

Yachts may be equipped with all sorts of exotic hydraulic equipment but without the hydraulics at the heart of the system, none of this will work.

HYDROMAR has great expertise in the design and production of hydraulic systems on board vessels ranging from small boats to mega yachts, and can therefore guarantee installation of a reliable hydraulic system perfectly tailored to your requirements. This system can be delivered fully commissioned on board complete with electronic PLC system for the whole vessel.



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HYDROMAR can be as your partner in developing your hydraulic installation. Standard installations can be delivered for bow thruster or steering equipment alone, but most projects will include a total package for all hydraulic equipment on the vessel, whether this be a sailing or motor yacht. The hydraulic power pack can be driven by main engine, generator sets, electric motors (24VDC or 400VAC) or a combination of these.

HYDROMAR has developed a systems design based on one integrated hydraulic system for all equipment, but equipped with full backup emergency drive and with full manual overrides for all hydraulic functions.

We not only make custom built hydraulic systems in our own engineering department, and modern production facilities, but also develop specialized hydraulic valve blocks when necessary.

In order to create a safe and reliable system, consuming only the power that is required, our hydraulic engineering solutions are nearly always based on load sensing systems technology. Thanks to the flexibility of the load sensing system it is possible to deliver each hydraulic function with the correct oil flow and pressure it requires, independently of others.

In contrast to our production philosophy of the tailor made equipment based on standards, the system design and integration is fully focused on tailor making to the requirements on board. This is one of our unique selling points. The system integration is developed in close cooperation with the yard.



Powerpack



E-box



Remotes

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