

SaCoS 5000

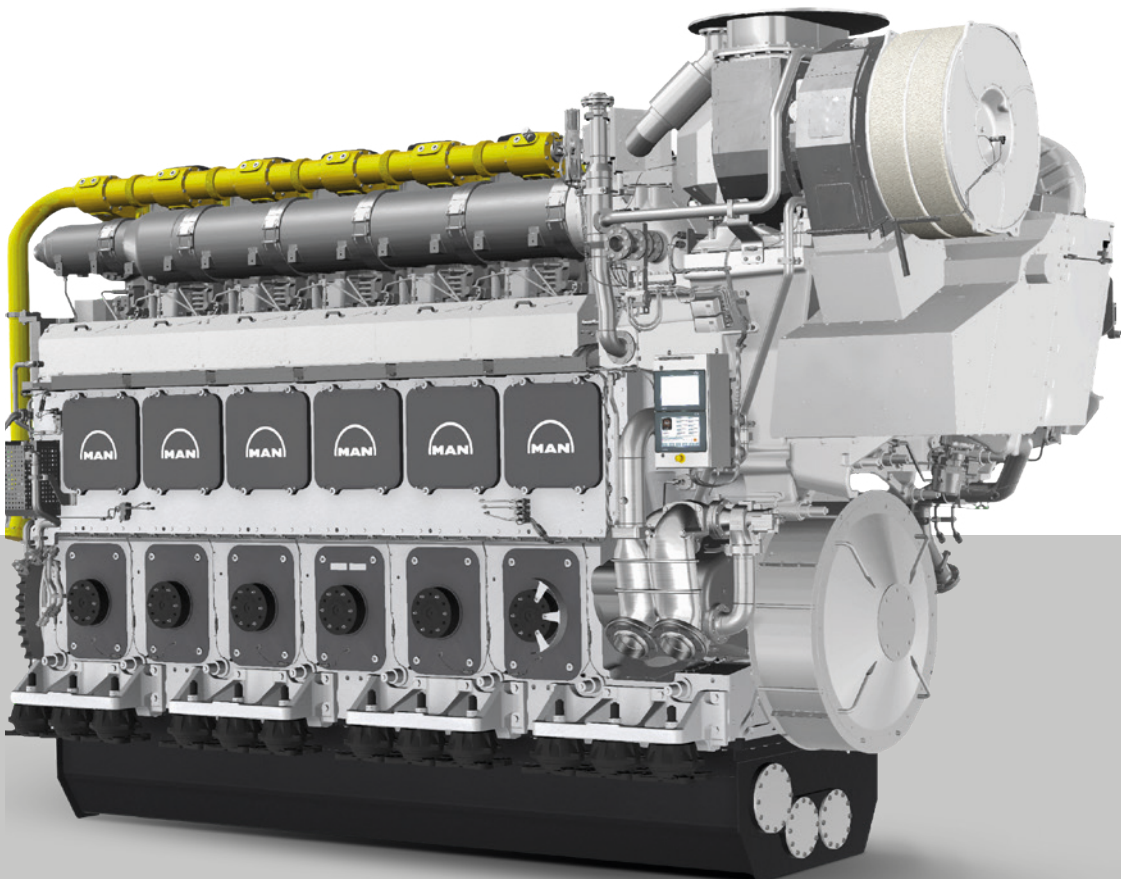
Engine control system

Ready for the future

SaCoS 5000 is the evolution of the well-known SaCoSone control system with proven reliability, robustness, tailored functionality for the demands of MAN Energy Solutions engines and extended safety features.

Benefits at a glance

- Reliability and safety
- Performance
- Long-term support
- Modular-kit approach



SaCoS 5000 platform

Key benefits



Reliability and safety

SaCoS 5000 is the evolution of the well-known SaCoSone control system with proven reliability, robustness, tailored functionality for the demands of MAN Energy Solutions engines and extended safety features.

- Proven technology and schematics
- Extended temperature range (-10 °C...80 °C)
- New SIL-proven redundant emergency stop feature



Performance

The introduction of a new processor architecture enables a scalable increase in CPU performance and memory in order to be prepared for constantly increasing requirements.



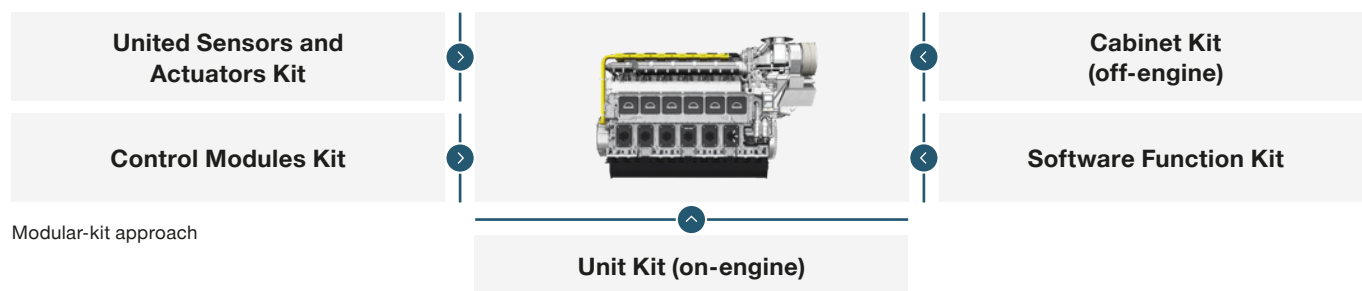
Long-term support

Newly-developed hardware modules can be produced as new SaCoS 5000 device as well as a compatible SaCoSone device in order to ensure the availability of spare parts for the next decade.



Modular-kit approach

Through the consistent development of a modular building kit concept, all SaCoS product lines will always be based on exactly the same hardware and software components.



Modular-kit approach



Modern user interface

A modern user interface was developed together with external design experts to ensure a consistent user experience for all users of our four-stroke and two-stroke engines.

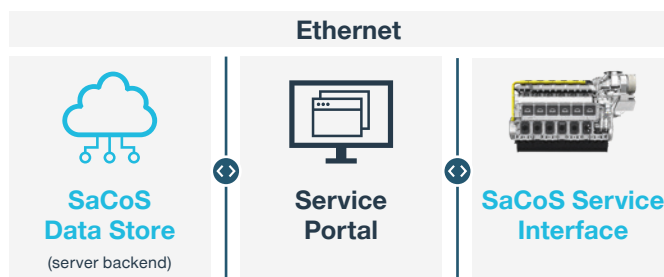


Improved service functions & usability

All essential operating functions and work steps are brought together in the new SaCoS 5000 ServicePortal in order to install, configure and run diagnostics on the automation system of our engines via one interface.



Main overview page of the SaCoS 5000 local operating panel



SaCoS 5000 ServicePortal architecture



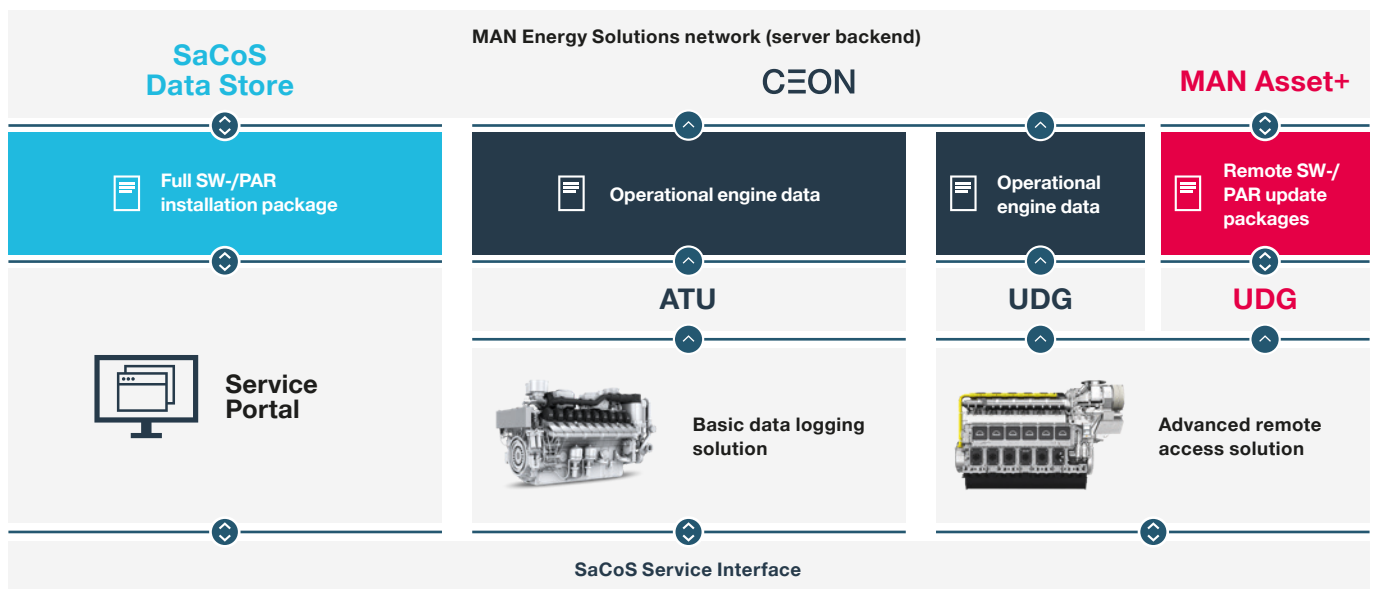
Digital connectivity

SaCoS 5000 is prepared to implement the necessary interfaces to be able to quickly adapt to future digital business models via remote access solutions.



Cybersecurity by design

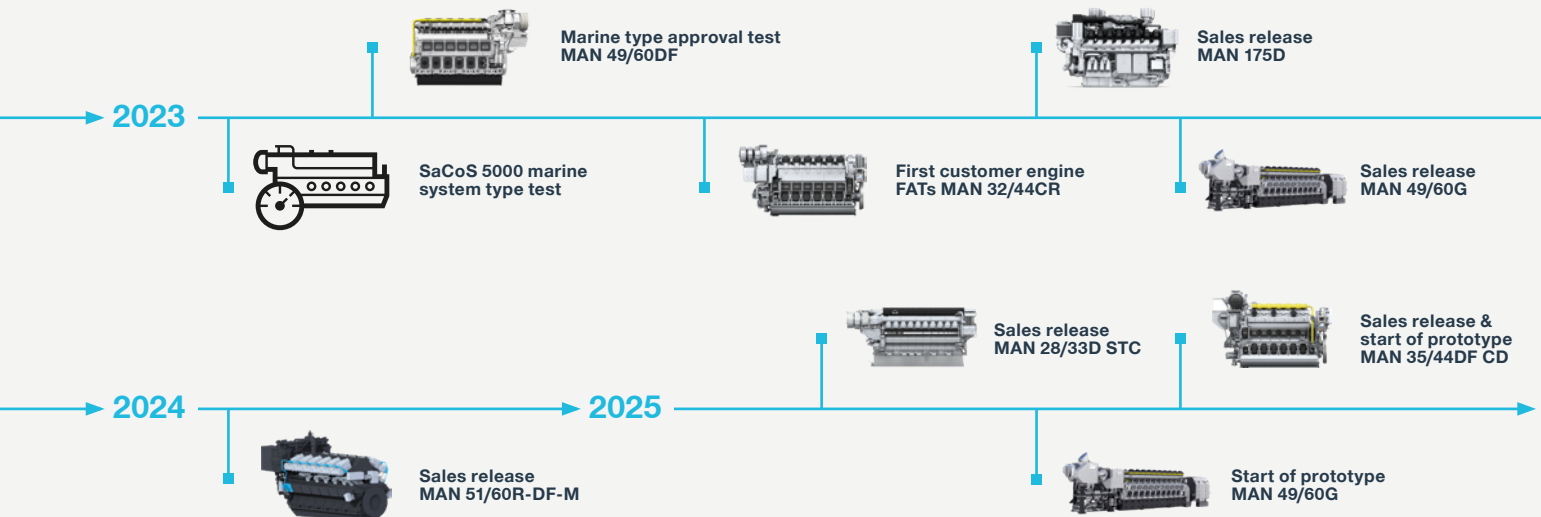
SaCoS 5000 is developed based on a “cybersecurity by design” approach and features all relevant technological prerequisites in order to be able to meet the highest security standards in the future.



Connectivity and security architecture

ATU: Analytics Telemetry Unit | UDG: United Data Gateway | SW: Software | PAR: Parameter

SaCoS 5000 roll-out timeline



MAN Energy Solutions
86224 Augsburg, Germany
P + 49 821 322-0
F + 49 821 322-3382
info@man-es.com
www.man-es.com

All data provided in this document is non-binding. This data serves informational purposes only and is not guaranteed in any way. Depending on the subsequent specific individual projects, the relevant data may be subject to changes and will be assessed and determined individually for each project. This will depend on the particular characteristics of each individual project, especially specific site and operational conditions.

Copyright © MAN Energy Solutions. D2366710-N2
Printed in Germany