

Everllence



SaCoS_{retrone} for SaCoS_{gg}

Main Benefit



Safety improvement

32/40, 40/54, 48/60, 58/64 engines



Safety improvement

- Secured supply of spare parts and service
- Reliable engine performance
- Extended engine lifecycle



Other Benefits

- Short operating downtime during conversion
- Improved troubleshooting tools (SaCoSone toolbox,...)
- Software updates already prepared in advance

How the Solution works

- Removal of old electronic equipment from control system cabinets
- Delivery of Everllence Hardware Modules on pre-assembled plates with Class approval
- Installation of assembly plates in existing cabinets
- Wiring work in existing cabinets, connecting engine cable looms to assembly plates
- Existing cables from the engine to cabinets are retained and used for the new control system
- Introduction of new cable specifications, where technically necessary (upgrade of the system bus connection to Ethernet in case the existing standard is Arcnet)
- New sensor types introduced only where technically required
- Replacement of remote operating panel (ROP) and integration of other control panels, if existing (e.g. in wheelhouse or engine control room)
- For 32/40 engine types: installation of a new lifting cylinder for VIT (Variable Injection Timing) if not already present on the engine



For further information:

Should you have any queries, our Retrofit & Upgrades team will be pleased to be of assistance.

EVERLLENCE SE
PrimeServ Germany
Stadtbachstraße 1
D-86153 Augsburg

Contact:

retrofit4s@everllence.com

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Scope of Supply

Hardware:

- Fully assembled and pre-installed Engine Control & Safety Panels
- Pre-fabricated and -installed Display Panel
- New necessary Pt1000 temperature sensors (incl. plugs and seals) as replacement for outdated Pt100 sensors
- Cables and wires inside cabinet
- Consumable material
- For 32/40 engines VIT-retrofit included
- Optional:
Spare Part Kit (incl. Toolbox for better troubleshooting and diagnostics)

Engineering:

- Individual hardware and software engineering for customized application
- Engineering for individual Interfaces to external systems
- Creation of the respective customized documentation (LMC, wiring diagrams,...)
- Class Approval with certificate and hardware check for marine application in factory

Service:

- Installation & commissioning within about 12 days

Field-Proven

More than 170 SaCoS_{retrone} have been installed successfully until Q1/2026



Applicability

- SaCoS_{retrone} is designed for the following engines:
 - 32/40 & 32/40CD
 - 40/54
 - 48/60A & B
 - 58/64 & 58/64CD
- Approved for Marine and Power application
- Ensured compatibility with PrimeServ Assist for ongoing support and optimization

MAN Energy Solutions is now:

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