

ONE SYSTEM. IMPROVED PERFORMANCE. MISSION READY.

Ensure your vessel is mission ready with an integrated stabilization system from Humphree.

Fins and interceptors work seamlessly to deliver enhanced vessel performance. Range, combat capability, operator safety and speed can all be improved in vessels from 7 m to 100+ m.

Integrate Humphree Fins and Interceptors for optimum performance.



INTERCEPTOR



FIN STABILIZER



RIDE CONTROL UNIT



CONTROL PANEL

HUMPHREE®



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HUMPHREE®

TRIM AND STABILIZATION SYSTEMS

HUMPHREE.COM



MISSION READY STABILIZATION FOR GOVERNMENTAL VESSELS

FROM ZERO SPEED TO TOP SPEED

Humphree stabilization systems deliver improved mission parameters for all governmental applications, including: Navy, Coast Guard and SAR vessels.



THAT MEANS:

- Increased range
- Reduced whole body impact
- Faster turns
- Faster acceleration

Focus on what matters most: delivering improved mission parameters.

BATTLE TESTED, FIT FOR EVERY VESSEL

Whether you're building new or retrofitting an existing vessel, Humphree solutions adapts to any hull design.

- Interceptors available in a wide range of sizes and customizable to any shape to maximise performance
- Compact fin servos fit in tight spaces other systems can't
- Electric-actuated systems avoid weight, start-up time and maintenance penalties of gyro systems



FASTER, TIGHTER TURNS

Humphree Total Stabilization delivers faster, tighter and more controlled turns through our Coordinated Turn function. The system provides sharp, smooth cornering that works with your steering intent – never against it. This enhanced maneuverability can make a critical difference in combat operations, search and rescue missions and any other demanding applications.

REDUCED WHOLE BODY IMPACT

Humphree Interceptors generate hydrodynamic lift to improve trim, pitch and roll. This reduces bow slamming and vertical accelerations when the hull meets oncoming waves, which is a primary cause of whole body vibration and repeated shock injuries.

THIS:

- Protects crew from serious injury
- Prevents long-term health damage
- Improves crew performance and operational readiness
- Reduces accidents and operational risks
- Enhances vessel longevity and lowers maintenance costs
- Supports compliance with safety regulations

INCREASED RANGE

At planing speeds, interceptors reduce hull drag by lifting the stern and optimizing trim.

THIS:

- Reduces wetted surface
- Minimizes resistance
- Delivers extended range and fuel savings

FASTER ACCELERATION

Interceptors boost acceleration by helping your vessel get over the planing hump faster.

YOU GET:

- Shorter time-to-plane
- Smoother transitions
- Quicker response from throttle to ride
- Free from "the hump" – that's the Humphree effect