

NAVAL PUMP SOLUTIONS

Powering a better future



Solutions for the zero-carbon transition

SVANEHøj
— An IIT Company



Navy & Governmental Applications – Resilience by design

Hamworthy Pumps solutions can meet the most demanding requirements for Navy & Governmental Applications. Reliability, durability, and the ability to meet special demands towards noise reduction and vibration resilience. Hamworthy Pumps has a long history as a supplier for naval vessels, both new build and replacement.

At Svanehoj Singapore our experience and capabilities understand what is important and crucial to the naval sector. We are a leading designer, developer, and manufacturer of advanced marine fluid handling systems. Every day our solutions prove themselves, quietly and efficiently, on a significant number of naval vessels around the world.

It is all about knowledge and understanding the ways of working. We are used to meet very high standards and have references with both the UK military and the US military highly specialized naval vessels.

Our solutions meet new build requirements, both above and below water, and we supply advanced pump technology for all types of military vessels:

- Destroyers, frigates, corvettes
- Submarines
- Fleet support vessels
- Aircraft carrier

Our combination of high-quality products that meet naval requirements, along with excellent around-the-clock technical support and aftersales service, makes us a preferred provider.

Find our products and solutions within the areas of Engine Room Pumps, Cargo Oil and Ballast Pumping Systems, Fire Water Pump Packages, Exhaust Gas Cleaning Pumps and Offshore Products, as well as Global Sales and Aftersales Services at www.svanehoj.com

Advanced tailor-made solutions meeting customer requirements

At Svanehoj Singapore, we work collaboratively with our competent client and project management team members. This ensures that every customer requirement is met with an end-to-end solution, from the initial CAD design stage through to certification and handover.

Knowing the demanding challenges within the navy, we know how our organisation and the solutions we design constantly have to adapt to operational needs and capabilities.

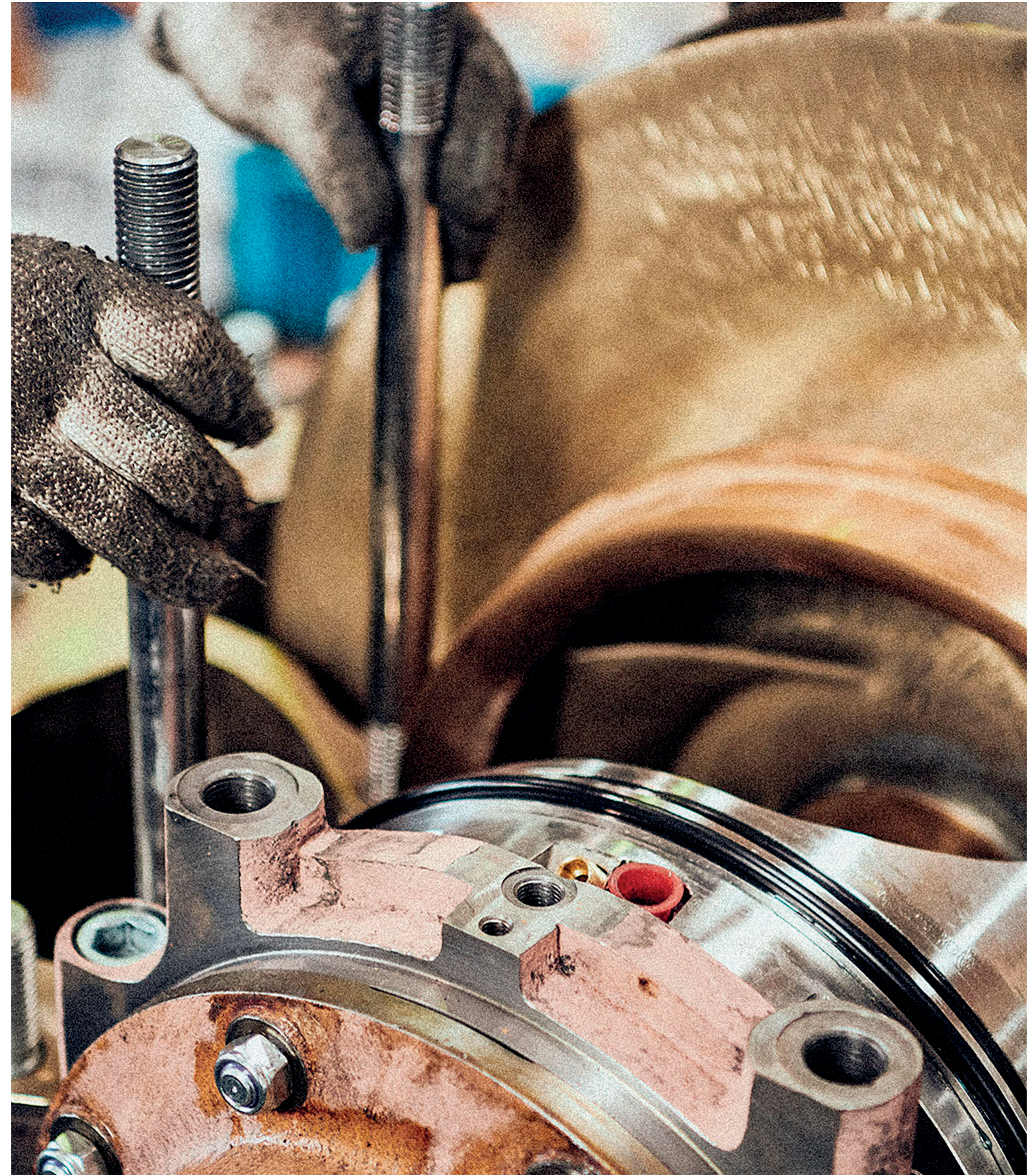
Pumping solutions for navy vessels meet special specifications and are noise and vibration tested to make sure they are quiet and able to withstand the shock of arduous battle situations. Our highly skilled project engineers are experienced in tailor making the solutions ensuring they meet the specific requirements.

Svanehoj Singapore has developed upgraded versions of the pumps fitted with cartridge mechanical seals. This gives the pumps improved serviceability as well as flexibility in seal solutions. Short downtime of equipment is critical, and the cartridge seal solution provides the

best solution for fast turnaround using preassembled seal cartridges. Another benefit of the cartridge seal is that the pump can be fitted with single or double mechanical seal depending on the which fluid application the pump is used for on board.

Svanehoj Singapore design whole Ship Marine Pump Solutions for new build projects. From Engine Room Pumps (ERP) to Diesel Driven Fire Pumps (DDFP) and Obsolete Equipment Replacement Programmes.

We also deliver fully integrated logistic support and aftersales parts and replacement pumps for international navies around the world, wherever and whenever they need them.



Global lifecycle support from industry experts

Short lead times are critical to maintain operational capability for naval vessels. It is a focal point for Svanehoj Singapore, always to have the correct spare parts in stock to ensure fast delivery times and reduce the downtime to a minimum.

Svanehoj Singapore has delivered pump solutions for more than a hundred years, and we will continue to be able to deliver spare parts and technical support in the future.

Our aftersales and servicing provision meet the requirements with a strong setup for around the clock service, support and aftersales. With a presence around the globe, we support and maintain fluid handling installations for defense navies worldwide.



Integrated Logistic Support (ILS)
Reliability, availability, maintainability, and system safety are central to every solution. We ensure easy access and less need for support throughout the lifecycle of our pump systems.

Field service
Our highly skilled engineers can be on-site within 24 hours with fast and effective root cause analysis and repair. We are also always ready to service when the ships dock.

On-site training
We offer on-site training of your crew in operation and general maintenance of your pump solution. This will ensure efficiency and reduce maintenance costs.

Spare parts inventory management
We help you optimise your stock levels with spare parts and dedicated spare parts kits tailored for your pumps specifically, guaranteeing optimum performance and minimising critical downtime.

Maintenance managing assessment
We offer thorough assessments of installations, including recommendations for future maintenance, spare part replacements and material upgrades and adjustments that will enhance performance and minimise failures and downtime.

Technical assistance
Our support hotline can be reached 24/7. Thanks to our extensive global network, we are available at all times and all locations, worldwide. Our engineers can be on-site within 24 hours in case of outages or failures.

Maintenance, repair and conversion
We can maintain, repair and replace any pump solution. We even engineer and fabricate solutions for other pump brands including replacement pumps, adaptors and fittings.

CASE STORY

Pumps for US Navy's new T-ATS class ships

Svanehoj Singapore has supplied a total of 300 pumps for ten new Towing, Salvage and Rescue Ships for the US Navy. Svanehoj Singapore supplied the equipment to Defense Maritime Solutions Inc. for the T-ATS class program, built by both Bollinger and Austal shipyards.



CASE STORY

235 pumps over a five-year period

Svanehoj Singapore will supply the pump solutions for five highly specialised Type 31 frigates built by Babcock International Group for the United Kingdom's Royal Navy. We will deliver a total of 235 pumps over a five-year period.

“Svanehoj Singapore has a long history as a supplier for naval projects and a significant installed base on military ships in the USA, Canada and the Netherlands, among others. In addition to the contract for the Type 31 frigates, we also have significant contracts for new ships for the US Navy. It gives us an excellent position to be considered for other upcoming naval projects,”

Hans Christiaan Laheij
CEO, Svanehoj Singapore

CASE STORY

Svanehoj Singapore on new US Navy replenishment tankers

The first ten of the US Navy's new John Lewis class of replenishment oiler ships have been equipped with Hamworthy Pumps solutions, totaling nearly 400 pumps so far. Svanehoj Singapore supplied the equipment to Defense Maritime Solutions Inc. for the John Lewis class tankers, built by General Dynamics NASSCO.



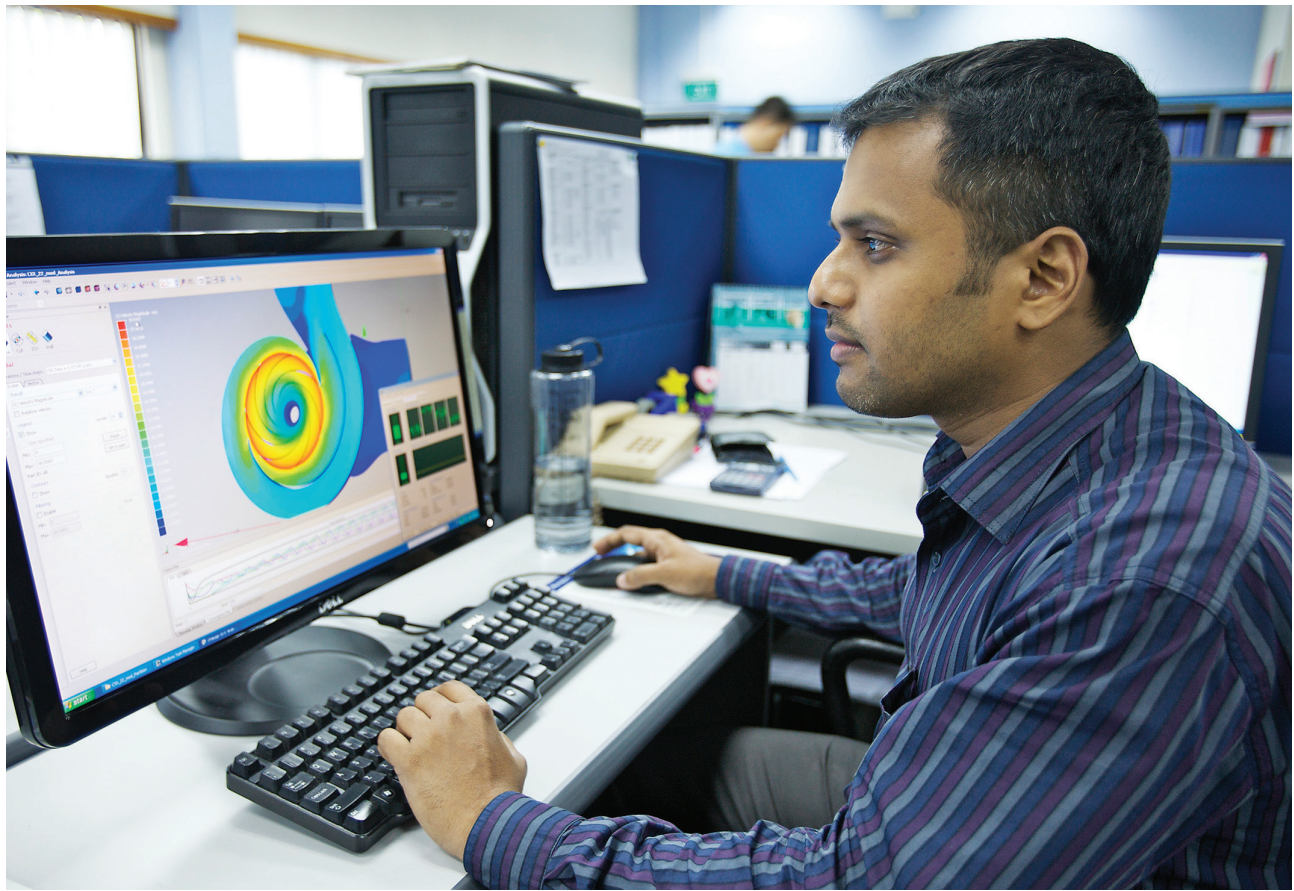


A trusted marine partner since 1889

Svanehoj Singapore is a market-leading manufacturer of Inline Pumps for the marine and offshore industries and delivers Engine Room Pumps, Cargo Oil and Ballast Pumping System, Fire Water Pump Packages and Scrubber Pumps.

Committed to continuous improvement and solutions that keep adding value, Svanehoj Singapore are known for developing strong partnerships and innovation that fit customers' competitive needs. To this belongs a firm focus on ways to reduce the environmental impact of

products, services and operations and actively contributing to UN's Global Goals for Sustainable Development. It is the will to do better every day. It comes with our name – and with being trusted by customers since 1889.



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