

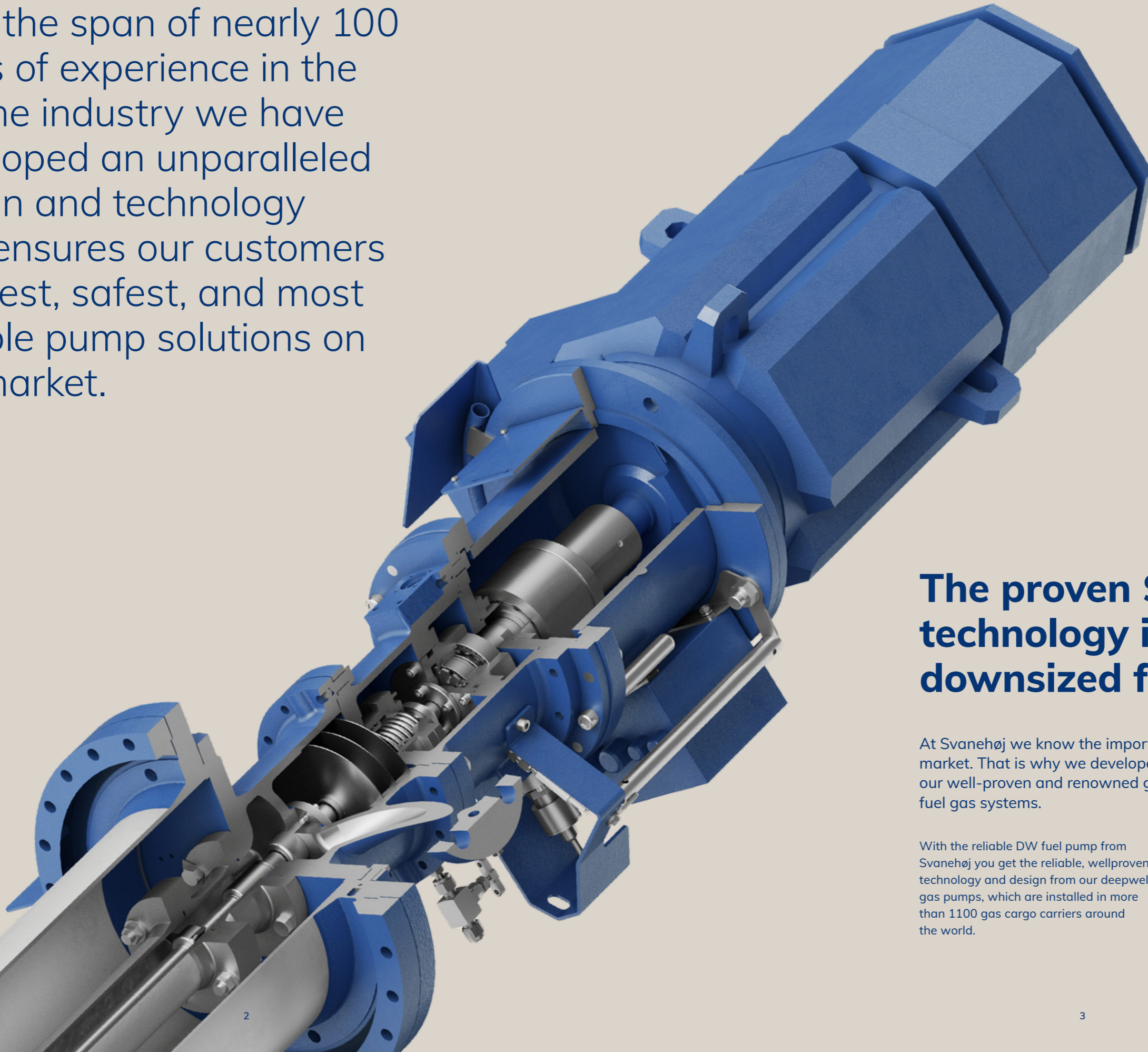
Fuel pumps

Deepwell fuel pumps for gas fueled vessels

SVANEHØJ
catch the waves



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.



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.

With the reliable DW fuel pump from Svanehøj you get the reliable, wellproven technology and design from our deepwell gas pumps, which are installed in more than 1100 gas cargo carriers around the world.

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.



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.

What makes the difference

With Svanehøj you not only get the most trusted and renowned gas pump solutions on the market but a vast number of advantages:



Proven and reliable technology

We have close to 100 years of experience and more than 7000 pumps currently operating on gas carriers worldwide. This is your guarantee for outstanding quality and performance.



Safety

Our pumps have gone through extensive testing to make sure they live up to the highest global standards of safety. Our gas pumps feature double mechanical seals mounted back-to-back in oil bath to prevent leaks.



Lifetime support

We want to offer the best service in the market and are dedicated to continuously advising and supporting our customers in optimizing their pumps throughout the lifetime of the installation. We are also happy to provide our customers with on-site training on how to optimally use their pumps.



Responsiveness

We know that time is of the essence and take pride in always being proximate and responsive. We have a global network of support and service centres providing expert advice to customers around the world.

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