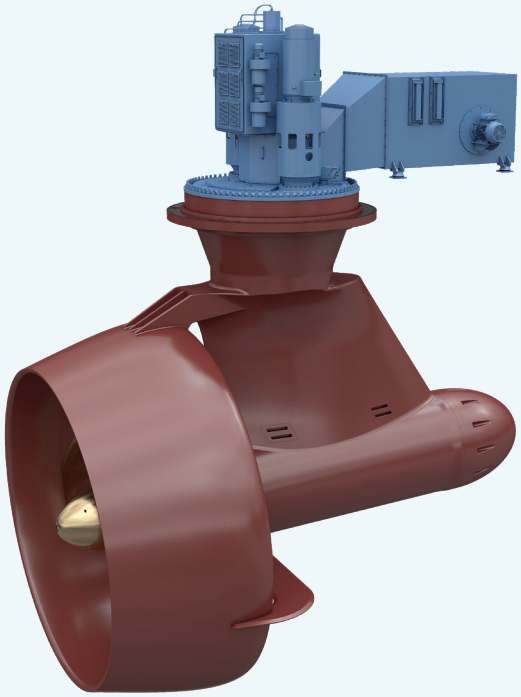
ELEGANCE POD



KONGSBERG

HIGHLIGHTS

PODS
- 4 sizes
- 1.5-7.5MW
- 690V PM motors
- Low noise
- High efficiency
- VGP compliant
- Underwater mountable
- Long service intervals

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

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

KONGSBERG AZIMUTH THRUSTERS

Elegance ducted Pod propulsion system

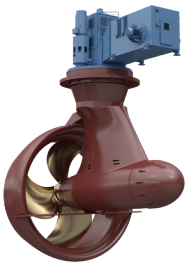
KONGSBERG Elegance pods provides the latest in pod propulsion technology. Based on experience from more than two decades of pods in operation combined with the experience of thousands of mechanical thrusters, the Elegance pods are designed to perform.

Elegance Pods

Elegance pods are designed to provide a trouble-free propulsion of the vessel. The ducted pods provide high thrust in bollard pull combined with high efficiency in free running. The well-renowned KONGSBERG propeller design and innovative Innoduct nozzle design provides low fuel consumption. To protect the ocean, the Elegance pods only contain a small oil volume and are equipped with Multi-barrier seals that are VGP compliant.

KONGSBERG electric system solutions

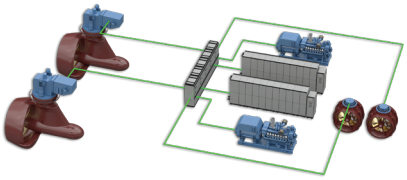
KONGSBERG can provide a variety of electric system solutions. We deliver high performance drives specifically designed for the Marine environment. Our DC switchboards with integrated propulsion frequency drives offers a compact and efficient electric installation. It also simplifies the integration of 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

TECHNICAL DATA

	Size	Power [kW]	Propeller [Ø m]	Thrust [Kn]
Pod product range	1080	3350	3.0-3.2	590
	1230	4300	3.4-3.6	745
	1380	5600	3.9-4.1	970
	1570	7100	4.4-4.6	1235

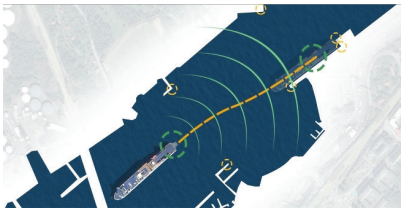


Integrated electric propulsion

EXAMPLE SYSTEM SOLUTION

Propulsion Drives	• Active front end Variable frequency drives • 380-690VAC • 800-9.000 kW
Energy storage	• Various cabinet sizes: H=900-2400mm • Maximum C-rating (continuos): 2.8 • Energy density: upto 289 Wh/m3 • IP-rating: IP-44
Tunnel thrusters	• PMTT with low noise • Direct drive Permanent magnet motors • 1000 or 1600 kW
Bridge and automation	• 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

Mcon control system

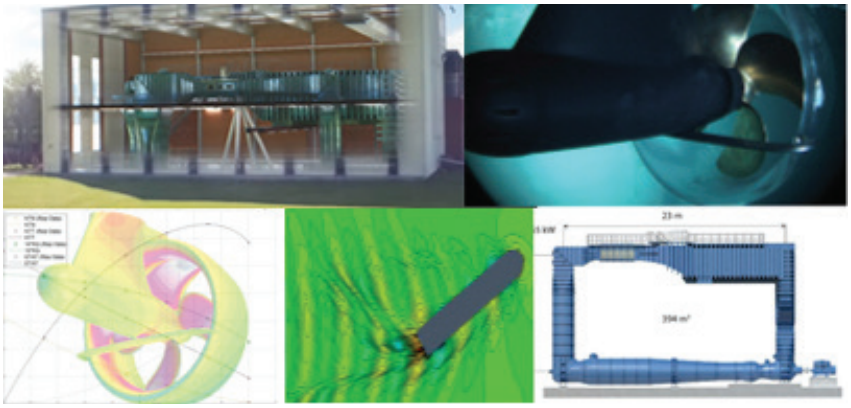


Automation system

Integrated bridge

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.

Kongsberg Maritime
P.O.Box 483, NO-3601
Kongsberg, Norway

Switchboard: +47 815 73 700
Global support 24/7: +47 33 03 24 07
E-mail sales: km.sales@km.kongsberg.com
E-mail support: km.support@km.kongsberg.com