

Weilbach Optimizer

Safer, faster, more fuel-efficient voyages

Challenges with conventional voyage planning

- Weather and sea conditions can change continuously during a voyage
- Generic routing can draw false assumptions and leave unrealized voyage potential
- Navigability breaks during optimization, even on a bridge-approved passage plan
- Masters and shore teams need clear, practical options they can act on

Weilbach Optimizer turns voyage data into better routing decisions.

What you get with Weilbach Optimizer:

Bridge-ready workflow – create a fully navigable route with auto-routing, make local edits, send for optimization, and receive an optimized route back in just a few clicks

Full navigability – maintained from planning through every optimization, from berth to berth, not just between pilot stations

Vessel specific optimization – wind, waves, currents and draft-dependent vessel performance, with 1-2 million route assessed per navigation

Real-world data, continuously updated – high-resolution weather forecasts, AIS positions and current data keep calculations relevant as conditions change

Clear commercial choices – compare optimized routes by time, cost and fuel impact with speed profiles and weather information to support the final decision

Safer, greener voyages – avoid heavy weather, reduce fuel consumption and improve voyage times without compromising safety or schedules

Trusted by 50+ shipping companies worldwide

| 10% lower fuel consumption* | 2%+ shorter voyage time* | 13% less heavy-weather exposure* |

AIS DATA



WEATHER DATA



CURRENTS



VESSEL DATA

1 Officers plan a route in Viewer

2 The route is sent to Optimizer server for analysis and optimization

3 The optimized route options are created with time, cost and fuel impact

4 The crew selects and executes the best route

See what Optimizer can do for your operations.



Our offices in Denmark, Egypt, Singapore & Canada provide worldwide 24/7 support.

www.weilbach.com

* Proven impact reported from a leading owner and operator.