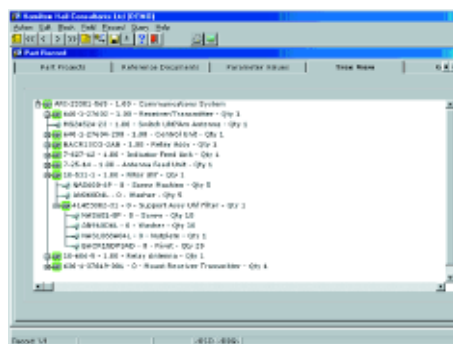


LEO PRODUCT LIFECYCLE MANAGEMENT - FULL INTEGRATED LOGISTICS SUPPORT

LEO has been successfully used for over 20 years by businesses with a need for PLM solutions, providing a comprehensive, secure asset management environment, with views and portals for dynamic collaboration, project management, requirements management and visualization. With process-focused solutions and proven technology,

LEO is the PLM digital enterprise backbone that considers product knowledge as a corporate asset. This approach ensures all business processes are sharing consistent and up to date information enabling design to be influenced by events and costs as they happen in-service and in real time. Influence your product design and support your customers by allowing this information to be accessed and updated through different views and perspectives.

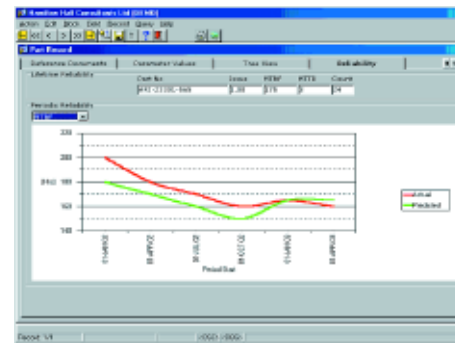
Departments or associates within those businesses such as design engineering, service departments, warehouse and shop floor personnel, customers, users and suppliers are presented with a coherent, timely and accurate view of the product data at all times.



Screenshot from LEO's Product Data Management showing a visual representation of an assembly's structure.

LEO ensures that at each stage of the product lifecycle, business processes remain agile and able to react quickly to influences such as shifts in technology, supply chain interrupts, competitor initiatives, changing market requirements, customer modifications and operational changes.

By optimising product design and production cycles, time to market can be reduced and product costs controlled. LEO also guarantees effective management of in-service maintenance, modification and repair programmes. It increases operational efficiency, improves response to customer demands and encourages customer loyalty.



Screenshot from LEO's Product Data Management showing Part Lifecycle Reliability figures.

LEO PLM is an Integrated Logistic Support capability able to support operations from 'factory to foxhole' and design to deployment by using the collaborative power of client/server, mobile and Internet technologies to extend its benefits across the business. It maintains a coherent set of data for the product history by capturing data at every stage and activity in the product lifecycle. The LEO suite of integrated modules gives fast return on investment, fast value solutions across many industry sectors including aerospace and defence, automotive, consumer and packaged goods and high tech electronics; it supports business process domain solutions for product and portfolio planning, product development, digital manufacturing, in-service and disposal.

LEO facilitates a joined-up approach to the management of business assets. It enables comprehensive management of the product lifecycle; drives the associated activities of resource scheduling, service delivery, stock control and logistics; manages technical specifications, drawings and corporate documentation; and turns plain data into prime business intelligence.

The LEO Product Lifecycle Management system provides companies with a complete business solution to accelerate revenue, reduce costs, improve quality, ensure compliance, and drive innovation throughout the product lifecycle from requirements analysis to design and production, through sourcing and fulfilment, to operational deployment and end-of-life disposal.

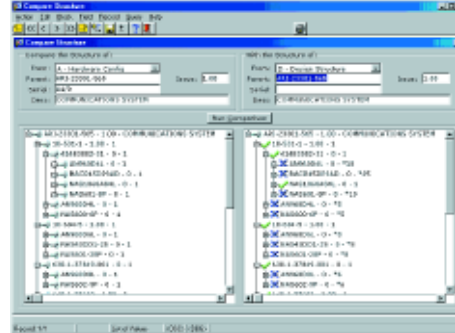
Because LEO PLM is a complete solution, you can manage all product-related information, from first idea through design and production to obsolescence. You can also speed up processes through collaborative engineering and project management across multiple business partners.

LEO:

- Is designed, developed and supported in the UK
- Is web enabled with mobile data connectivity
- Operates on all major platforms
- Utilises Oracle technology

Its open technology framework takes advantage of industry standards such as HTML, XML, and Wireless Application Protocol (WAP) to ensure flexibility and interoperability. Its unified architecture is scalable and can be tailored to the unique requirements of specific industries and companies.

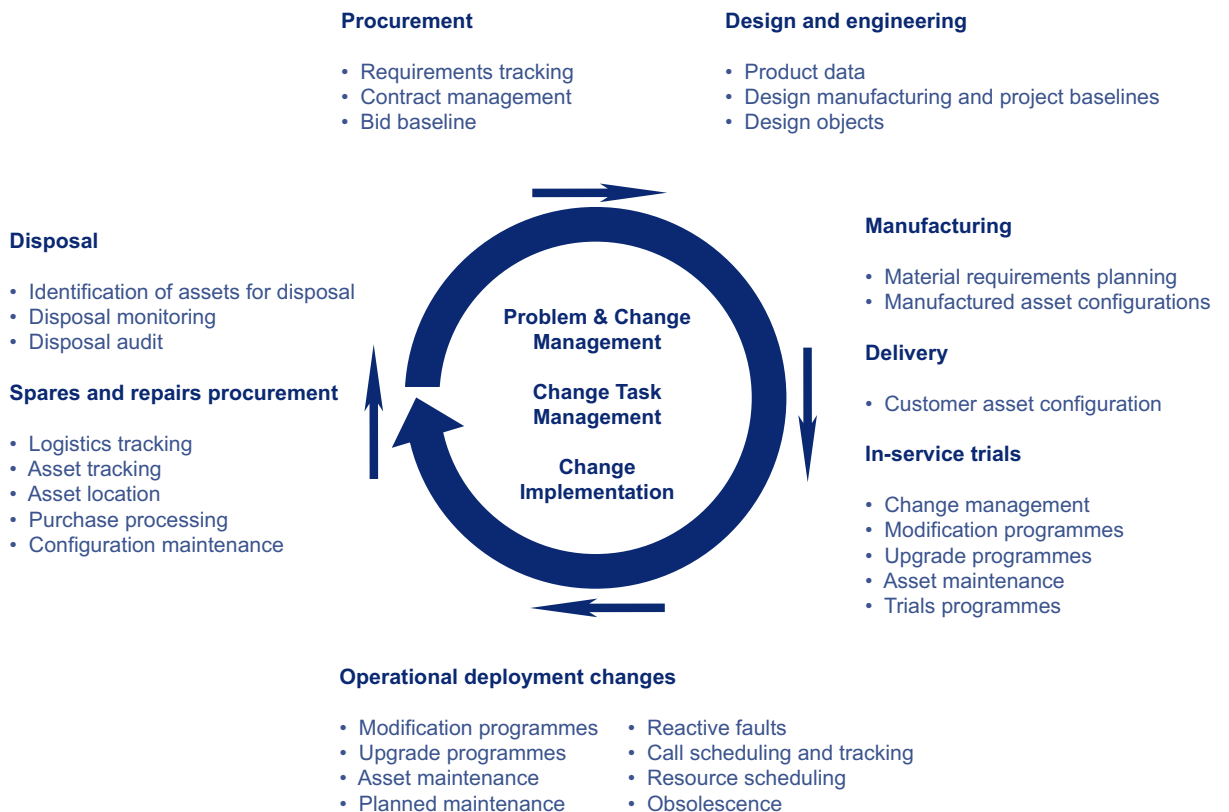
LEO enables field and support personnel to provide engineering and manufacturing organisations with essential information about product performance gathered directly from the service activities. This creates a proactive product management environment with the customer as



Screenshot from LEO's Product Data Management comparing two similar structures.

the central focus, in which troubleshooting and problem resolution are dramatically improved and customer issues, whether product defects or enhancement requests, are responded to promptly and effectively.

Predicted reliability and availability is compared and maintained in real time giving graphical views and data to enhance the accuracy of the prediction process.



Business benefits

LEO PLM delivers measurable business benefits across the continuum of product management. It enables organisations to compete effectively and succeed in increasingly volatile markets by helping them achieve the following objectives:

- reduce time and costs between bid and design phase
- reduce product time to market
- reduce cost of configuration management
- minimise product and process costs
- deliver the highest quality and highest performance products
- communicate and collaborate effectively across an increasingly complex global supply chain
- maximise revenue from the contract
- visibility of costs
- effective contract management for asset management for the outsource business sector
- contract performance monitoring

LEO reduces product costs by maximising the efficiency of every segment of the product lifecycle. LEO's workflow capabilities capture best practice, eradicate process bottlenecks and overcome resource dependencies. Real-time access for staff, suppliers and customers to the processes of the product lifecycle and one view of product information, ensures seamless collaboration within a consistent business environment. The result is that delays are minimised, mistakes are avoided, costs are reduced and productivity is maximised.

Supporting the Product Lifecycle

LEO manages the complete product lifecycle and all product-related information, from first concept through design and production, to in-service management and obsolescence. It is a comprehensive solution that synchronises design and sourcing teams with external partners, leveraging combined strategies and business processes to expedite product decisions that often involve hundreds of suppliers, thousands of parts and global manufacturing operations.

Most importantly, LEO unifies Product Development with Customer Relationship Management and Asset Management.

Associated Product Data sheets:

- Asset Management
- Service Management
- Workshop Repair Management
- Configuration Management

“LEO: The product that makes complete asset management support from concept to disposal part of the normal day to day operations for all businesses”

Summary of features

- Contract and bid management
- Design and engineering support
- 'Build standard', 'As built standard' and 'As maintained standard' baselines
- Design and complex hardware-software asset configuration maintenance
- Problem and change process management for all design objects - parts drawings, documents and software modules
- Configuration and management of design baselines and individual asset baselines
- Easy comparison of baselines
- Operational modification, maintenance and repairs programme support
- Planned maintenance
- Comprehensive resource planning and scheduling
- Activity based costing
- Collects and maintains asset information throughout lifecycle
- Holds and tracks asset hierarchy information – parents, sub-assets, serial numbers
- Predicts reliability/availability comparison with in service performance.
- Visibility of predicted vs achieved availability
- Spares procurement
- Disposal management
- Integration with service contract management with SLAs for asset performance
- Integrated, product related processes – sales and service, engineering and manufacturing
- Reactive fault logging and resolution tracking
- Workflow defined business processes
- Change and cost management for complex projects
- Portal access to support collaboration between business partners, suppliers, sub-contractors and customers
- Remote access to specifications, drawings, work instructions and revisions for field staff
- Real-time view and update processes for mobile personnel
- Up-to-the-moment business management information
- Comprehensive cost management strategy

“LEO is a single integrated application”

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