

DEEPWELL FUEL PUMPS

Powering a better future



SVANEHØJ

Over the span of nearly 100 years of experience in the marine industry we have developed an unparalleled design and technology that ensures our customers the best, safest, and most reliable pump solutions on the market.

At Svanehøj, our central focal point is to contribute to a cleaner world by offering excellent technical pump solutions and critical components that match the transition to cleaner energy types.

Alongside our business targets, we strive to be a role model for our employees and our local neighbourhood by continuously improving the overall conditions of the physical and mental work environment and taking responsibility for the impact we have on the community. Committed to work towards a faster transition to zero-carbon transport.

Our pumping solutions are a key part of the fuel and energy cargo supply in the shipping industry. We will support a fast and full transition to zero-carbon maritime fuels, including ammonia, hydrogen and synthetic carbon-based electro-fuels.

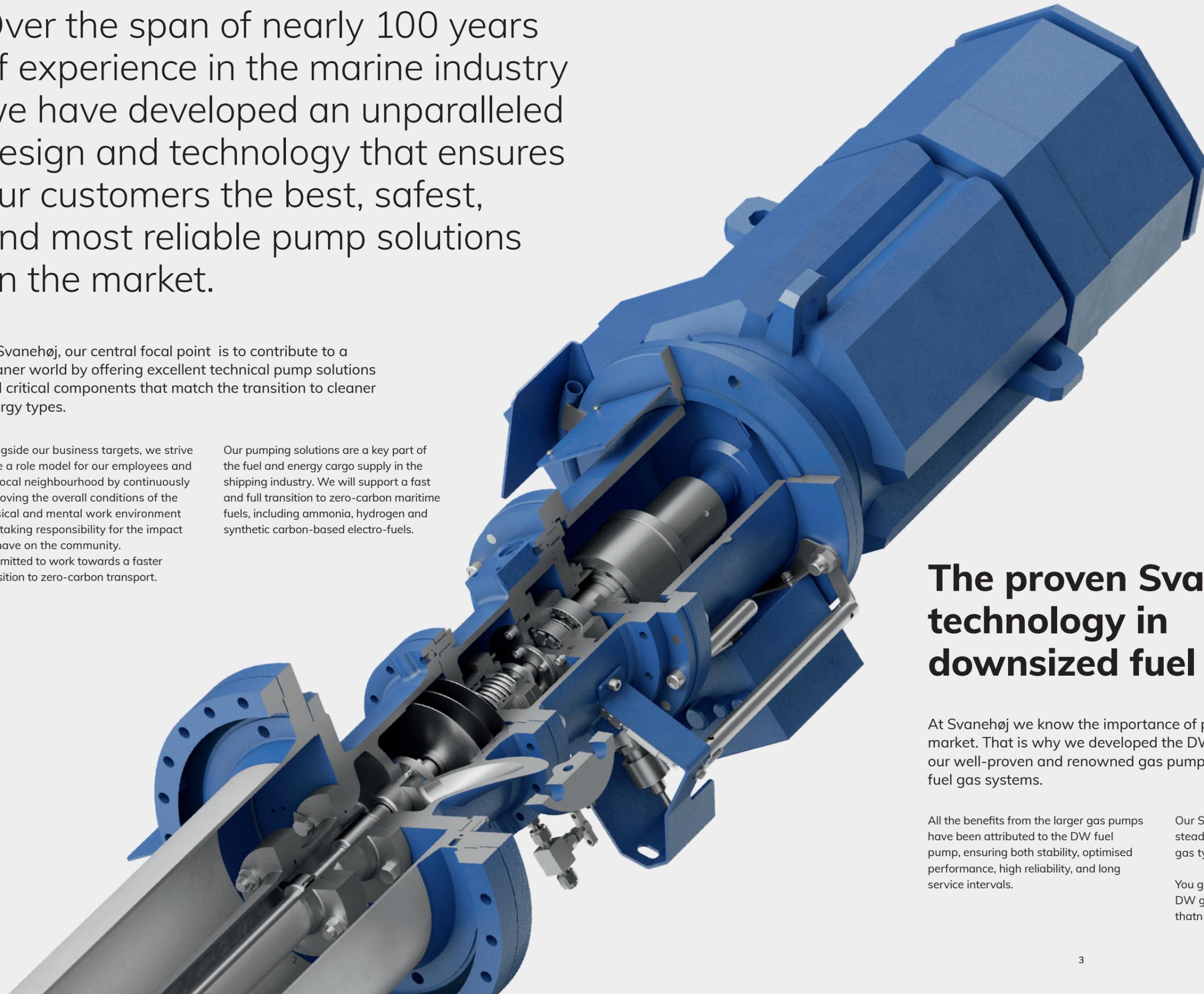
The proven Svanehøj technology in downsized fuel pump

At Svanehøj we know the importance of proven reliability in the market. That is why we developed the DW fuel pump by taking our well-proven and renowned gas pump and downsized it for fuel gas systems.

All the benefits from the larger gas pumps have been attributed to the DW fuel pump, ensuring both stability, optimised performance, high reliability, and long service intervals.

Our Svanehøj fuel pump is designed for a steady, reliable supply of fuel for all liquid gas types at all temperatures.

You get the well-proven design form our DW gas pumps that are installed in more than 1200 gas carriers world wide.





Reliable and optimised efficiency

The DW fuel pump from Svanehøj is a reliable pump developed in close collaboration with designers of fuel gas systems to support environmental friendly LNG-fuelled engines. The pump, which is also usable with other fuel types such as ethane and LPG, is designed to safeguard a steady, reliable fuel gas supply with a fast response to changes in engine load, ensuring an optimised efficiency. A fuel pump is independent of weather conditions, sloshing, and thermal conditions – just to mention a few of the numerous benefits.

Electric motor:

Heat and pressure reduction

The DW fuel pump is a classic multistage centrifugal pump made of cryogenic stainless steel with a standard zone 1 marine motor. Because the pump's electric motor is located outside the fuel tank, it eliminates the excess of heat and pressure, which in other cases often results in a significant energy loss when motors are located inside the fuel tank. Thanks to the unique DW design, the consumption of energy and fuel are continuously optimised.

Advantages and benefits of the DW fuel pump:

- Independent of weather conditions, sloshing, and thermal conditions.
- No tank connections below liquid level and no electrical components inside the tank.
- Steady, reliable supply of fuel.
- Fast response to changes in engine load.
- No gas leakage from the tank.
- Dual fuel function: The pump can be used with both LNG and other fuel types such as ethane and LPG.
- Pump can be retracted, even with gas in the tank.
- Minimised contribution to boil-off gas.





At Svanehøj our goal is to be your preferred provider of pump solutions, which is why we go the extra mile to make sure that you get the most out of your pump investment. This means that in addition to excellence in quality and performance you get the support and advice of our highly-educated and experienced team of experts throughout the entire lifetime of your installation.

5-year service interval

The Svanehøj DW fuel pump is based on well-proven technology used on gas carriers for decades. We have designed a hermetically sealed pump without any sophisticated bearings or exotic materials, using standard ball bearings that ensure a long service lifetime. Service intervals are 25,000 operating hours or every five years.

Access motor at any time

Should you need to, you can easily access motor, bearing, and pump at any time between regular service dockings, even with gas pressure in the tank. This means that you can access and service electric

motor, magnetic drive, main bearing, and inner mag-drive. Moreover, by activating the foot valve, the pump can be retracted in handy sections of less than one metre, providing unique service possibilities.

Svanehøj Service Solutions

Svanehøj Service Solutions delivers worldwide and personalised 24-hour service, all year long. Fusing our global network, depth of expertise and exceptional response time we enable you to stay ahead wherever you are.



Pre-docking inspection

Before your vessel is scheduled to dry-dock, our specialists will board the vessel to inspect the cargo handling system. After a thorough inspection, we will issue a detailed inspection report to make sure the pre-dock is planned in details in regards to manpower, materials, timing and resources.



Cargo and cooling compressor service

No matter the complexity of your compressor system – and no matter the brand – our specialists deliver advanced maintenance and fast repair, reducing potential downtime to a minimum.



Genuine spare parts & spare part kits

Svanehøj Service Solutions carry a large number of spare parts in stock for pumps, compressors, valves and instrumentation. This ensures day-to-day delivery and less downtime for you. Svanehøj Service Solutions is the only authorized supplier of OEM spare parts from major equipment suppliers.



Calibrate measuring equipment

Calibration of measuring equipment – from cargo tank instrumentation to level gauge systems – is essential in order to ensure correct and optimal performance. Svanehøj Service Solutions provides precise calibration, including documentation.



Service on deepwell pumps

Trained and certified in fast troubleshooting, specialists from Svanehøj Service Solutions are able to provide immediate repairs of your deepwell cargo pumps – both on site and in dry-dock.



Safety valve service

Svanehøj Service Solutions offers complete service on valves on gas, product and chemical carriers. The service, carried out by experienced specialists, includes preventive maintenance, repairs and testing in order to ensure you safe and efficient operation.

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