

WD – WIND DEFLECTOR

BACKGROUND

- The wind resistance of ships accounts for more than 6% of the total resistance of ships, especially for medium and large container ships with a height of more than 15 meters on the deck.
- Reducing operating costs and improving the energy efficiency have always been the pursuit of marine industry.
- Wind loads play an important role in safety.
- Therefore, the research on wind resistance reduction with a large wind-affected area of the superstructure is gradually attracting attention.



FUNCTION

- Reducing wind resistance
- Saving fuel consumption
- Reducing emissions by approximately 2%

What We Offer

EPC Project

Multi-step design process:

- Basic and detailed designs
- FEM calculations and analysis
- CFD simulations
- Wind tunnel tests
- Installation Period: within 7 days
- Advantage: No containers reduction when fully loaded
- Effect: about 2% reduction in fuel consumption and emissions

