



TRACK RECORD

KOTUG is a leading towage provider offering its innovative services on a global scale. With a sophisticated, powerful fleet, its dedicated staff and well trained crew KOTUG operates in a variety of markets including towage services in ports and at sea as well as in the salvage, offshore and dredging industry. KOTUG remains committed to the highest industry standards of Health, Safety, Environment, Quality and Security. KOTUG has now consolidated all nautical and technical knowledge in the Maritime Excellence Center.

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- HARBOUR TOWAGE ■ TERMINAL TOWAGE
- OFFSHORE & SPECIAL SERVICES ■ SALVAGE
- CHARTERING ■ MARITIME EXCELLENCE CENTER

JOINED FORCES

KOTUG is ahead in towage and aims to have the highest possible level of sustainable operations. KOTUG's Maritime Excellence Center (MEC) is a crossroads of experience, knowledge and know-how. The four disciplines - Tug Training, Nautical Consultancy, Technical Consultancy and Newbuilding - join forces and together create a professional synergy. Clients can tap into these services separately or as a powerful all-in-one package. Value is further added to this wealth of knowledge in the MEC by sharing it with clients. This truly broadens horizons and helps all industry players to develop, improve continuously and to stay ahead.



AHEAD IN DEVELOPMENT KNOWLEDGE AHEAD

MARITIME EXCELLENCE CENTER

KOTUG MARITIME EXCELLENCE CENTER

KOTUG can boast over 100 years of experience in the maritime industry. In these years we have expanded our field of expertise from towage to other areas such as salvage and offshore. This extensive nautical and technical knowledge has now been consolidated in KOTUG's Maritime Excellence Center (MEC). The MEC is the place where our track record becomes tangible and where we are able to perform our part as thought leader. Where we fulfill our promise of being an all-round and integrated know-how service provider to the maritime industry.

Our mission is to support clients in creating safer, greener and more efficient operations. KOTUG's Maritime Excellence Center addresses all elements of a shipping line and is therefore the place to go to for every aspect of 'Tugology' - and more. From training programs to supervision of the newbuilding of vessels, from strategic advice to aiding in operation and everything in between.

THOUGHT LEADER

"...Thought leaders are the informed opinion leaders and the go-to people in their field of expertise. They are trusted resources who move and inspire people with innovative ideas: turn ideas into reality and advice on how to replicate their success. They create a dedicated group of friends, fans and followers to help them replicate and scale those ideas into sustainable change. Not just in one company, but in an industry, niche or across an entire network...."



1. TUG TRAINING

'Knowledge Ahead' means improving industry know-how continuously and having high standards. KOTUG has therefore developed its own KOTUG standards of Training and Education. We train crews and educate new captains in operating all possible propulsion systems. We provide training captains and consultants and - if needed - we also deliver captains. Training can take place both in simulator centers across the globe and live on real ships. Some examples of the tug training:

- Training crews (with or without simulator)
- 'Sail in port' awareness course (ship captains)
- 'Sail in port' awareness course with BRM module
- Training for companies ordering a new Rotortug
- Formal training and examination
- Objective assessment of captains
- End to end training plans for entire crews

2. NAUTICAL CONSULTANCY

During port and terminal development around the world, it is important to pay attention to the use of tugs and the safest and most efficient way of operating them. In addition to training, we also deliver consultancy services, with or without simulation, such as:

- Advice on the (new) harbour / terminal layout
- Simulating these new harbour layouts and assessing the type and number of tugs needed
- Simulating various scenarios in tug boat configuration
- Assessing the best tug type for a certain harbour
- Nautical and HSE support to the maritime industry and tug operators
- Towage consultancy on special marine transport projects
- Simulating special marine transport projects, our towmasters provide support in the execution of the simulated scenarios
- Providing advice and production of complete marine safety cases



3. TECHNICAL CONSULTANCY

The Maritime Excellence Center supports ship owners in optimizing and improving the technical standards of their assets. In addition to optimizing fleet maintenance, the Maritime Excellence Center can also help to analyze the performance of fleets and consult on how to improve effectiveness and efficiency, e.g.:

- Docking support (on-site and remote)
- Vessel inspections and assessments against set standards (incl. reporting)
- Planned and preventive maintenance optimization
- Defining the optimum maintenance strategy for an entire fleet
- Analysis of fleet performance with analytical tools and/or dashboards
- Providing advice on the best suitable tug composition within a certain operation or port

INNOVATIONS

Innovation is at the heart of the KOTUG's Maritime Excellence Center. Here all KOTUG innovations, like the Hybrid Rotortug 2.0 or the KO-LINK, have been developed and managed. We provide innovative solutions to ongoing technical and operational issues, in terms of propulsion, fuel systems, emissions and towing equipment, aiming to have the best possible tug and fleet configuration for the job.

4. NEWBUILDING

For many years KOTUG has been supervising and managing the newbuilding of its state-of-the-art fleet, at yards all over the world. We help ship owners to ensure that vessels are built on time and within budget and against a set of quality specifications. The KOTUG newbuilding team can deliver services for all newbuilding projects and other activities, e.g.:

- Newbuilding supervision
- Yard selection
- Purchasing support, such as valuations of second hand vessels
- Supplier vetting and auditing
- Providing advice on the most suitable tugs for the client's requirements