

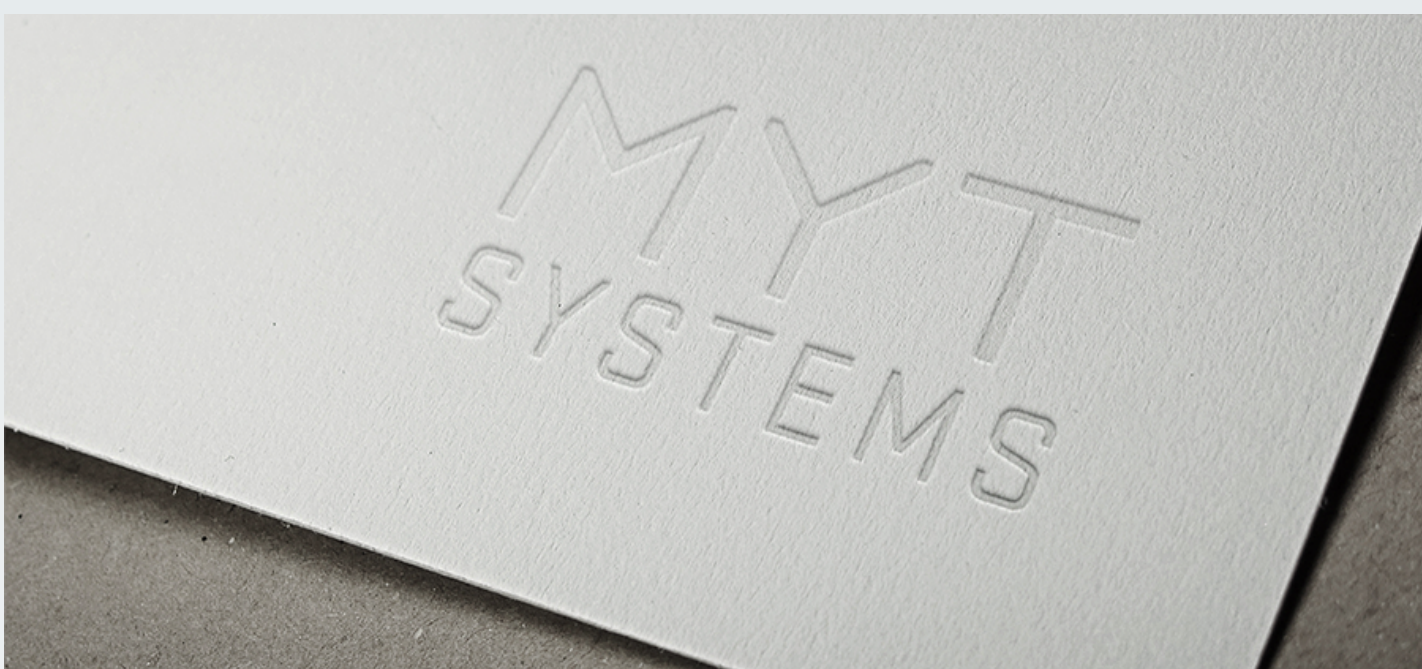


INNOVATION - TECHNOLOGY - EXPERTISE





BRAND



MYT SYSTEMS was born from a collaboration with **Mallorca Yacht Technologies S.L.** and **Monaco Yacht Temptation**.

The new company is thus part of the **MYT Group** which unites the common skills of the three companies, namely techniques in hydraulics, plant engineering, PLC automation and project management.

The group works on **Cruising and Racing Superyachts** in an international panorama that includes the most renowned shipyards in the world and many nautical charter companies.

Thanks to the **skills brought by the professionals of the renewed staff**, MYT SYSTEMS has been able to expand its offer of services for boats and shipyards by providing project and products of greater complexity and quality.





VISION



MYT SYSTEMS looks at the future, strong in that **the synergy between automation and high technology are the most important growth keys for our customers.**

By following this way, **MYT SYSTEMS team** is able to **respond to your needs** thanks to the latest generation products that continue to study and produce.

MYT SYSTEMS supports you at all times along the whole development of the project bringing innovation, passion, competence and seriousness.

MYT SYSTEMS make your needs an integral part of his mission, with the enthusiasm of facing and solving every problem.





SYSTEMS

HYDRAULIC SYSTEMS

ELECTRICAL SYSTEMS

PLC MONITORING
SYSTEMS

SERVICES

ENGINEERING

PLANNED INSPECTION

AFTER SALES SERVICES

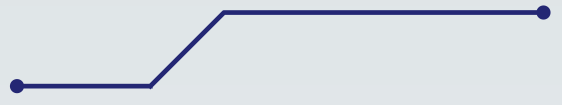


*We start every job by
listening to your needs*





HYDRAULIC SYSTEMS



The great success of hydraulics in the nautical field is due to the significant advantages that this technology offers, in terms of **great power concentrations paired with excellent control and regulation capacity.**

MYT SYSTEMS **study and outline your project starting from the necessary hydraulic power.**

With few initial data, the **designers are able to dimension pumps, lines and configure the manifold with flow and pressure setting in accordance with the loads and the technical specification.**

In partnership with the best manufacturers of the hydraulic component, MYT SYSTEMS offers control units for sails, winches, rams, cranes, transom doors, side boarding ladders and gangways, and thrusters.

The **result is from highly automated system,** which limits operations required of the crew to the use of buttons positioned in suitable locations on the boat.

Furthermore, **the integration of innovative technologies such as electronically controlled PTOs** and proportional valves allows to achieve top performances in various race and cruise configurations.



ELECTRIC SYSTEMS



Electrical power supply and management, functionality and comfort on board.

With high specific skills and great attention to safety, **MYT SYSTEMS designs or optimizes your boat electrical plant**, by integrating power management systems to ensure high efficiency whether you are in port, at anchor, cruising or racing.

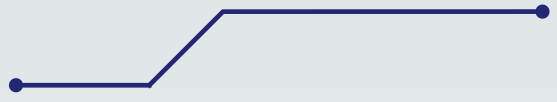
To guarantee sustainability, **health and safety**, MYT SYSTEMS also carries out dispersion analysis and electromagnetic fields study. MYT SYSTEMS guarantees you excellent expertise and the highest quality standards in all the materials and technologies used.

MYT SYSTEMS designs, provides and installs, AC/DC switchboards, navigation light control panels, emergency switchboards, shore power converters or insulation transformer, Led Light systems.





PLC & MONITORING SYSTEMS



By integrating hydraulic automation with electronics, MYT SYSTEMS centralizes in the PLC the management of the power destined to various different users, through appropriate sequences, Synchronization, contemporaneity and working times.

MYT SYSTEMS **installs completely new or upgrade existing PLC systems and provides solutions that are modular and scalable in terms of both hardware and integration of new controls, thanks to touchscreen interfaces.**

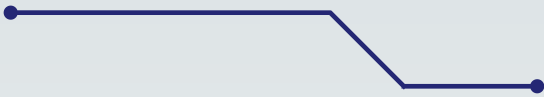
MYT SYSTEMS always works with simplicity in mind, intuitive graphics and components produced by the best companies.

The solutions that MYT SYSTEMS **offers allow the captain or owner to check the boat's electrical and hydraulic systems** from a unique point, allowing for remote control over energy management, tank levels, alarms monitoring, zero-emissions cruising, seamless transfer between power sources, propulsion, and more.





ENGINEERING



Thanks to **several important partners, leaders in their fields**, MYT SYSTEMS is always update upon the state of the art of many components in order to propose vanguard solutions.

MYT SYSTEMS is **always focused upon the project** that he is facing taking care of details and customer satisfaction. In addition to the design of hydraulic and electrical schemes.

MYT SYSTEMS **has a production department able to install the systems both in new building both in retrofit project.**





PLANNED INSPECTION

Inspection of the machinery and systems on board is crucial for to maintain in good condition the boats with regular maintenance.

MYT SYSTEMS **can perform several type of inspection** in order to check and evaluate the condition of your systems and provide technical reports with the best solution based on your need. MYT SYSTEMS engineers **survey and controls the projects** of the systems which design and can even provide its expertises making management and supervision on the installations made by other contractors.

AFTER SALES SERVICES

MYT SYSTEMS offers to its clients **a thorough after-sales** service on implemented systems, ensuring prompt response to crews that need the advice of MYT SYSTEMS' engineers to **solve problems that arise on board**. Whenever possible, MYT SYSTEMS intervene on monitoring and control systems remotely, via computer and internet connection, communicating with the PLC and installed networks.

In all other cases, MYT SYSTEMS **reach the boat in any harbour** in the world that has been agreed, to analyze and tackle the issue as necessary. The strong relationships that MYT SYSTEMS has with the producers and distributors of the components ensure a timely supply of spare parts. For major sailing events, MYT SYSTEMS **guarantee our clients our presence at the dock and, if required, timely assistance on board**.

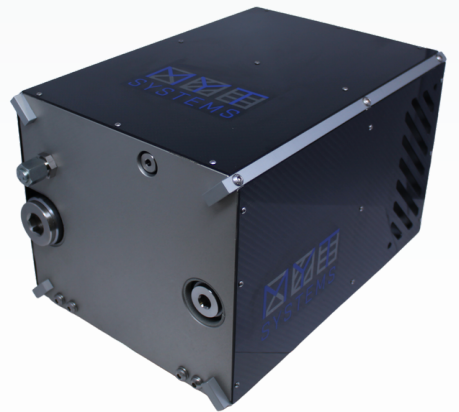
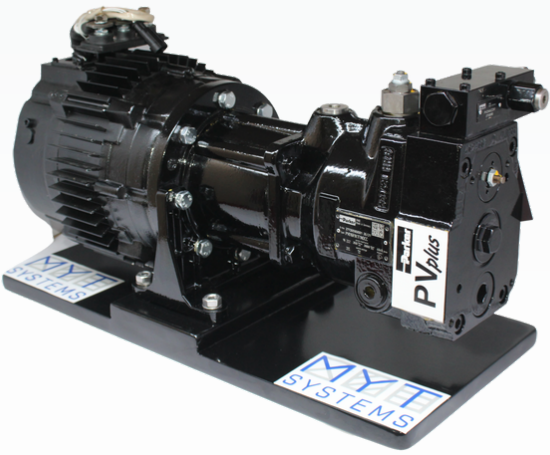


PRODUCTS



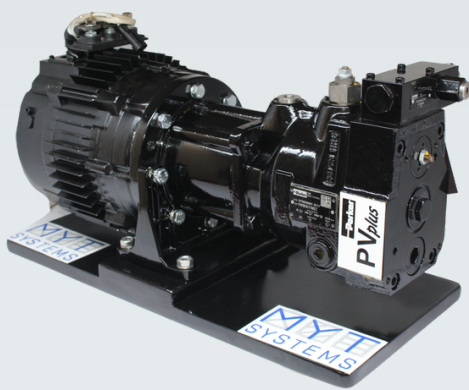
MYT SYSTEMS' products are the result of **years of experience in the field and research in order to accomplish the maximum efficiency in terms of performance, control, reliability and lightweight.**

MYT SYSTEMS **designs, assembles and installs effective power packs in different models, configuration and voltages.** Another flagship in products' portfolio is the HMI (Human Machine Interface) Touchscreen Control Panel which allows, tanks to the PLC automation, an easy control of the whole hydraulic system.

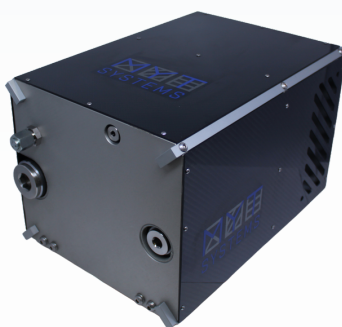




HYDRAULICS POWER UNITS

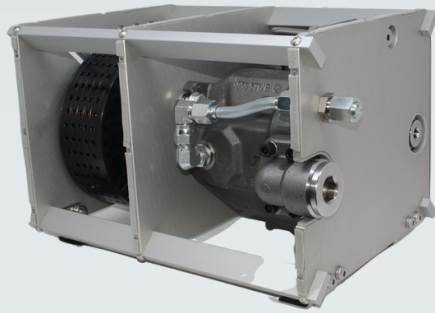


MYT SYSTEMS delivers high-efficient **power packs that can satisfy any need thanks to their reduced footprint and high power density.** In fact, their compact design is ideal both on new builds and as a plug & play solution for replacing an existing power pack allowing an easy installation in any type of location. Two different models of MYT SYSTEMS power packs are available: **AF-LSCP and RF-LSCP.** These models can be produced in stand-alone solution or inside tank solution. **MYT SYSTEMS power packs are obtainable in different voltages and so reach different power values.**





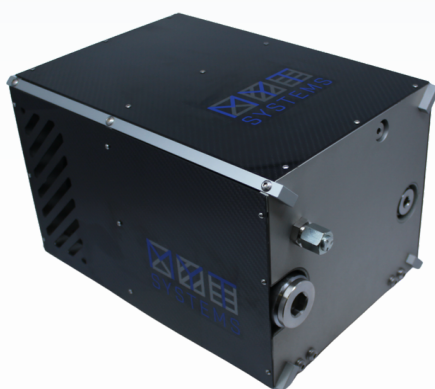
MYT SYSTEMS AF-LSCP



The MYT SYSTEMS AF-LSCP power pack has been designed with the highest technology components in the market as the axial piston variable pump with constant power and hydraulic load-sensing. **Load Sensing Pumps are one of the most interesting products in industrial hydraulics** because, with just a few tweaks, it is possible to get a surprising improvement in efficiency and responsiveness.

Furthermore, thanks to our continuous investigation and strive for improvement, we introduced permanent magnet electric motors with axial flux from the automotive field that gives this power pack model, one of the highest power densities on the market without compromising its performances.

This model is widely customizable with different frame and panels materials and configurations, distinct cooling systems and different voltage ranges.

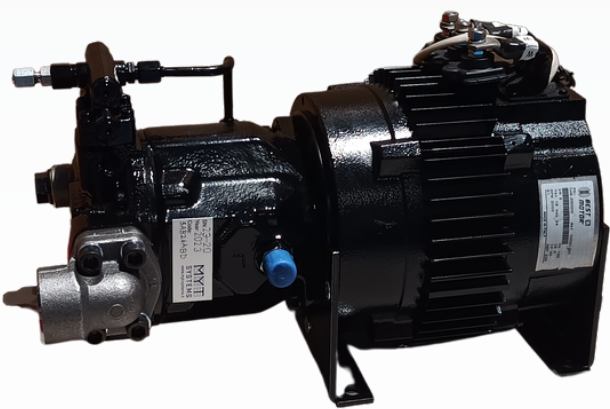




MYT SYSTEMS RF-LSCP

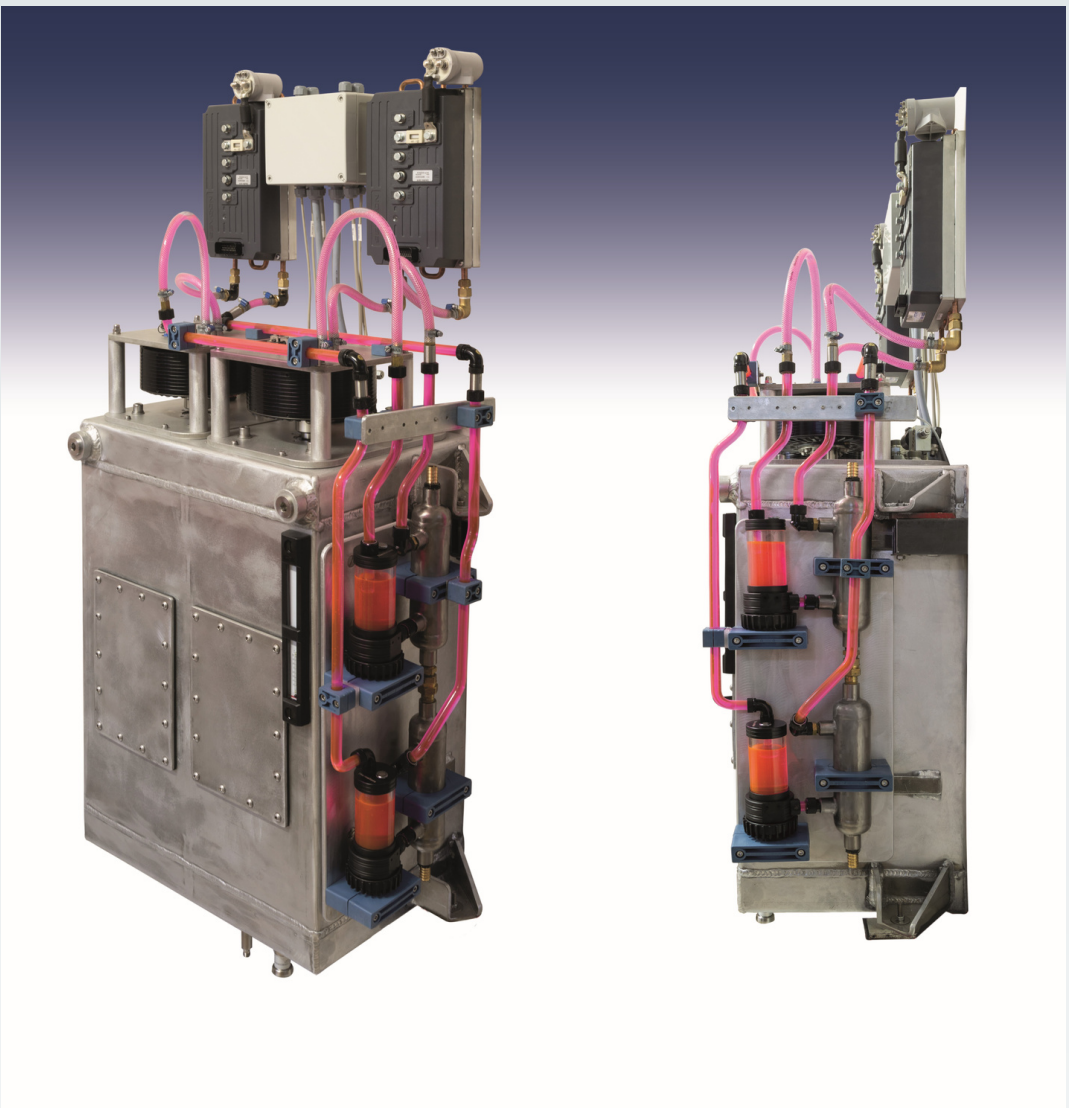


The **MYT SYSTEMS RF-LSCP** power pack provide **high performance thanks to the combination of its three phase electric motors and its axial piston pumps, the most efficient components in the hydraulic systems market.** The pump is the variable displacement type with swash plate type, power control and load sensing, the best solution for this kind of application in an open circuit. The motor is a permanent magnet synchronous radial flux and it is managed by a controller with the highest technology and features on the market, suited both to the motor and the required operating characteristics. **It is fully implemented by temperature sensors monitored by the controller and a sinusoidal sensor that provides position, speed and direction feedback for the motor controller.**





POWER PACK IN-TANK



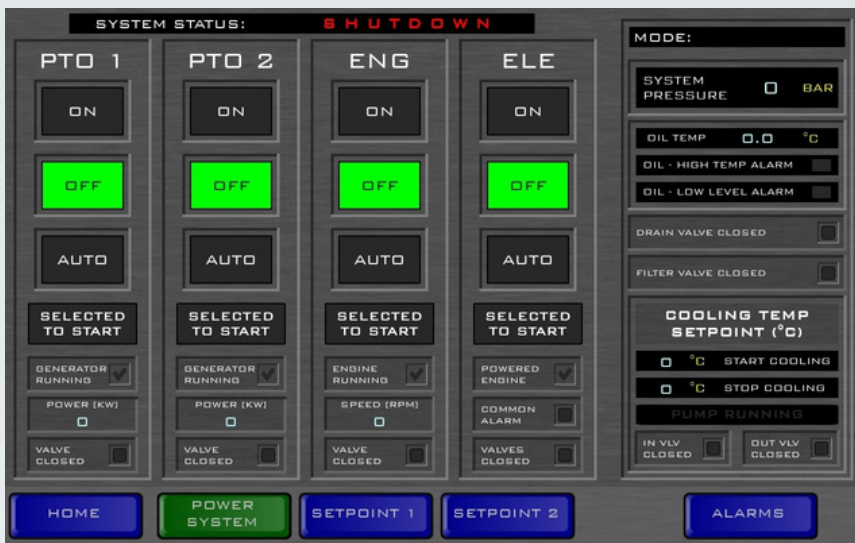
With the same components of the previous stand-alone power units, **MYT SYSTEMS provides power packs with the pumps enclosed into the oil reservoir.**

The IN-TANK models are complete hydraulic power units composed of axial piston variable pumps with LS controller submerged into the oil tank, permanent magnet electric motors, titanium heat exchangers for the oil cooling and high-quality motor controller.





HCS-AMS & PMS



The **synergy with the best electronic hardware suppliers** allows MYT SYSTEMS to offer the most advanced equipment in terms of system automation. MYT SYSTEMS **provides Hydraulic Control Systems, Alarm Monitoring Systems and Power Management Systems** implementing the latest PLC technology and software developing tools allowing to obtain highly flexible, reliable and efficient systems without compromising **weight**. For example, a Hydraulic Control system monitors, controls and visualizes all the main aspects of the hydraulic system: power sources and power users, electro-valves, input signals, safety features and alarms. Furthermore, the leading-edge technologies in terms of communication are proposed to our systems by implementing various bus protocols. MYT SYSTEMS **offers tailored solutions, with a Master PLC and remote slave nodes strategically installed on board in order to reduce the amount of cabling and simplify the installation.**





HMI TOUCHSCREEN CONTROL PANEL



Human Machine Interface provide the control by which a user can operate directly to the power distribution system and the functions of the boat.

HMI encompass all the actions that can be made on the onboard functions, the settings of the main parameters, the alarms and can provide the operator feedback on those actions, functions, alarms.

HMI became an **indispensable device to integrate into onboard systems to simplify navigation and ensure safety onboard.** The whole hydraulic system and automation can be easily controlled and monitored using as interface an innovative touchscreen control panel.





Ph: "Courtesy of Southern Wind Shipyard"
SW96-Nyumba



Ph: "Courtesy of Southern Wind Shipyard"
SW105RS SØRVIND



Ph: "Courtesy of Southern Wind Shipyard"
SW108 HYBRID





Ph: "Courtesy of Perini"
Andromeda la Dea



Ph: "Courtesy of Southern Wind Shipyard"
SW100DS FIFTY FIFTY



Ph: "Courtesy of Southern Wind Shipyard"
Aragon





Via Borzoli, 39-130P - 16153 -
Genova - IT
+39 0185 380903
www.myt-systems.it
info@myt-systems.it



Calle Jesus, 60
07010-Palma de Mallorca - Islas Baleares
+34 871 702261
www.myt-systems.com
info@myt-systems.com

