Cost Management in Naval Shipbuilding

Estimating, Planning and Optimizing the Costs of Submarines and Surface Vessels
90-Minutes-Webinar on 9th Sept. 2021 (10am BST) and 10th Sept. 2021 (2pm BST)

TOPIC

Cost Management starts with the proposal and bidding process. Naval projects have high requirements and specific demands on cost estimation and cost planning.

PRESENTATION

The presentation "Cost Management in Naval Shipbuilding" will offer the opportunity to learn about suitable costing methods. A focus is on the software "CostFact". This system supports cost planning from early bidding stages on and combines several advanced methods.
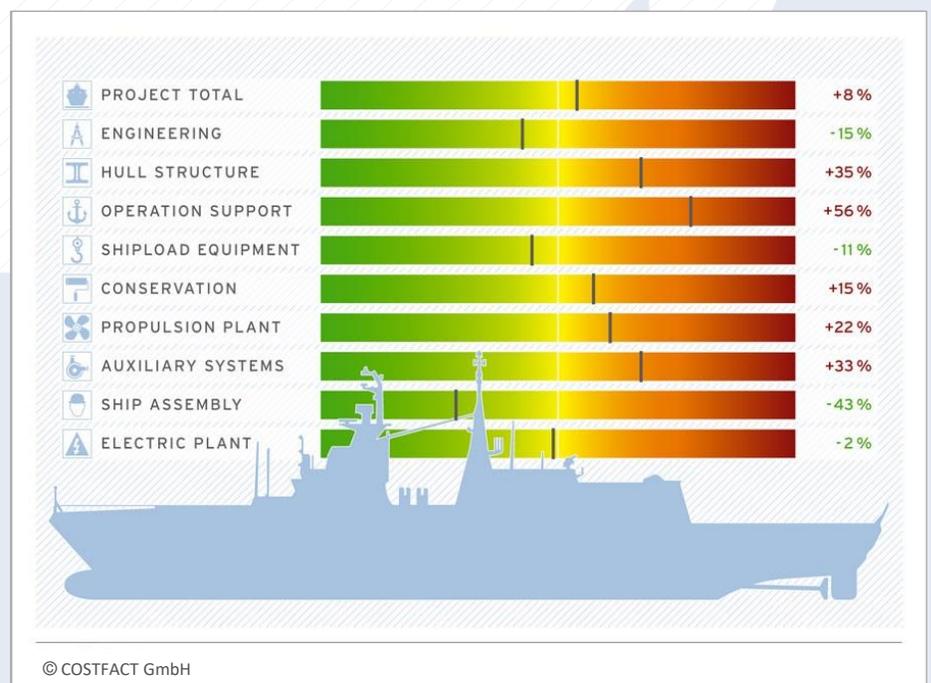
COSTFACT BACKGROUND

CostFact was developed particularly for the maritime sector and in close cooperation with some of the leading shipyards, which means that a number of best-practice methods have been incorporated into the system. Various naval shipyards rely on CostFact and use it as their central tool for cost estimation and cost planning. In 2018, the worth of newbuilding projects which were actively processed by the users in CostFact, exceeded the amount of 20 billion euros.

DATE AND REGISTRATION

The presentation will take place on 9th Sept. 2021, 10.00 to 11.30 BST and 10th Sept. 2021, 14.00 to 15.30 BST. Sign in information will be emailed to registrants. To register, please send an email to **event@costfact.com** by 6th Sept. 2021.

HIGHLIGHTS

➔ Generate **New Project Calculations** including the utilization of past projects

➔ Use **Parametric Costing** approaches for cost prediction

➔ Calculate and quote **Options** and **Change Orders**

➔ Optimise the **Selection of Supplier Quotations**

➔ Create multiple **Reports & Exports**

➔ Calculate **Ship Programs** (ship/boat series) including non-recurring cost, learning curves and cost escalation

➔ Calculate **Cash Flow** and **Financing Costs** with revenues and interests

➔ Derive cost norms by **Statistical Analyses** of existing projects (CERs, Norms and Regression Functions)

➔ Utilize **Design Model Data** for the calculation

➔ Use **several SWBS-Codes** within one project

➔ Assess the **Reliability of Cost Predictions** and calculate the prospective forecast error

➔ Determine and achieve **Target Costs**

➔ Gain a new cost view by **Capability Costing**

➔ Calculate **Life Cycle Cost** with **different Scenarios**

PROJECT TOTAL	+8 %
ENGINEERING	-15 %
HULL STRUCTURE	+35 %
OPERATION SUPPORT	+56 %
SHIPLOAD EQUIPMENT	-11 %
CONSERVATION	+15 %
PROPULSION PLANT	+22 %
AUXILIARY SYSTEMS	+33 %
SHIP ASSEMBLY	-43 %
ELECTRIC PLANT	-2 %

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CostFact improves cost management.

CostFact Users and Company COSTFACT

thyssenkrupp

Marine Systems, Submarines

LÜRSSEN

(MKS 180)

thyssenkrupp

Marine Systems, Surface Vessels

Blohm+Voss

FASSMER

SOUTHERN AFRICAN SHIPYARDS

GERMAN NAVAL YARDS KIEL

LARSEN & TOUBRO

COSTFACT GmbH is the exclusive provider of the shipbuilding-tailored cost management system "CostFact". Among the clients are some of the most renowned builders of naval vessels like ThyssenKrupp Marine Systems, Blohm+Voss, German Naval Yards and Larsen & Toubro. Collaborations with Technical University Delft and Technical University Berlin (Department for Design and Operation of Maritime Systems) guarantee the integration of state-of-the-art methodology.

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