

Completely Integrated Solutions  
for the Navy

## SINAVY<sup>CIS</sup> LCM

Perfectly designed maintenance and modernization measures to keep vessels highly efficient and available over the long term

**Your Success is Our Goal**

# SIEMENS

Industrial Solutions and Services

Remaining seaworthy while saving costs: with SINAVY<sup>CIS</sup> Life Cycle Management (LCM), Siemens offers a full spectrum of maintenance and modernization measures for keeping the fleet in top form over the long term. An extensive training program selection for the crew helps to further increase availability and operational safety.

### SINAVY<sup>CIS</sup> LCM – a more cost-effective investment in the future

The performance of necessary maintenance and modernization measures on vessels is normally a costly undertaking. Coordinating the servicing of various sub-systems is very time-consuming, and frequently does not function particularly smoothly when relying on several service providers.

A comprehensive Life Cycle Management program in which the entire service process is professionally organized and carried out by a single provider, provides a solution. This ensures that repair and maintenance requirements are promptly executed at all times, thereby virtually eliminating costly damage repairs afterwards. At the same time, customized modernization measures can also ensure the availability of ships and submarines over the long term.

### Five good reasons for SINAVY<sup>CIS</sup> LCM

- High level of reliability, operational safety and availability of the entire fleet
- Exact planning and logistically intelligent execution of all necessary measures helps to save time and costs
- Attractively priced solutions from a single source: no interface problems with maintenance or modernization measures
- Worldwide service
- Comprehensive training program selection to increase crew and maintenance personnel expertise



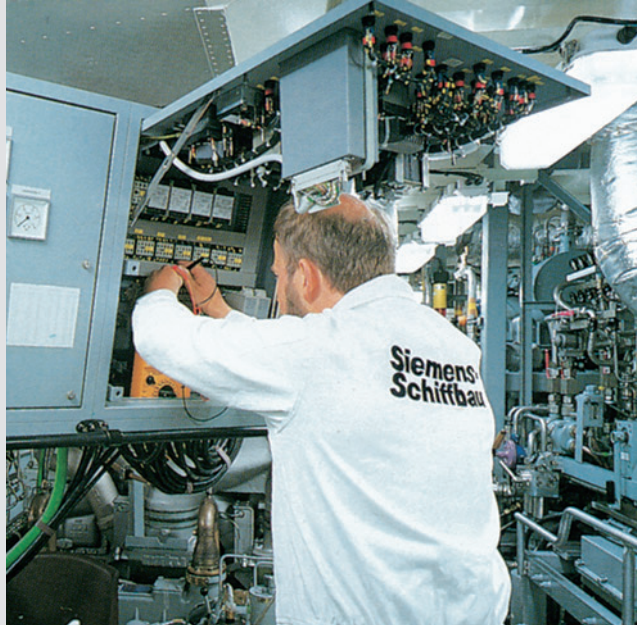
## SINAVY<sup>CIS</sup> LCM – Our solution in detail

With 125 years of experience in equipping vessels, Siemens knows exactly what is important when it comes to service. SINAVY<sup>CIS</sup> LCM, the professional and cost-saving Life Cycle Management system for vessels, offers customized solutions for maintenance, repair and modernization worldwide:

- Professional support in modifying older vessels
- Support during periodic overhaul phases
- Systems and components service
- System modernization
- Spare parts service and delivery
- Repairs
- Crew and maintenance personnel training

In close cooperation with the customer, Siemens plans and coordinates all necessary measures, offers professional support for periodic overhauls and, if necessary, handles the rapid procurement of spare parts.

Siemens periodically conducts both the maintenance of submarines and surface vessels, as well as the complete or partial modernization of electrical systems and automation components, thereby greatly increasing the life cycle of a particular vessel.



### Competence on board

Siemens engineers provide on board assistance in assuring that electrical and automation systems remain highly available over the long term. If necessary, older components are replaced with more technologically advanced components, thus increasing the life span of the systems.

If a component or system should nonetheless fail, our tightly knit, worldwide network of repair centers ensures quick damage recovery. Should a requested spare part be outdated, the customer is informed and offered appropriate alternative solutions.

### Professional training for professionals

As part of SINAVY<sup>CIS</sup> Life Cycle Management, Siemens additionally offers a broad spectrum of training programs for crew and maintenance personnel, thereby enabling optimal utilization of on board equipment. Training programs are offered at Siemens sites, as well as on board vessels or at other suitable locations.

## SINAVY<sup>CIS</sup> – Completely Integrated Solutions for the Navy

As a comprehensive industry-specific solution for naval vessels, our SINAVY<sup>CIS</sup> product family integrates all the products and services you need for sustained maximization of your ship's performance.

For each particular task, a solution has been defined that

- **horizontally** improves all of your ship's operations
- **vertically** integrates the ship's information and security management end-to-end, helping to make better-founded decisions
- and, at the same time, is designed for optimal vessel-specific maintenance and comes with assured further development **over the whole life cycle**.

Due to this unique combination of horizontal, vertical and life cycle dimensions, our solutions all carry the genes of an exhaustive and sustained plant productivity in their very core.

**For More Efficiency. More Performance. More Power.**

**Completely Integrated Solutions from Siemens.**

[www.siemens.com/marine](http://www.siemens.com/marine)

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CIS = Completely Integrated Solutions

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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