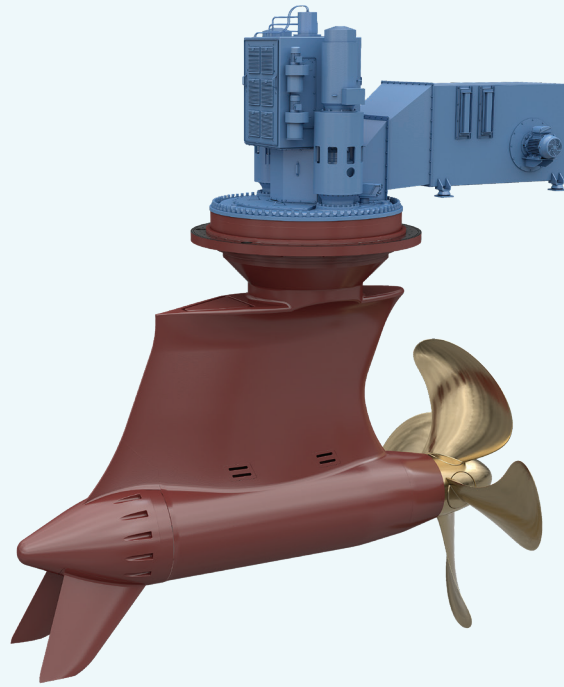


ELEGANCE POD



KONGSBERG

KONGSBERG AZIMUTH THRUSTERS

Elegance Pod propulsion system

HIGHLIGHTS

PODS

- 6 sizes
- 1.5-7.5MW
- 690V PM motors
- Ice class PC6
- Low noise
- High efficiency
- VGP compliant

DC Switchboard

- Combined Switchboard and drives
- High efficiency
- Small footprint
- Simple connection of energy storage

Energy Storage

- KONGSBERG / 3rd party batteries
- Flexible design
- C-rate (continuous): upto 2.8

KONGSBERG Elegance pods provides the latest in pod propulsion technology. Based on experience from more than two decades of pods in operation combined with the experience of thousands of mechanical thrusters, the Elegance pods are designed to perform.

Elegance Pods

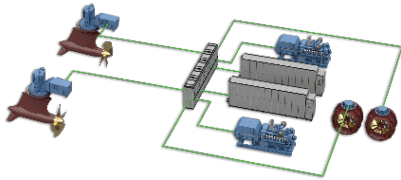
Elegance pods are designed to provide a trouble-free propulsion of the vessel. With focus on low noise and vibrations, the aim is to optimize comfort onboard as well as minimizing the disturbance of sea-life. With the well-renowned KONGSBERG propeller design, this is combined with high efficiency and low fuel consumption.

KONGSBERG electric system solutions

KONGSBERG can provide a variety of electric system solutions. We deliver high performance drives specifically designed for the Marine environment. Our DC switchboards with integrated propulsion frequency drives offers a compact and efficient electric installation. It also simplifies the integration of batteries for energy storage. With KONGSBERG battery solutions, compact, safe and reliable energy storage is available for power peak shaving, or noiseless and clean electric propulsion when required.



Elegance Pod



Integrated electric propulsion



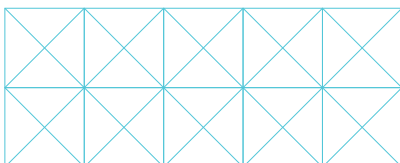
Mcon control system



Automation system



Integrated bridge



TECHNICAL DATA

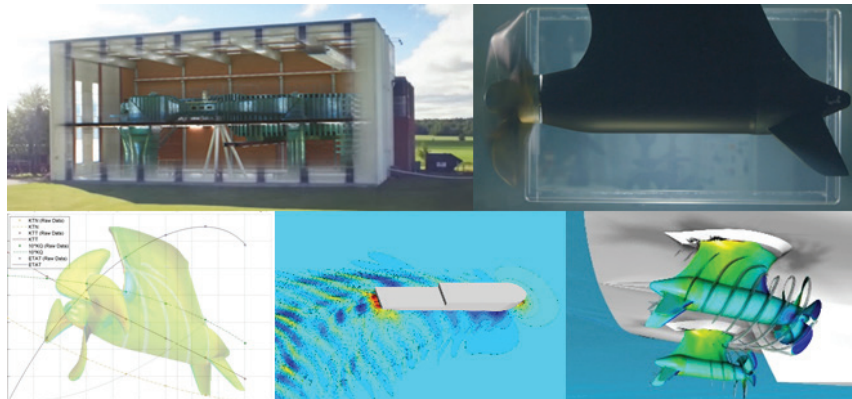
	Size	Power [kW]	Propeller [Ø m]
Pod product range	850	2000	1.8-2.9
	960	2700	2.1-3.4
	1080	3800	2.4-3.9
	1230	4600	2.7-4.4
	1380	6100	3.0-4.9
	1570	7500	3.3-5.4

EXAMPLE SYSTEM SOLUTION

- | | |
|-----------------------|---|
| Propulsion Drives | <ul style="list-style-type: none"> Active front end Variable frequency drives 380-690VAC 800-9.000 kW |
| Energy storage | <ul style="list-style-type: none"> Various cabinet sizes: H=900-2400mm Maximum C-rating (continuous): 2.8 Energy density: upto 289 Wh/m³ IP-rating: IP-44 |
| Tunnel thrusters | <ul style="list-style-type: none"> PMTT with low noise Direct drive Permanent magnet motors 1000 or 1600 kW |
| Bridge and automation | <ul style="list-style-type: none"> Flexible layout for optimal integration Green (fuel-efficient) station keeping and anchor watch modes Dedicated station-keeping mode for tender launch Situational awareness and anti-collision advisory functions |

KONGSBERG – The Hydrodynamic specialist

KONGSBERG can provide a vast amount of hydrodynamic expertise and services to make sure your yacht gets the best hydrodynamic performance. With almost 100 years of propeller design, and with advanced inhouse model testing and CFD analysis capability our expertise is at your service.



The KONGSBERG hydrodynamic research center, with almost a century of experience in optimizing hydrodynamic performance to optimize high efficiency and low noise.

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