Software is an international company that provides solutions, services and technologies for mission and business critical information systems. The company was established in 1998, is headquartered in Coimbra (Portugal), has offices in Porto and Lisbon (Portugal) and subsidiaries in Southampton (UK), San Jose - CA (US). Critical Software supports customers across several vertical markets including Aerospace, Defence & Homeland Security and Manufacturing.

