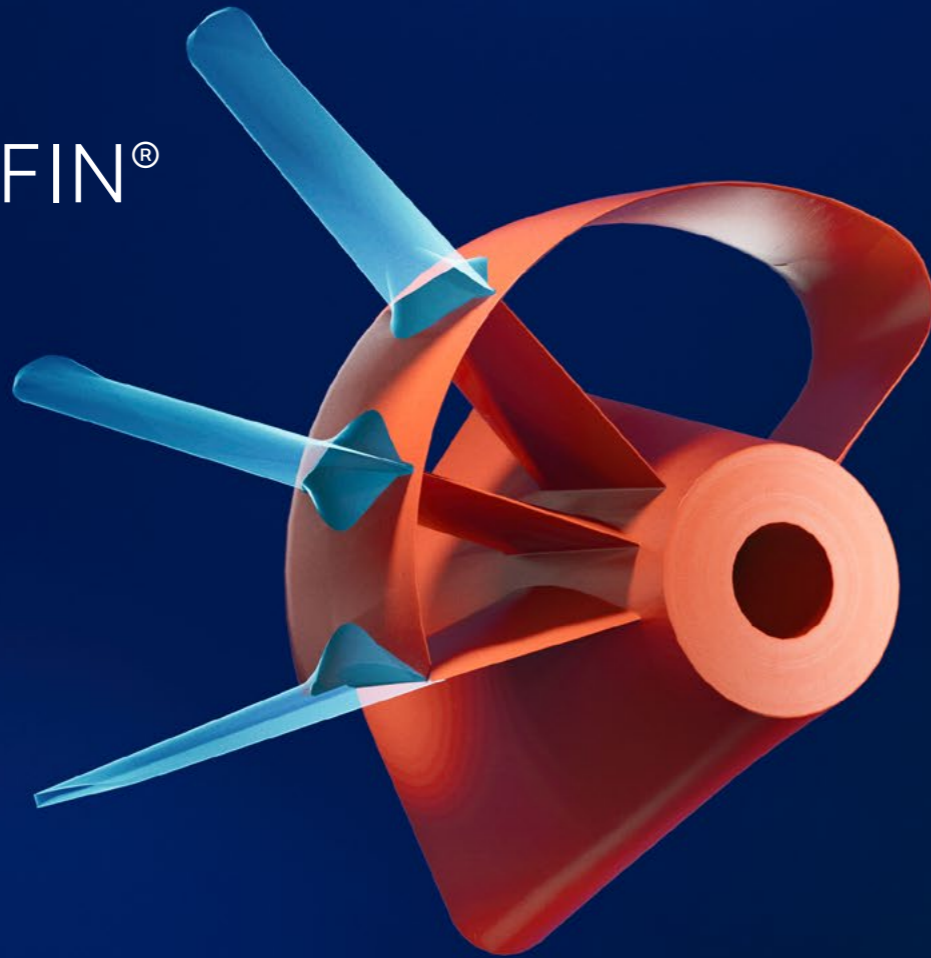


ENERGY-SAVING DEVICES

BECKER TWISTED FIN®



Elevating efficiency: best practice solution for slender vessels

The Becker Twisted Fin® is the smart choice for faster vessels like container ships with slender sterns. Positioned ahead of the propeller, it generates a pre-swirl that boosts efficiency, lowers operational costs and reduces emissions by up to 4%.

Its compact design with no moving parts ensures easy integration and long-term reliability. Fully class-approved, the system strengthens EEXI and CII ratings and delivers measurable savings for forward-looking ship owners.

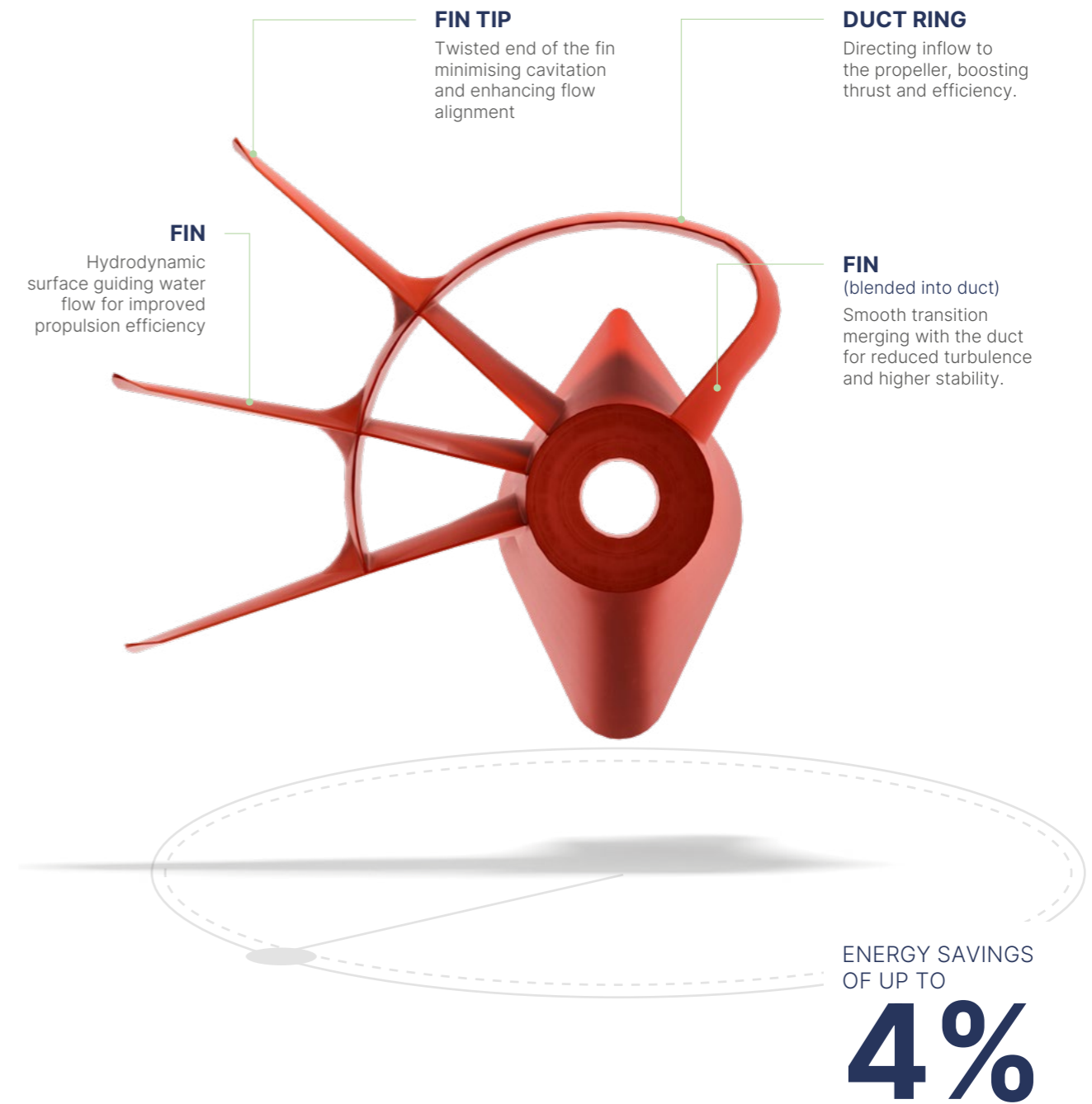
Proven efficiency gains for

Container Vessels

Gas Carrier

Ferry & Vehicle Carrier

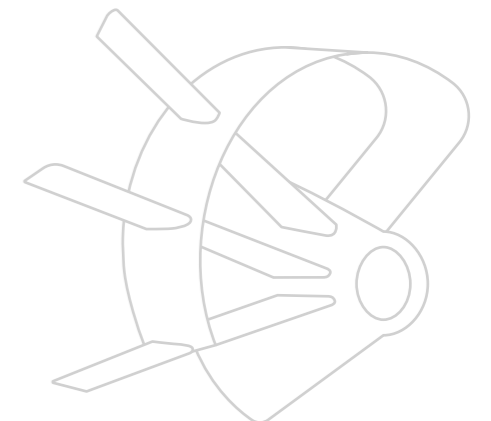
Navy Vessels



STRUCTURE OF THE
BECKER TWISTED FIN®

Smarter flow, smoother operation

- ✓ General energy savings of up to 4%
- ✓ Less cavitation and reduced vibration
- ✓ Improved propulsion efficiency and course keeping
- ✓ Reduction of CO₂ emissions
- ✓ Suitable for newbuildings and retrofits
- ✓ No moving parts, no maintenance required
- ✓ Fast installation



EASY INSTALLATION FOR NEWBUILDINGS AND RETROFITS

The Becker Twisted Fin® is designed for seamless integration into both newbuildings and existing vessels.

Thanks to flexible interfaces and Becker's proven expertise, installation can be carried out quickly and reliably with minimal disruption.

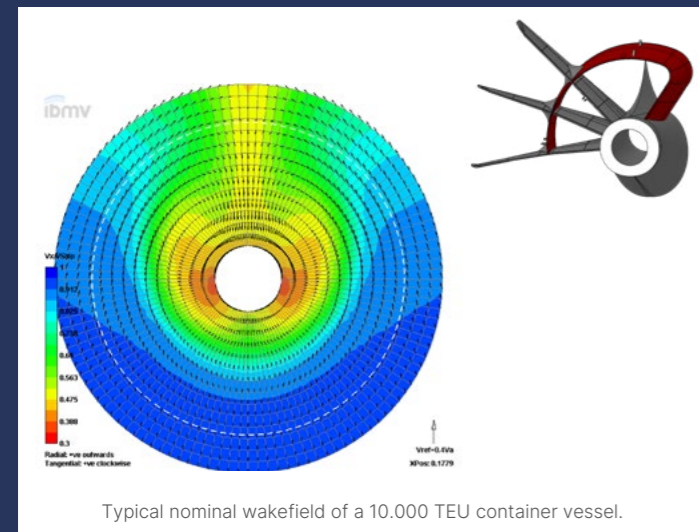
Newbuildings

- Installation during docking or block stage with little extra effort for the shipyard
- Fully adaptable interfaces to match the ship's steel structure
- Simple integration into the production schedule

Retrofits

- Installation during regular or intermediate dry dockings without propeller removal
- Average installation time of only five days
- Yard execution under Becker supervision for highest quality standards
- Interfaces designed for maximum strength and stiffness in line with class rules

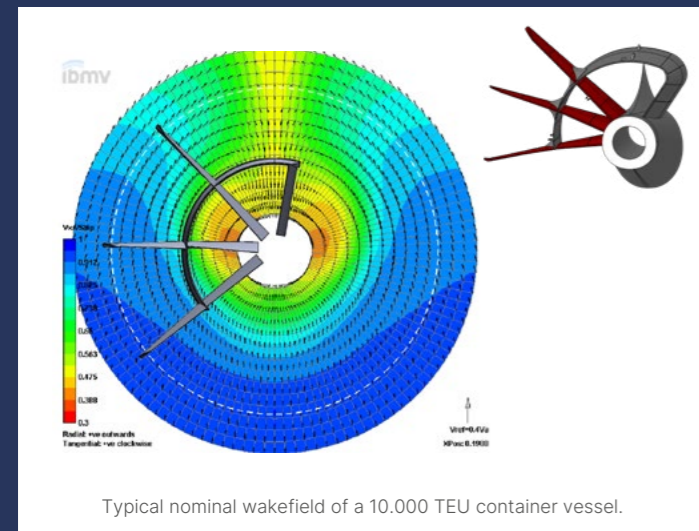
Pre-swirl optimisation



Wakefield equalisation

Tailored engineering for measurable results – every Becker Twisted Fin® is designed with customised CFD simulations to unlock maximum efficiency for your vessel.

- Duct ring accelerates and harmonises inflow with surrounding water
- Improves overall flow towards the propeller and generates thrust
- Tailored CFD simulations for each vessel ensure maximum efficiency gains



Pre-Swirl for optimised propeller load

Smart flow solutions made to fit – Becker Twisted Fin® designs are customised through advanced CFD simulations, perfectly matching hull and propeller geometry for superior performance.

- Fins re-direct flow counter to propeller rotation for optimised load
- Increases propeller efficiency and reduces hub vortex formation
- Customised CFD simulations deliver the best design for every ship



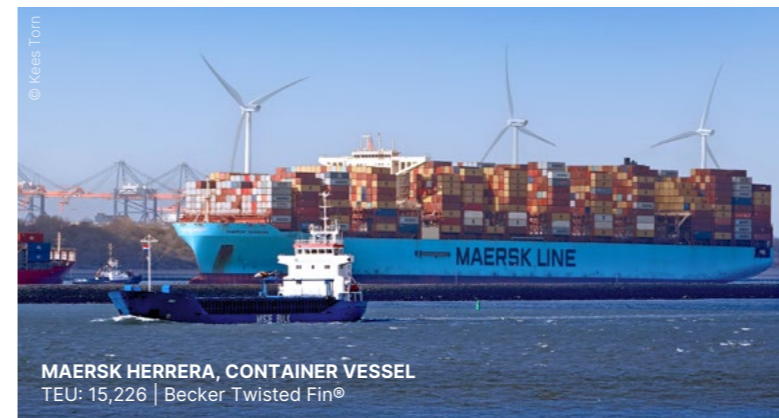
PROVEN POWER SAVINGS

A look at successful applications where the Becker Twisted Fin® reduces propeller losses and saves energy.

CMA CGM BRAZIL, CONTAINER VESSEL
TEU: 15,128 | Becker Twisted Fin®



EVER APEX, CONTAINER VESSEL
TEU: 23,888 | Becker Twisted Fin®



MAERSK HERRERA, CONTAINER VESSEL
TEU: 15,226 | Becker Twisted Fin®

ENERGY-SAVING DEVICES

**BECKER
TWISTED FIN®**

[SHOW PRODUCT](#)



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