



PROPULSION SERVICES

Landseaair.com.br



A TEAM OF ENGINEERS WITH OVER 20 YEARS OF EXPERIENCE IN PROPULSION SYSTEM

We live in days of constant change, which require fast and reliable actions. In search of solutions that fit the current market needs, Landseair was founded with the purpose of providing complete planning, maintenance and mechanical repair services, which include solutions to problems that affect the propulsion systems of the most varied manufacturers.

Landseair have a team of engineers with over 20 years of experience in propulsion, with training and expertise proven by world-class companies in the segment of propulsion and integrated solutions for the maritime market.

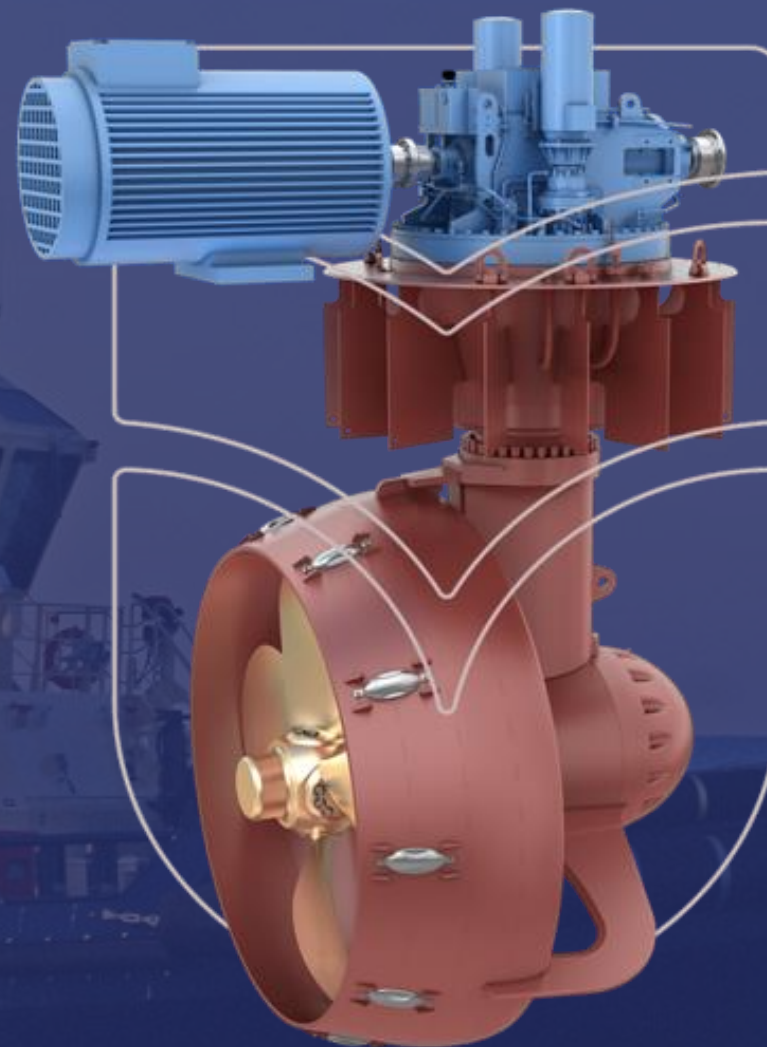
It is with great pride that Landseair opens up a path of new possibilities, towards a more efficient support that adds innovative way of work and high quality services and transparency to our customers.

SPECIALIZES IN

- Project planning
- Technical and spare part recommendation
- Azimuth Thrusters major overhaul and troubleshooting
- Bow & Stern Thrusters major overhaul and troubleshooting
- Propeller Repairs (including extensive damages)
- Sterntube Seals (retrofits and upgrades)

OUR DELIVERY

Whatever segment of the maritime industry you work in, breakdowns and unplanned interventions will always cost money. That is why your company deserves the best service support. This is exactly what our service team and engineers are focused to deliver. They are multi-skilled, experienced, reliable and customer oriented.



ON DEMAND

THRUSTERS (AZIMUTH, BOW & STERN)

Your maintenance will be planned in the best way applicable to your operational profile. But sometimes you will need emergency support and a dedicated team. We can work at both ways, with scheduled/planned projects as with an emergency stoppage and repairs.

In dock, floating or even underwater. It will never be an insurmountable barrier. We have the experience, knowledge and skills to work on your vessel in any circumstance. LSA provides as well an equipped workshop for more extensive interventions at in-house repairs.

SOME OF TASKS

- ✓ Complete Thrusters overhaul
- ✓ Propeller Hub inspection and repair
- ✓ Propeller Shaft and Blade foot o-rings replacement
- ✓ Top and Pinion Shaft seals replacement
- ✓ Bearings replacement
- ✓ Inspection, test and overhaul of OD box
- ✓ Gear Set inspections
- ✓ Blade repair





DRY-DOCK INTERVENTIONS

We are able to support you to plan your dry-docking intervention and Propulsion repairs. The best time to carry out inspections and maintenance is when having the vessel in dry-dock. LSA team and engineers are multi-skilled, and they can work with Azimuth Thrusters, Tunnel Thrusters, Controllable Pitch Propellers and Sterntube Seals. Your Vessel Manager will be assisted/supported by one LSA point of contact – A skilled engineer to supervise and coordinate the field service and workshop activities.



UNDERWATER INTERVENTION & THRUSTERS SWAP

Our specialized team can provide planning, engineering, project management, project supervision, including: Strand-Jacks, Tug boats, Crane barges and a DNV class approved dive team capable to remotely and on-time transmit the diving operations using the *LANDSEAAIR - 3 Diver Portable Panel With 3 Diver CCTV System – CPB3D2H1LVRL* and the *LANDSEAAIR Diving Container DCP3D1L6HAV-RT*.

ADVISORY AND CONSULTING SERVICES

We offer an extensive range of propulsion services covering multi-type of thrusters to guarantee the success of your project.



PROPULSION TOOL CONTAINER

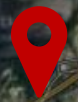
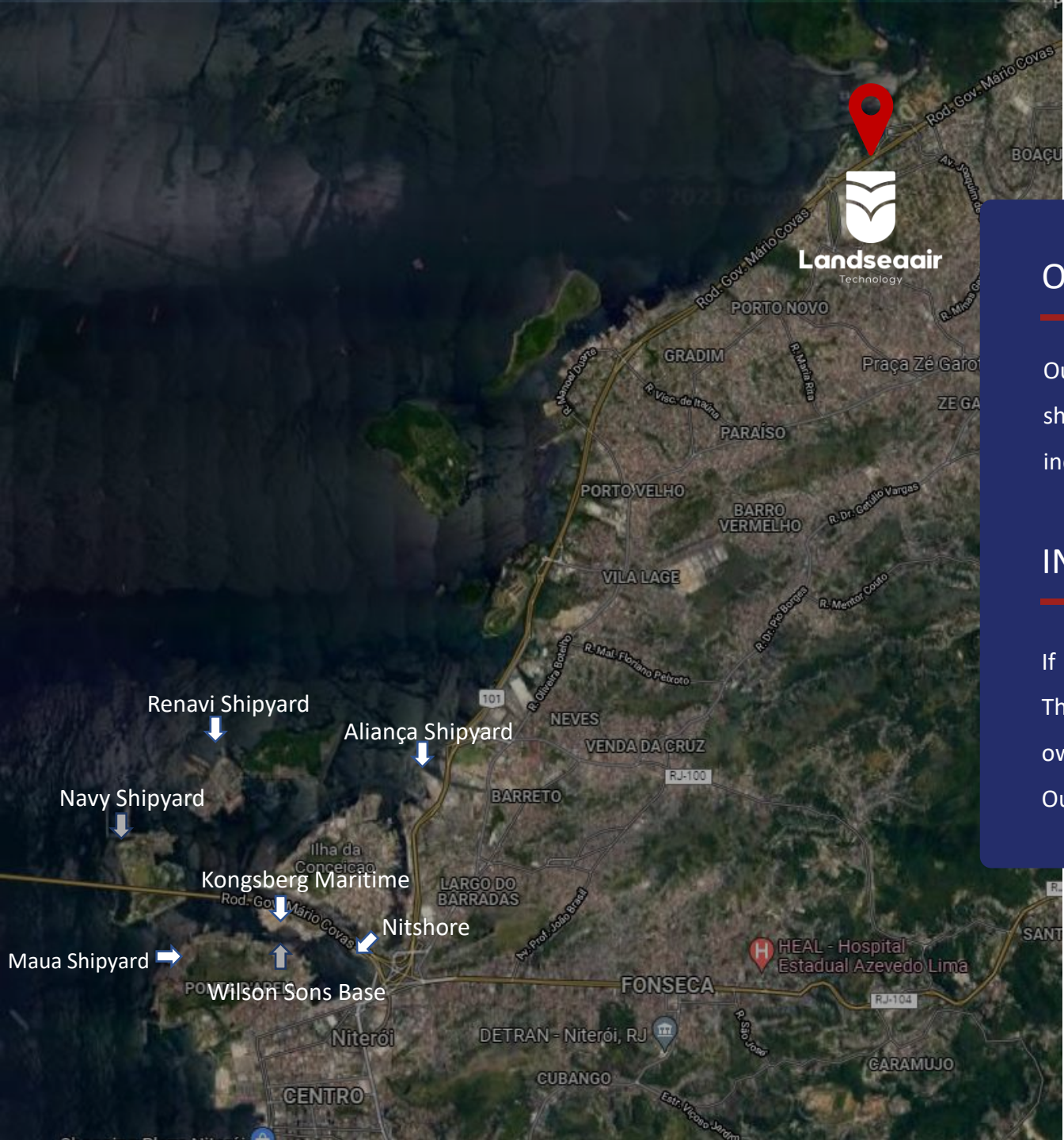
Our container is equipped with different type and size of tools needed to perform field services activities.

We can adapt and include special tools to meet the most varied customers demand.

The services and needs of our customers are not always at locations that allows an in-house service in the LSA workshop. For these cases, our customers can count on our support and have our tool container wherever they need it.

INCLUSIONS:

- Various types of hand tools
- Hidraulic pumps and tools (high pressure)
- Hytorc pumps and accessories
- Lifting equipment with varied capacity
- Mearuse and precision tools



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OUR WORKSHOP

Our workshop is located at a very strategic place. Close to the main shipyards and companies that gives service support for the maritime industry in Rio de Janeiro.

IN-HOUSE REPAIR

If an on-site repair is not possible, we can remove equipment such as Thrusters and Propellers for more detailed and specific repair in our own workshop.

Our engineers are experienced with all major brand names/makers.





LANDSEAIR FACILITY

- Comprehensive repair and overhaul capability.
- Consistent quality and technical support standards.
- 1.850 sqm covered area for service, tools and parts storage.
- Skilled Brazilian engineers – supporting the Brazilian market and South America region in general.
- Capability to support a variable range of propulsion equipment (overhauls, repairs, troubleshooting, onboard repairs & maintenance).





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