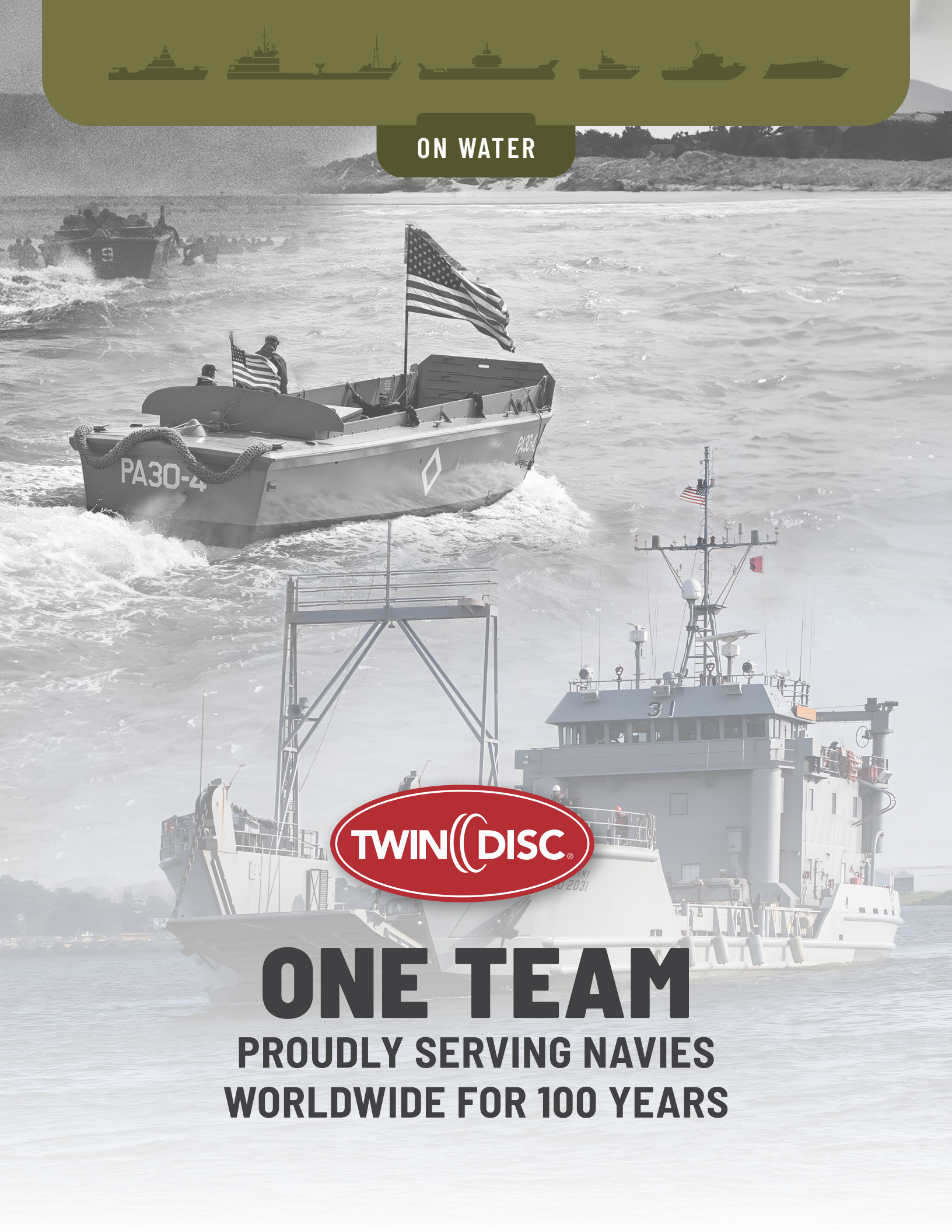
ON WATER



TWIN DISC®

ONE TEAM

PROUDLY SERVING NAVIES WORLDWIDE FOR 100 YEARS

AT YOUR SERVICE

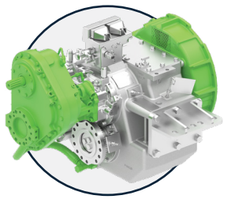
MISSION-READY SINCE 1918

Since 1918, Twin Disc has been at the forefront of inventing, engineering, and manufacturing technologies that make machinery perform at peak operational efficiency. Our products are designed to transmit and manage power with precision, reliability, and enhanced operator interface — all while ensuring maximum uptime and minimizing operational costs. When it comes to putting horsepower to work, Twin Disc delivers unparalleled performance.

WHEN PERFORMANCE MATTERS

With Twin Disc as the link between your power source and mission-critical operations, you are equipped with the most efficient and durable power transfer systems available. The mechanical and control advantages of Twin Disc products empower your machinery and operators to accomplish more in less time, under any conditions.

MARINE TRANSMISSIONS



HYBRID-READY MARINE TRANSMISSIONS

Twin Disc engineers more than 100 marine transmission models, from 35 to more than 4000 horsepower. Parallel hybrid and electric motor driven models available.

Heavy-duty craft

- Continuous duty ratings up to 2400 kW; ratios up to 7.5:1
- Cast iron or nodular iron housings and bearing carriers
- Build to last in the toughest environments
- QuickShift® clutch technology in most models
- Single helical ground and case hardened gears
- Unit certification by the most commonly used marine survey societies available

Fast craft

- Ratings up to 3000 kW; ratios up to 3.5:1
- Strong yet lightweight aluminum housings
- Vertical and horizontal offset models
- Build to operate long hours at high load factors
- QuickShift® clutch technology is standard
- Unit certification by the most commonly used marine survey societies available

ROLLA™ PROPELLERS

Rolla offers a wide variety of services for every aspect of propeller design, manufacture and application.

- Rolla stainless steel and NiBrAL propellers range from 40 cm to 3.5 m in diameter
- Specifically custom designed for high-performance shaftline or surface drive applications
- Complete hydrodynamic analysis engineering capabilities with computational fluid dynamic (CFD) to optimize hull design and performance

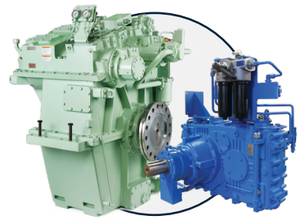
DUTY CALLS

Our comprehensive marine system power transmission and propulsion solution lineup allows for tailored configurations that ensure ultimate performance, control, and reliability. Every Twin Disc product is engineered to function seamlessly within your system, providing unmatched operational synergy.

ARNESON® SURFACE DRIVES

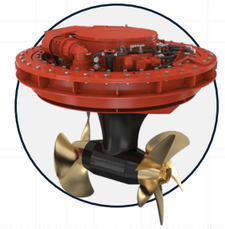
Arneson Surface Drives are built for maximum-duty applications and designed to last the life of the vessel, using high-quality, corrosion-resistant materials with precise tolerances.

- High-speed propulsion system with surface-piercing propellers that reduces drag and improves efficiency versus conventional shaftline propulsion and waterjets
- Steerable system without the need of conventional rudders
- Trimmable system to optimize performance underway
- Ratings from 250 to 2300 kW



KATSA AND TWIN DISC NICO GEARS

Custom marine transmissions up to 25000 kW (such as twin in -single out), project-based design and configuration.



VETH AZIMUTH AND BOW THRUSTERS

Veth Propulsion's thrusters are designed with advanced technology and robust engineering to meet the demands of modern navigation.

Azimuth thrusters

- Available in Z- and L-drive configurations
- Diesel and/or electric driven
- Ratings up to 2350 kW
- Propeller diameter up to 2700 mm
- Options available:
  - Single and counter rotating propellers
  - Kort nozzle
  - Hybrid ready models
  - Deck mounted, retractable, and swing-out models

Bow thrusters

- Tunnel thrusters
  - Ratings up to 1500 kW
  - Propeller diameter up to 2100 mm
  - Active noise suppression system available
- 360° thrusters, optimal for shallow draft conditions
  - Veth Jet: ratings up to 1250 kW
  - Compact Jet: ratings up to 600 kW
  - Steering Grid: ratings up to 550 kW

ELECTRONIC PROPULSION CONTROLS

With the controller prewired to your QuickShift transmission, the EC600PC is the simplest control system to install, eliminating the need for remote mounting, extra wiring and labor. Combined with stainless steel lever heads and a multifunctional graphic display, you have a complete system to control your engine and transmission.

- Designed to interface with all popular electronic engines, Quickshift marine transmissions, and electric motors
- Versatile, rugged, and easy to install
- Express Joystick System and Express Positioning System interface available
- Compliant with all major marine society rules and United States Coast Guard regulations
- Multiple engine and multiple station capabilities
- SAE J1939 and NMEA 2000 communication protocols
- 12 and 24 volt system power compatible
- Survey society type approvals available
- IP67 protection class
- Proven reliability, tested over more than one million shifting cycles

EXPRESS JOYSTICK SYSTEMS® (EJS®) AND EXPRESS POSITIONING®

The EJS provides precise, proportional thrust on main propellers and bow (or bow and stern) thrusters to allow for continuous, powerful maneuverability. A powerful combination when combined with Express Positioning, a dedicated GPS determines your location and heading, then instantly directs the QuickShift® transmissions and proportional hydraulic thrusters to achieve those coordinates.

- Simultaneous, instant control of engines, transmissions, and thrusters
- The EJS eliminates steering wheel and control lever use in docking
- Maximum power to hold station without excess heat or wear
- Ultra-fine maneuvering at low thrust for shaftline boats
- Compatible with single- and twin-engine applications
- Large, full-color day/night display

MAKE TWIN DISC YOUR KEY ALLIANCE

From mission-critical system design consultation to tactical application development and in-service support, Twin Disc stands as your strategic partner in delivering fully integrated propulsion solutions. Our systems are engineered to maximize your vessel's operational performance, reliability, and safety across all conditions. Deploy Twin Disc's expertise early in your development process to secure superior operational readiness and optimal cost efficiency.

GET SMART! If you would like to learn about systems for your specific application, please **email applications@twindisc.com** or **scan the QR** to sign up to receive the lates product news.