STEERPROP LTD. IS THE CENTER of azimuth propulsion technology. The global Steerprop team has decades of experience in all aspects of maritime azimuth propulsion.

Based on this extensive experience and utilizing the latest technology, Steerprop Ltd. designs and produces azimuth propulsors for the global maritime industry. The goal of Steerprop Ltd. is to provide customers with azimuth propulsors with an excellent lifetime economy.

To ensure this, the products of Steerprop Ltd. are designed and produced to be not only of outstanding quality in construction but also extremely efficient in operation.
**RELIABILITY**
A great deal of effort has been put into Steerprop Azimuth Propulsors to ensure that they are the most dependable azimuth propulsors available. Reliability has an immense impact on the total lifecycle economy. For this reason, the design of Steerprop products is kept as simple and fail-safe as possible.

**ENVIRONMENT**
Sustainable design and production methods are applied in Steerprop Azimuth Propulsors. The preservation of the marine environment is a matter of great importance for Steerprop Ltd. The Steerprop Azimuth Propulsors are equipped with the latest and most efficient seal technology. The use of Steerprop CRP Contra-Rotating Propeller technology will further improve efficiency by approximately 20%, thus reducing fuel consumption and emissions.

**PERFORMANCE**
Propulsor efficiency and performance influence both vessel performance (such as speed and bollard pull) and fuel consumption. Vessel performance and fuel consumption in turn greatly effect the total lifetime economy.

**FLEXIBILITY**
One of the benefits of a small organization is flexibility. Flexibility has always been the basic philosophy behind Steerprop Azimuth Propulsors. As an adaptable, customer satisfaction driven company, Steerprop Ltd. is able to provide owners and operators with exactly the products and services they require.
 PRODUCTS

STEERPROP SP10...45
- Power range 800...3600 kW; customized to the individual application and built to the rules of the selected classification society
- Open or ducted propellers available
- Z-drive or L-drive configuration
- Direct diesel engine or electric motor prime mover
- Electric or hydraulic azimuthing
- All major classification society certificates available
- Several mounting options: through hull from above, in two parts, or from below.

STEERPROP SP50...80
- Power range 4000...7000 kW; customized to the individual application and built to the rules of the selected classification society
- Open or ducted propellers available
- Z-drive or L-drive configuration
- Electric motor prime mover
- Electric or hydraulic azimuthing
- All major classification society certificates available
- Several mounting options: through hull from above, in two parts, or from below.

STEERPROP SP10...45 CRP
- Power range 800...3600 kW; customized to the individual application and built to the rules of the selected classification society
- Z-drive configuration
- Electric motor prime mover or direct diesel engine (with certain restrictions)
- Electric or hydraulic azimuthing
- All major classification society certificates available
- Several mounting options: through hull from above, in two parts, or from below.
STEERPROP ARC
- Power range 800...16,000 kW; customized to the individual application and built to the rules of the selected classification society.
- For arctic operations and ice-going ships
- Available in the most demanding polar ice-classes
- Open pushing, ducted pushing available
- Electric motor prime mover
- Z-drive configuration

STEERPROP ECO
- Power range 5,000…20,000 kW; customized to the individual application and built to the rules of the selected classification society.
- For vessels operating at higher speeds
- Offers an improved fuel economy due to unparalleled hydrodynamic efficiency
- Available with ice-classification in the most stringent ice-classes

STEERPROP PULL
- Power range up to 16,000 kW; customized to the individual application and built to the rules of the selected classification society.
- For ice-going vessels even in the most stringent ice classes
- Capability for ice milling when driving astern in ice
- Improved high speed efficiency
- Available on request
APPLICATIONS

ARCTIC

In the harsh environment of the Arctic dependability is critical. Fail-safes are designed into Steerprop ARC Azimuth Propulsors on several levels. With these fail-safes and a robust mechanical transmission, Steerprop products offer inherent reliability.

Azimuth propulsors are a tool second to none in ice management operations. The ability to control vectored thrust (ie, slipstream) in full 360 degrees allows the ship to not only open and widen channels, but also to blow ice ridges and free arctic offshore installation from ice pressure. Focusing the slipstream with a nozzle further enhances the ice management abilities of the azimuth propulsor. Ice milling is also an option with a ship equipped with azimuth propulsors.

OFFSHORE

Steerprop Ltd. customizes each propulsor to the individual application to ensure as efficient and economical operation as possible. This ability for seamless customization stems from the inherent flexibility designed into Steerprop Azimuth Propulsor solutions. Steerprop products are designed to be adaptable into any known control (ie, autopilot or dynamic position) system.

When a strong bollard pull is required, a ducted propulsor is the optimal solution. Steerprop recommends the HJ3-type high performance nozzle. It offers increased bollard pull and improved high-speed efficiency in comparison to the traditional 19A-type nozzle or even a conventional open propeller.

When free running efficiency is crucial, the high-efficiency Steerprop CRP solution is recommended.

CRUISE & CARGO

In an increasingly eco-conscious and competitive market, green values and efficiency are becoming more important than ever. The Steerprop CRP technology has been designed for high speed applications where efficiency and reliability are critical.

The contra rotating propeller technology with a forward facing pulling propeller and underwater parts designed for minimum hydrodynamic drag offer unsurpassed propulsive efficiency. With built-in fail-safes designed with principles of sequential strength offer excellent reliability. With high reliability and higher efficiency, Steerprop Azimuth Propulsors offer excellent lifetime economy.
Steerprop Azimuth Propulsors are designed to be as reliable as possible with as few components as possible. This rugged simplicity allows for the reliability and ease of maintenance that are inherent in the Steerprop Azimuth Propulsor.

To ensure that clients’ needs are seen to as soon as possible, Steerprop Ltd. has a 24/7 On Call Service available at all times. Steerprop Ltd. also maintains a worldwide service network in co-operation with international partners.

Proper maintenance and the correct operational procedures are important to safe and efficient operation. Steerprop Ltd. can proved training to the technical staff of Steerprop Ltd.’s clients on-request basis.

For more information; please contact service.steerprop@steerprop.com