

ESTIMATING WITH COSTFACT AI

No historical vessel to use as a template? No problem – create your ROM from what you know.

A new inquiry can be difficult when the vessel to be built has no equivalent in your estimating database. You may know the principal dimensions and some technical characteristics – but not enough to build a detailed estimate from your usual templates.

CostFact AI helps you build a ROM estimate for vessels you haven't estimated before.

THE PROCEDURE

01

DESCRIBE

Enter the vessel information you have: ship type, dimensions, characteristics, labour considerations and any other relevant parameters are entered through a guided interface.

You only know a small number of parameters? That's OK. CostFact AI will tell you what information matters.

02

ESTIMATE

CostFact sends the vessel information together with your own, individual WBS to the AI. All data is encrypted using industry-standard security measures and will not be used to train the AI model.

The AI generates estimates for each WBS element, including labour hours and material costs. It also gives you the assumptions, sources and confidence levels. Moreover, it indicates which additional information could improve the result.

03

UNDERSTAND & IMPROVE

Review the AI-generated estimates rather than simply accepting the numbers. The provided background information helps you understand why the estimate looks the way it does and where it can be improved.

04

INTEGRATE

Once reviewed, you can seamlessly transfer the AI-generated results into your CostFact project with one click.

THE RESULT

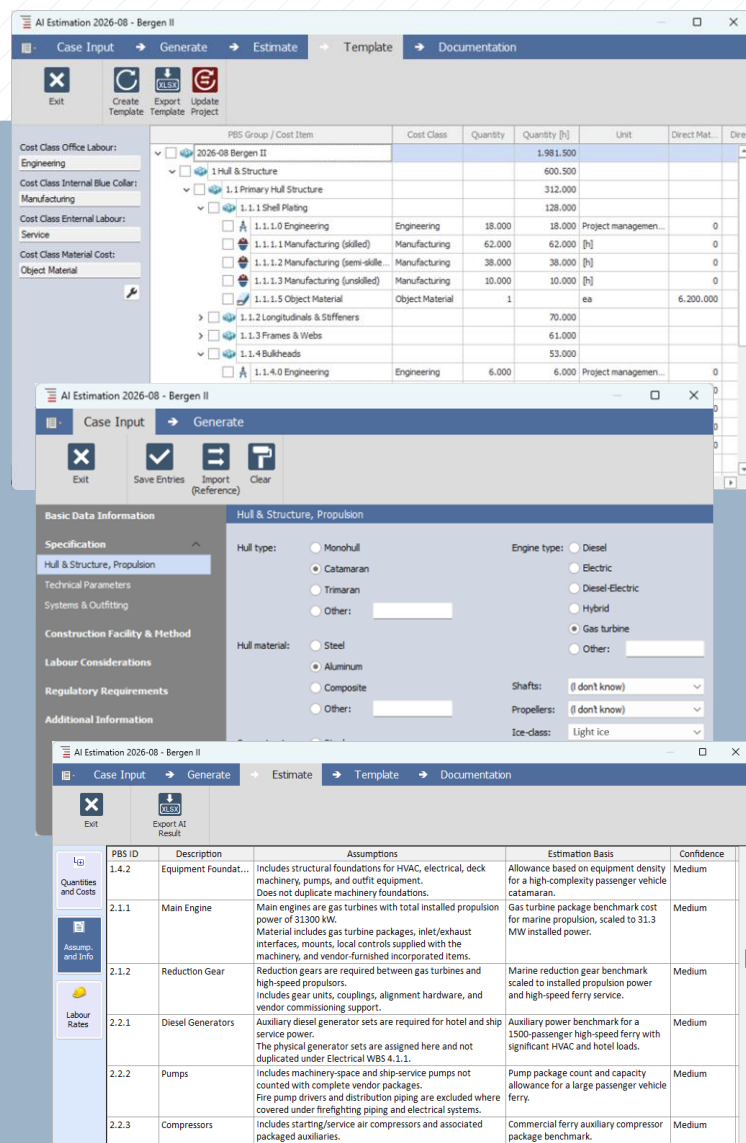
You receive a structured starting point for your estimate – without having to find a historical vessel that doesn't really exist. And the AI doesn't just give you an answer. It shows you how it got there – what it knows, what it assumes, and what it needs to know next.

THE COSTFACT ADVANTAGE

AI with a direct path into your estimating workflow.

CostFact AI is not a separate chatbot or standalone calculation tool. It works within your CostFact environment and with your WBS. The AI-generated results can be integrated directly into your CostFact estimate. That means the AI becomes part of your established estimating process rather than creating another isolated source of information.

- ➔ Start with what you know.
- ➔ Understand what the AI assumes.
- ➔ Improve what you can.
- ➔ Get your estimate in CostFact.



The screenshots illustrate the CostFact AI Estimation workflow:

- Case Input:** Shows the 'Generate' button and the 'Estimate' tab.
- Estimate:** Displays a detailed table of cost items, including quantities, units, and direct materials.
- Template:** Shows the 'Generate' button and the 'Estimate' tab.
- Documentation:** Shows the 'Generate' button and the 'Estimate' tab.

The 'Estimate' tab displays a table with the following data:

PBS ID	Description	Assumptions	Estimation Basis	Confidence
1.4.2	Equipment Foundat...	Includes structural foundations for HVAC, electrical, deck machinery, pumps, and outfit equipment. Does not duplicate machinery foundations.	Allowance based on equipment density for a high-complexity passenger vehicle catamaran.	Medium
2.1.1	Main Engine	Main engines are gas turbines with total installed propulsion power of 31300 kW. Material includes gas turbine packages, inlet/exhaust interfaces, mounts, local controls supplied with the machinery, and vendor-furnished incorporated items.	Gas turbine package benchmark cost for marine propulsion, scaled to 31.3 MW installed power.	Medium
2.1.2	Reduction Gear	Reduction gears are required between gas turbines and high-speed propellers. Includes gear units, couplings, alignment hardware, and vendor commissioning support.	Marine reduction gear benchmark scaled to installed propulsion power and high-speed ferry service.	Medium
2.2.1	Diesel Generators	Auxiliary diesel generator sets are required for hotel and ship service power. The physical generator sets are assigned here and not duplicated under Electrical WBS 4.1.1.	Auxiliary power benchmark for a 1500-passenger high-speed ferry with significant HVAC and hotel loads.	Medium
2.2.2	Pumps	Includes machinery-space and ship-service pumps not counted with complete vendor packages. Fire pump drivers and distribution piping are excluded where covered under firefighting piping and electrical systems.	Pump package count and capacity allowance for a large passenger vehicle ferry.	Medium
2.2.3	Compressors	Includes starting/service air compressors and associated packaged auxiliaries.	Commercial ferry auxiliary compressor package benchmark.	Medium

Ready to take a look at CostFact AI? Request a demo on www.costfact.com