Marine industry

MecVel actuators applications for boats, yachts and ships

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MARINE ENVIRONMENTS APPLICATIONS

Electric linear actuators for naval application, from motorboats to sailboats, to yachts. MecVel products can adapt to operate any movement required in corrosive environments. Thanks to the stainless steel components and surface treatments they are protected from salt, water, wind and sun.

Automatic movements added to hatches, furniture, windows and many other boat elements can increase comfort and versatility while sailing.

WALKWAYS

Control of walkways' electric extension for accessing the ships in any docking condition.

WINDOW OPENING AND CLOSURE TELESCOPIC FORNITURES

Automatic opening and closing of windows for ventilation and lighting.

Easy lowering and rising of telescopic tables, sofas, and beds for space optimisation and better comfort.

BOAT HATCHES & BATHING PLATFORMS

Safe and easy access to engine or storage spaces by electric opening and closing of the hatches, watertight and fire doors.

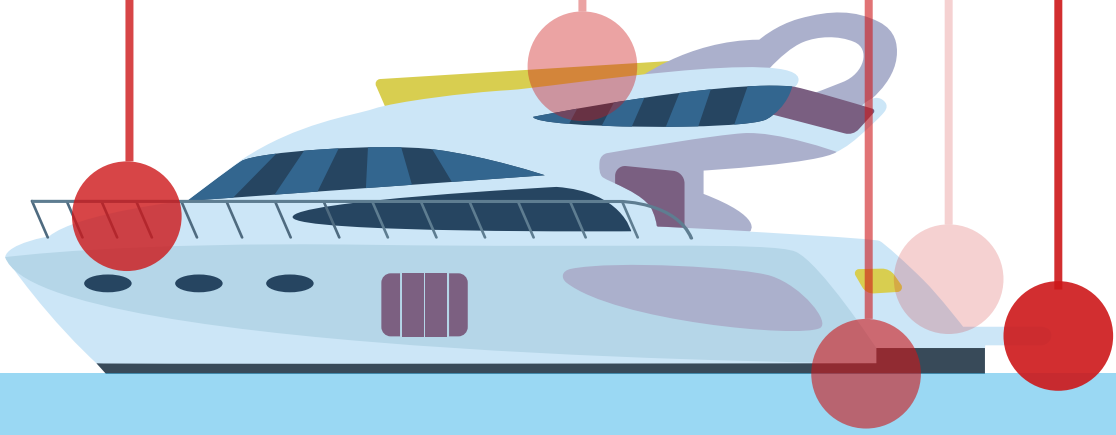
Effortlessly folding terraces and lowering/raising bathing platforms that allow the best access to water in any situation.

FOLDING ROOF

Rolling the roof back and forward to transform the room's use and aesthetic.

RETRACTABLE BOAT THRUSTER

Retractable bow thrusters are easily installed on any boat where the space is not enough to host a traditional tunnel bow.



AGAINST SALT AND CORROSION

To prevent damages caused by salt, water, sun and wind, MecVel provides its product with specific features. Stainless steel push rods, outer tubes, rod ends and clips are used in these kinds of products allowing them to endure saline environments and exposure to the sun for longer periods. This material is very durable even when subjected to corrosion, and it can last long with a little maintenance.

MecVel actuators have reduced overall dimensions as small dimensions can be crucial to fit the limited and narrow spaces in boats.

Electric linear actuators perform their movements silently to not disturb the comfort of travelling and blend in the sounds of the sea.

Lastly, they are non-polluting thanks to the electric system and the absence of synthetic lubricants that might contaminate the environment.

Overall electric linear actuators are an inevitable component in modern boats. Considering the reduced storage spaces on board, they may serve to create retractable systems. The most common spaces where they are employed are dinettes, cockpits and decks to lift or lower tables or beds, and automate the transformation of the same space from an operating area into a relaxing one.

LINEAR ACTUATORS FOR MARINE ENVIRONMENTS

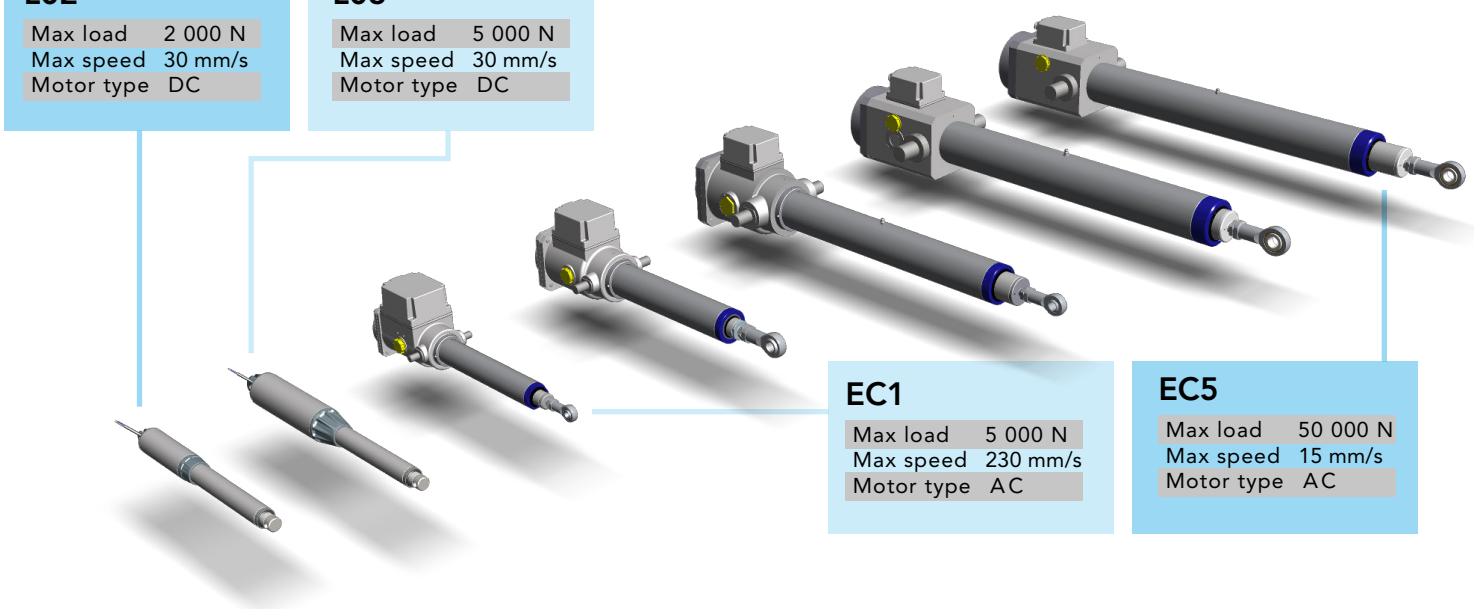
MecVel's range of actuators can easily accommodate the most diverse needs.
With a max load (in push) from 2 kN to 50 kN, the In-Line series satisfies both the compact design and strength criteria.

L02

Max load	2 000 N
Max speed	30 mm/s
Motor type	DC

L03

Max load	5 000 N
Max speed	30 mm/s
Motor type	DC



EC1

Max load	5 000 N
Max speed	230 mm/s
Motor type	AC

EC5

Max load	50 000 N
Max speed	15 mm/s
Motor type	AC

WHO IS MECVEL?

MecVel has been producing electric linear actuators and screw jacks since 1987. These components are developed and assembled in Italy, ensuring the quality of materials and technical expertise.

We also offer a customization service, allowing the client to configure any product to meet the technical specifications of the application for which are intended, giving shape to a performing solution tailored for each customer. Electric linear actuator performances are better as dedicated to a specific function, and that's why MecVel specifically configures its products to perform at their best, even in harsher conditions!

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