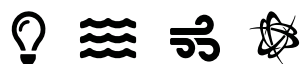


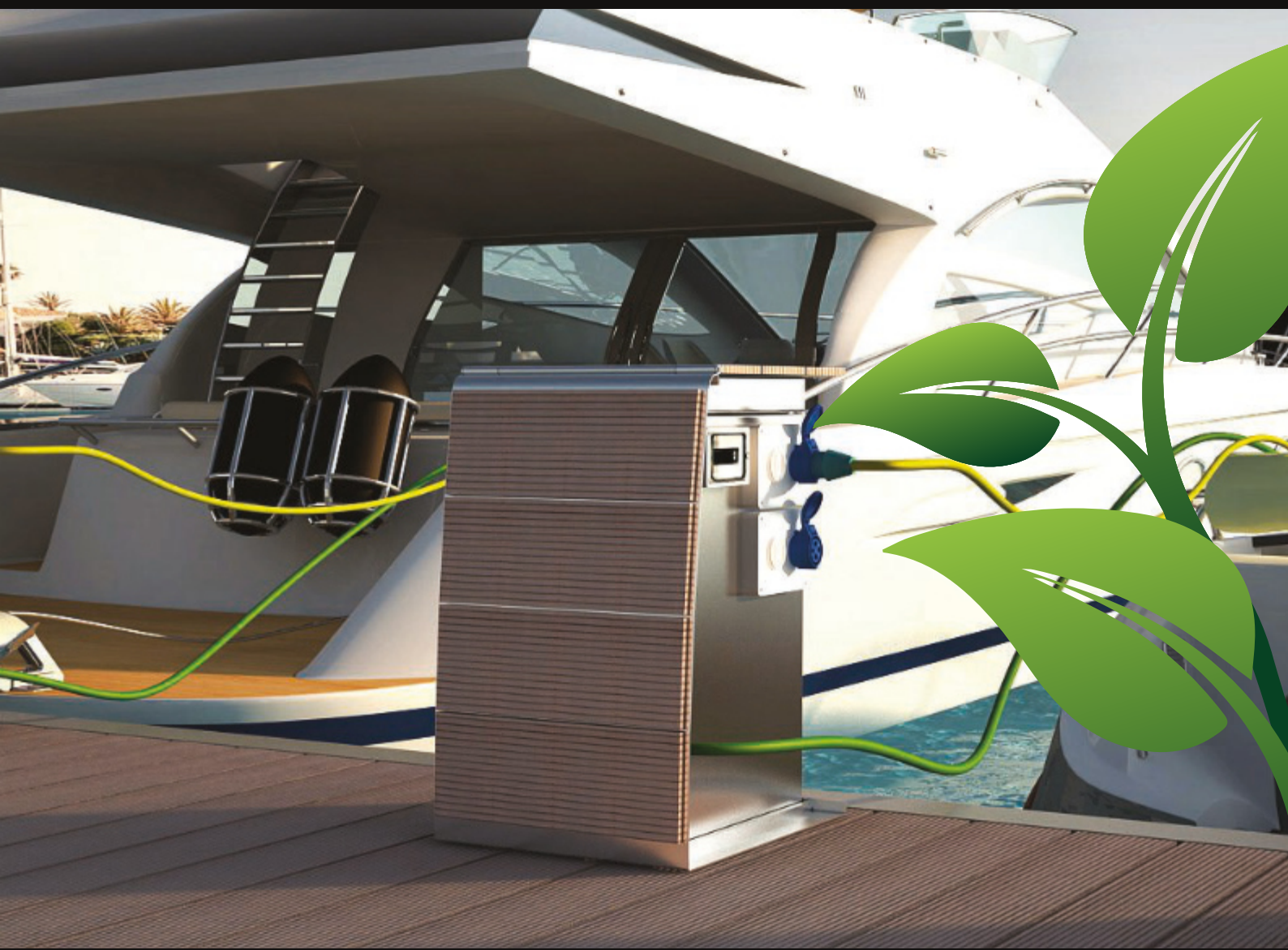


SMART POWER PEDESTAL

The connection to the energy of the future



THE INNOVATIVE POWER PEDESTAL FOR PORTS AND MARINAS



www.leonardopedestal.it

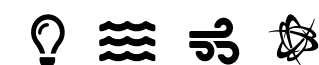


“The concept of mobility, however, is taking a new direction that points to sustainability, preservation, innovation. A radical and immediate transition is not feasible: the transition to electric must be fair and harmonious for everyone.”

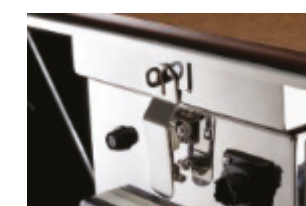


SMART POWER PEDESTAL

The connection to the energy of the future



MADE OF SOLID 316L STAINLESS STEEL
WPC SLATS



IP67 INTERLOCKED SOCKETS
16A-250A

INOX 316L QUICK -
CONNECTING TAPS



TYPE 2 FROM 7.4 TO 22 KW
FOR ELECTRIC BOATS

EUROPEAN PATENT

US PATENT

MADE IN ITALY

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MODULAR POWER PEDESTAL



The connection to the energy of the future



MODULAR POWER PEDESTAL

UPGRADE
A/C



THE POWER PEDESTAL - Leonardo is an innovative power pedestal for ports and marinas and the only one able to ensure a gradual transition to electric. It has an eco-sustainable structure, solid and modular, adaptable to the needs of the marina and boaters. The components, being removable, can be easily replaced allowing you to lengthen the life cycle of the power pedestal without resorting to total replacement. Leonardo is created with environmentally friendly and recyclable materials, maintaining an innovative and attractive design that can be customized according to the color of the slats of the decking.

MODULARITY - Thanks to the modular system of the electric box, you can quickly change the layout of the electrical sockets, without having to change the entire power pedestal. This allows boaters to switch from endothermic to electric engine without having to lose their berth. In addition, during the months of non-use, through the empty electrical boxes, it will be possible to winterize sockets and electrical components, preserving them from salt and bad weather.



MODULAR
ELECTRIC BOX



THE REVOLUTION OF YACHTING

Leonardo smart power pedestal in addition to the classic supply of electricity and water, has additional innovative services: an air conditioning system that can be connected to the boat and an interactive PC panel that displays information, advertisements, maps, videos, music.

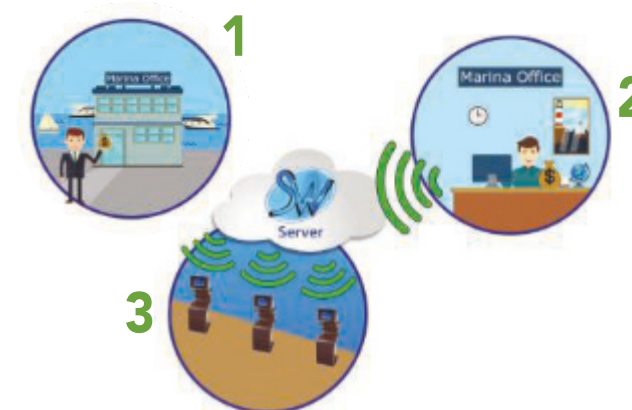


AIR CONDITIONING SYSTEM – 90% of the small boats on the market, for economic reasons or space, does not have their own air conditioning system. Leonardo offers boaters the opportunity to rent it. It consists of an external unit inserted in the power pedestal, an internal unit (split) to be placed on the boat and a 10/15 mt. pipe as a connection. You will have all the advantages of an air conditioning system, without incurring the costs of purchase, installation and maintenance.



INTERACTIVE MONITOR – The monitor is a IP 65 PC Panel dust and waterproof, created specifically for outdoor use and equipped with high brightness, anti-vandalism system and built-in wifi. It is managed by the seawolf software, which allows you to display advertisements and at the same time to offer an information service to boaters.

ECO-FRIENDLY – Leonardo is made of 316 L stainless steel with supermirror treatment, which recalls the accessories of the yachts and is decorated with WPC slats, the same that cover the pontoons, in order to create a chromatic continuity. In addition, these materials are durable, safe and 100% recyclable.



ELECTRIC BOATS

OCEANS - cover about 70% of the earth's surface and are an essential element for the economic and environmental development of the planet. Climate change and environmental degradation are huge threats for Europe and for the whole world. However, some research claims that the marine industry is responsible for more than 40% of air pollution on Earth. This is because of its strong dependence on fossil fuels. More recent data related to the European Union, state that 25% of emissions in Europe is due to transport, of which 5% is given by shipping, which pollutes in large quantities in a localized way. In 2018 the International Maritime Organization (IMO) has completed the first steps in order to try to stimulate the use of less polluting fuels and the adoption of innovative technologies in the nautical field. The objectives are to halve greenhouse gas emissions in maritime transport by 2050.

The turning point is in 2019 with the Green Deal, a collective European mobilization to achieve a zero emissions economy in any sector. Billions of euros have been allocated to halve emissions by 55% by 2030 and achieve climate neutrality by 2050. "The European Green Deal is also our lifeline to leave the COVID-19 pandemic behind".

THE TRANSFORMATION - In 2020 the European Parliament added: "maritime transport affects climate change, marine biodiversity, air quality and public health due to carbon dioxide (CO2) and other emissions such as methane, nitrogen oxides, sulphur oxides, particulate matter and carbon black". It is therefore a race to adopt measures at European and global level to reduce emissions from maritime transport in order to save the planet from further environmental and climate threats.



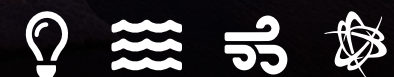
*The connection to the
energy of the future*



THE FUTURE OF PORTS

How can you concretize a "sustainable boating"? In order to achieve sustainable boating it is necessary to invest in innovative technologies for the production of clean energy, for an increasingly less polluted environment and for an increasingly safe sea. This affects not only the construction of boats and engines, but also everything related to ports and activities related to them.

It is therefore very probable that the ports will be between the protagonists of the next objectives of the European norm. Strategies are needed to make ports a facilitator of the energy transition. Consequently, it is possible that they are solicited of the participations in order to develop ports to zero emissions through investments in structures of refueling and recharge. The economic investments and the relative timing regarding the transformation of the ports are still unknown, but is hypothetical that this passage will be tried in the shortest possible period, at the expense of a smooth and harmonious transition that facilitates marinas and boaters.



THE SOLUTION - Leonardo wants to be a **link between the past and the future of ports**, overwhelmed by enormous changes that are difficult to manage in an economically sustainable way.

Replacing all the traditional pedestals with charging stations in one time is an impossible operation and the marinas should set up areas reserved for electric boats forcing the boaters to "migrate". **A radical and immediate transition is not feasible:** the transition to electricity must be fair and harmonious for all.



BEFORE

MARINAS- they must invest in charging stations for boats with electric engines, although there are still few yachts that can actually refuel.

BOATERS - if they buy an electric boat, they will have to leave the mooring in search of another one that offers an electric supply, losing the sociality that has built up over the years with the neighbors.

AFTER

MARINAS- they will no longer have to replace the power pedestal in their entirety: it will be enough to replace the modular electric box keeping the power pedestal.

In this way, they invest proportionally to the increase in electric boats, save economic resources and meet the needs of customers.

BOATERS - They will no longer have the fear of losing their mooring if they buy an electric boat. Leonardo will allow them to keep mooring friends close, asking the marina to update the power pedestal with a charging station box.



Leonardo

FOR ELECTRIC BOATS

The Leonardo charging station is made of high quality anti-corrosion stainless steel for charging with powers up to 22 kW. The charge control system allows you to connect the charger to the Internet or control it via an RFID tag.

Security and certificates

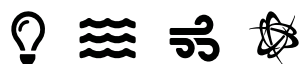
All charging stations are tested to ensure their safety. The test is carried out individually meeting the international standards IEC 61851-1 and IEC 62196-2 16A. In the European Union the charging station is CE and TUV certified.





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