

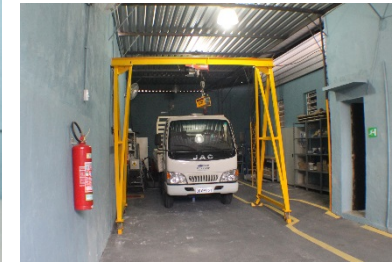
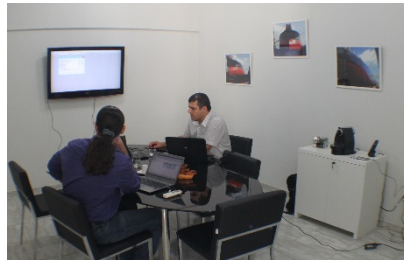


Workship do Brasil is a company focused in naval Maintenance, specialized in ICCP and MGPS Systems as well as Ballast Water Treatment Systems.

With 8 years in marketplace and recognized by its excellence, it has experienced Technical Department in repairs, specifications, installations and spare parts supply from its local stocks.

Our Operational Base and Stocks are located in Niteroi city.

Our Engineering and Managing office is based in Rio de Janeiro city centre.

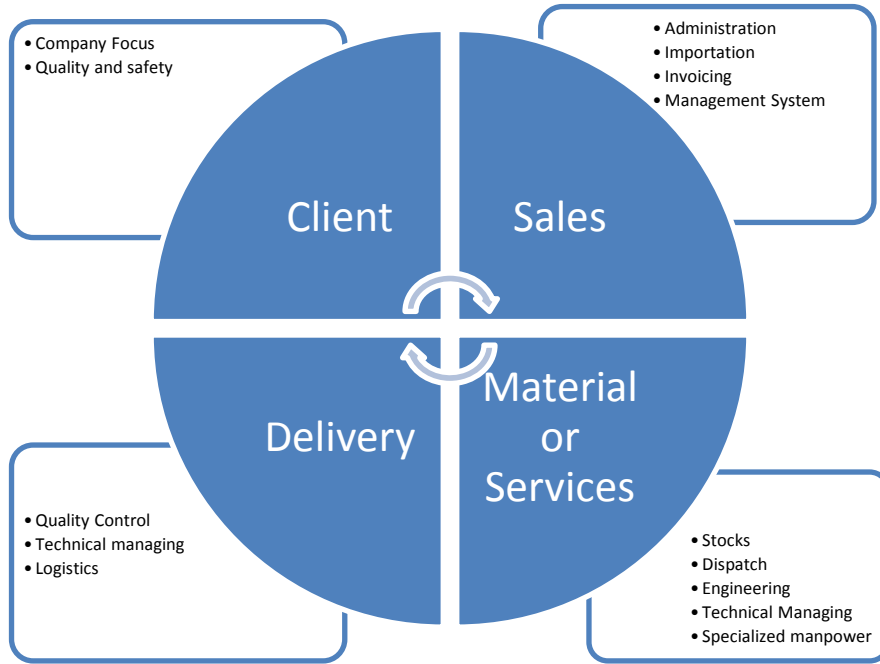


Office in Rio de Janeiro City Centre and Operational Base in Niteroi.

Presentation



# Organizational Structure

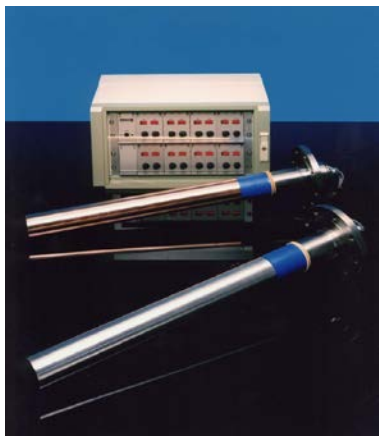


# Clients

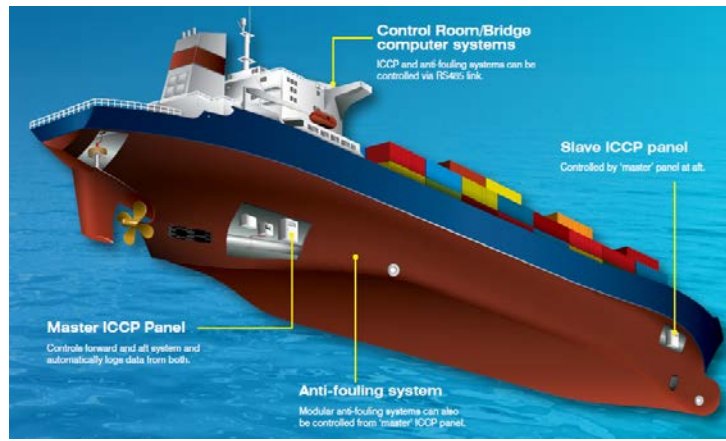


# Organization and Clients

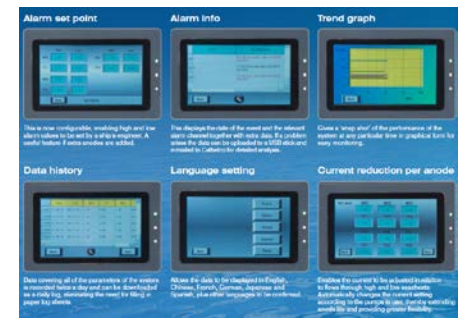




MGPS Systems to avoid bio fouling settlement in seawater pipework. Promote the correct working of heat exchangers and firefighting piping, also helping reducing corrosion rates.



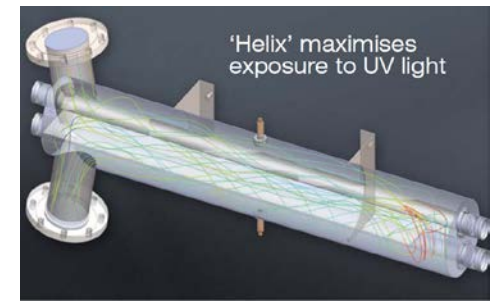
ICCP Systems to inhibit corrosion in submerged hull. Automatic operation through sensors and control panels, monitoring and correcting in real time the passivation conditions of hull.



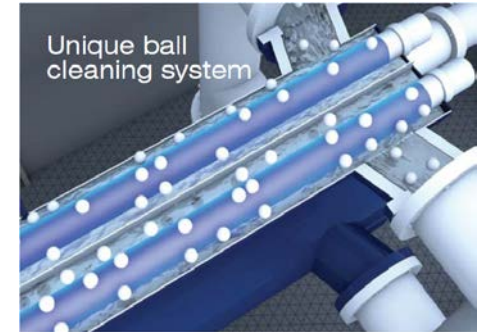
New touch screen panels with autosave and alarms features.



Sacrificial anodes 100% local fabrication according to NBR 10388

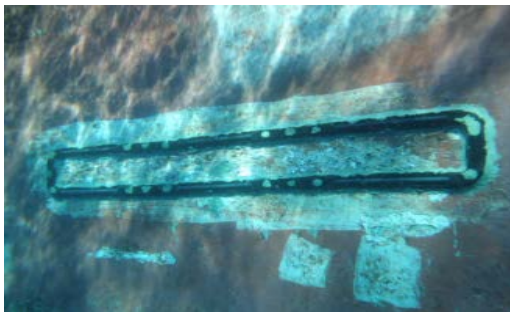
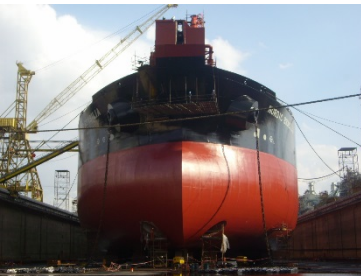


IMO Type Approval – Ballast Water Treatment Systems – new IMO regulation, mandatory for all types of vessels.  
Based on Filtering + UV.



Products Family – Ballast Water Treatment System





Anodes substitution in drydocks or offshore.

Specialized Technical assistance in ICCP +  
MGPS + BWT.

Upgrades, Technical Specifications and Project  
Execution Services.

## Annual Certification of ICCP & MGPS Systems

**Petrobras Exigency, Port State, Class societies.**

Annual Revision of ICCP System is recommended by class societies, makers and environment entities. Lack of certification could cause annotation of class, Brazilian Navy and Petrobras as a pendency. In some cases, can also cause an Off Hire situation as already experienced by some costumers.

ICCP Certification is important to owners as guarantee the efficacy in corrosion inhibition of submerged hull. Serious environmental accidents has been registered due to corrosion.

In the same occasion, the MGPS system is also certified, avoiding bio fouling formations in seawater pipework, keeping the performance of heat exchangers from ME, AE, thrusters, etc.

Certification is performed by a team of 02 technicians, with own resources, without need of big mobilization of materials, equipment or submersible devices. Normally, 02 days onboard are enough.

Workship offers the annual certification management, controlling the due dates by own control system and also log sheet analysis of the systems, both free of charge.

Services Family – Annual Certification, Repairs,  
Upgrades and Drydocks.

