

APPLIED
MOTOR
CONTROLS

Engineered for the ocean

LV / MV SOFT
STARTER AND
DRIVES

AuCom
AN AMCONEX GROUP COMPANY



Your partner for safe, certified and sophisticated applied motor control solutions

FOR THE MARINE INDUSTRY

AuCom stands for practical, robust drive solutions in marine and offshore technology. With our Low and Medium Voltage Soft Starters and Variable Frequency Drives (VFDs), we offer tailor-made motor controls that are precisely designed to meet the requirements of the maritime industry. Whether soft starting, protection of critical drives or energy-efficient speed control – our products ensure efficient, economical and reliable operation.

The focus is on the AuCom Marine Soft Starter (EMX4- and MVE-Series) and the AuCom Marine Variable Frequency Drive (AFE- and MVH2.0-Series). Both are halogen-free and DNV-certified – for maximum safety and standard compliance in the marine sector. The requirements of the Soft Starters and VFDs are precisely tailored to the respective field of application – from individual software parameterisation, fully system-integrated drive packages, space-saving control cabinet design – and combine functionality, ease of maintenance and protection requirements in a well-thought-out overall solution.

That's why AuCom dominates the waves!

- Safe & marine certified
- Cost & space saving
- Efficient & sustainable
- Intelligent & user friendly
- Robust & compact



Application in the marine industry



SHIP STEERING



PUMPS



FANS & VENTILATION SYSTEMS



WINCHES & CRANES



CONVEYING & TRANSPORT SYSTEMS



OFFSHORE PLATFORMS



PORT INFRASTRUCTURE

Marine MVH2.0 Variable Frequency Drive

INTELLIGENT CONTROL – EFFICIENT, ROBUST AND VERSATILE

The Marine MVH2.0 variable frequency drive is the ideal motor control solution for precise speed control and maximum energy efficiency. It combines easy commissioning and configuration with robust, marine-approved construction in a space-saving design that is engineered for reliable continuous operation and low life cycle costs. Demand-based control reduces energy consumption, lowers starting currents and prevents voltage dips, while precise torque and speed control minimises mechanical stress, reduces noise and vibration, and increases plant availability.

Integrated protection and monitoring functions – from overcurrent, overvoltage and temperature monitoring to event and status diagnostics – support predictable maintenance and increase operational reliability. The compact, service-friendly design with good accessibility facilitates installation and maintenance, enabling the MVH2.0 to operate powerfully, efficiently and reliably in demanding maritime environments.





ADVANTAGES AT A GLANCE

- Intelligent control functions for flexible motor applications
- Compact, weight-optimised design
- Halogen-free
- RINA-approved (others on request)
- Versatile – from pumps to propulsion
- Energy-efficient and durable

TYPICAL AREAS OF APPLICATIONS

- **Main and auxiliary drives** – flexible speed control for propulsion systems
- **Pumps** – optimised speed for energy savings (e.g. cooling water, ballast and supply pumps)
- **Fans and air conditioning systems** – energy-efficient operation with variable speed
- **Compressors** – precise control and improved efficiency
- **Winches, cranes and loading systems** – smooth movement sequences and energy optimisation



MVH2.0 VFD

For more information visit our website

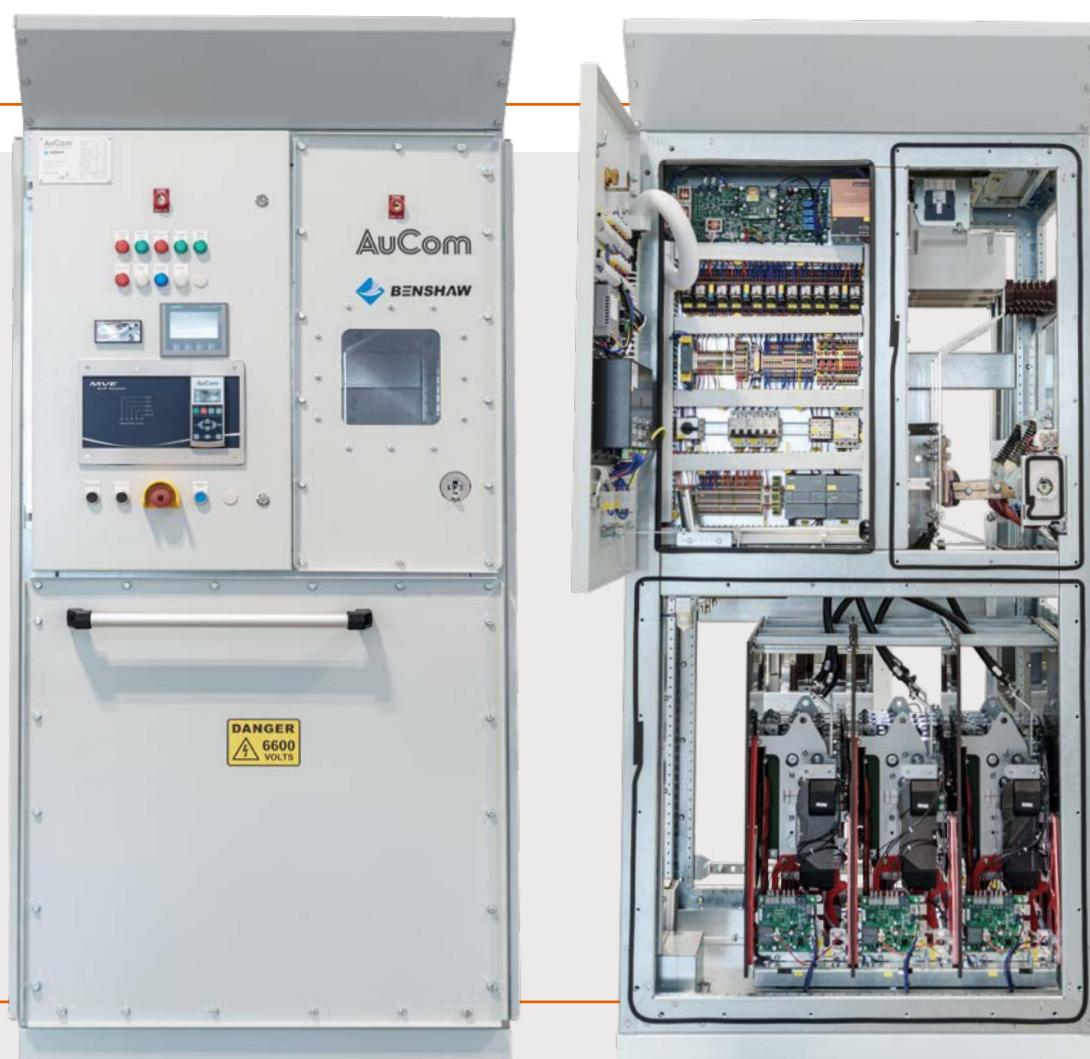
AuCom Marine Soft Starter

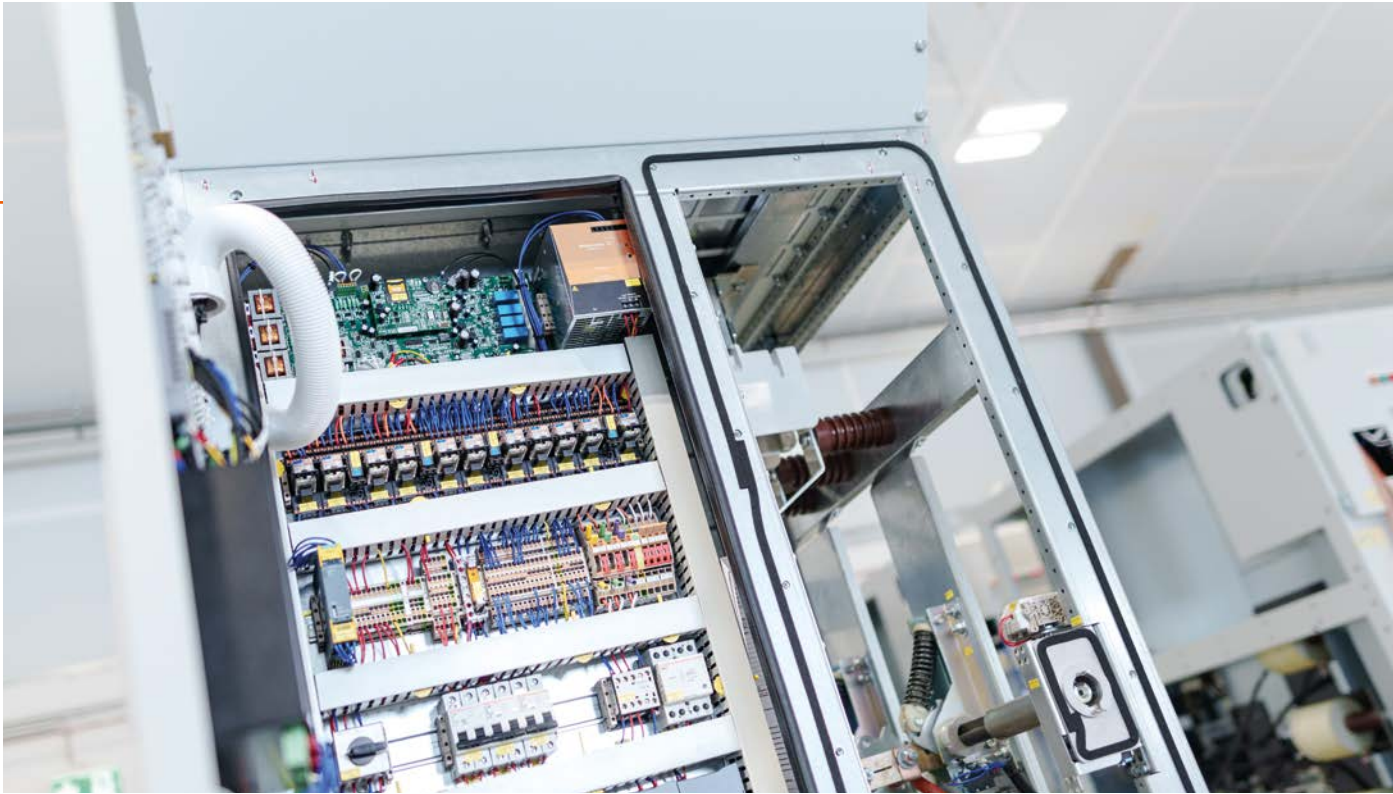
COMPACT, SAFE AND SUITABLE FOR MARINE USE

The AuCom Marine Soft Starter was developed specifically for the special requirements of the maritime industry. That is why this technology is precisely tailored to the typical challenges encountered on board.

The soft starter is halogen-free and has DNV approval – a reliable guarantee for safety and compliance with standards at sea. Because space and weight are at a premium in maritime applications, it has been deliberately designed to be compact and lightweight. Compared to our standard solution, you save on both without compromising on performance or protective functions.

A typical application is the bow thruster. This is where the soft starter really comes into its own: smooth starting currents, stable operation and extended service life of the propulsion. The associated control cabinet is designed with a low centre of gravity so that it can be used optimally in the lower part of the ship – and has a handrail for safe handling on board. Maximum safety is ensured by an integrated arc flash apron, which reliably protects people in the event of an electrical arc.





ADVANTAGES AT A GLANCE

- Gentle starting currents – protection for the mains and mechanics
- Space- and weight-saving design
- Halogen-free
- DNV-, ABS-approved (others on request)
- Extended service life of the propulsion

TYPICAL AREAS OF APPLICATIONS

- **Bow and stern thrusters** – smooth start-up for precise manoeuvring
- **Pump systems** – e.g. ballast pumps, cooling water pumps or fire-fighting pumps
- **Fans and blowers** – controlled start-up without mechanical stress
- **Compressors** – reliable operation under high loads
- **Conveyor and loading systems** – protection against mains fluctuations during start-up



L-MVE Soft Starter

For more information visit our website

EMX4 SOFT STARTER

REDEFINING SOFT STARTERS

Like its predecessor, the EMX4 soft starter sets new standards for soft start technology.

EMX4 is not only smaller, more powerful and packed with new control and protection features, it also introduces the gamechanging Smart Card capability. Fitting a Smart Card to the EMX4 transforms it from super smart motor controller to complete system controller.

Smart does not have to mean complex. While the EMX4 offers more functionality than ever before, it has been designed to make your life easier. By enhancing the display and connectivity functions, and making them intuitive, it is easier to access the right information when you need it, enhancing your overall efficiency.

We have designed the user experience to include a comprehensive graphical display, quick setup menus and multiple languages.





ADVANTAGES AT A GLANCE

- Simple to use
- Energy efficiency
- Smart Card functionality
- Mobile app integration
- Halogen-free
- LR- and ABS-approved (others on request)

TYPICAL AREAS OF APPLICATIONS

- **Bow and stern thrusters** – smooth start-up for precise manoeuvring
- **Pump systems** – e.g. ballast pumps, cooling water pumps or fire-fighting pumps
- **Fans and blowers** – controlled start-up without mechanical stress
- **Compressors** – reliable operation under high loads
- **Conveyor and loading systems** – protection against mains fluctuations during start-up



EMX4i Soft Starter

For more information visit our website

Services

At AuCom, our global team is with you every step of the way, from project engineering to field and aftermarket support. Additionally, our service contracts deliver ongoing support and maintenance, providing peace of mind throughout the lifecycle of your equipment.



PROJECT ENGINEERING

AuCom offers you reliable, high-quality solutions, individually tailored to your requirements – from individual motors to large-scale projects.

- Individual planning & design
- Manufacturing & Sourcing
- Transparent communication
- Acceptance & support
- Project documentation



FIELD SUPPORT

AuCom is at your side worldwide around the clock with technical support and on-site service – fast, competent and reliable.

- 24/7 technical support
- On-site commissioning
- Courses & training
- Comprehensive troubleshooting
- Individual services



SERVICE CONTRACTS

With our maintenance contracts, you can ensure the longevity and reliability of your engine control equipment – whether AuCom products or third-party brands.

- Individual maintenance solutions
- Minimization of downtimes
- Experienced Global Service Team
- Optimum performance & safety

APPLIED
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MOTOR CONTROL SPECIALISTS

AuCom is a global company specialising in complete motor control solutions. Our Medium and Low Voltage Soft Starters and Variable Speed Drives (VFDs) are engineered to the highest standards.

AuCom is recognised as the world's leading specialists in Motor Control: from concept and design to prototyping, creation of software and hardware, to the finished product. Whether you need basic motor starting or comprehensive motor control and protection, AuCom has a soft starter or VFD that matches.

AuCom's Competence Center for Global Solutions is located in Sendenhorst, Germany and our Low Voltage Competence Center is located in Christchurch, New Zealand. With regional offices in Dubai, Qatar, South Korea, Egypt, the USA, China, Morocco, India and South Africa, AuCom provides service and supplies products in more than 150 countries around the world.

Applied Motor Controls

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