

EB



WHO WE ARE

- Blom Maritime is a part of the TECO Maritime Group.
- Focus on Marine engineering and Naval architecture.
- Our subsidiary offices are strategically positioned worldwide.
- We specialize in capturing and optimizing “as-is” data for improved engineering and project execution.

2014

BLOM MARITIME AS

Headquarters office
was established in
Oslo, Norway



2015 Nov.

BLOM MARITIME Sp. Z O.O.

Opened office in Krakow,
Poland



2015 Apr.

BLOM MARITIME Inc.

Opened office in Miami
Fort Lauderdale
Florida, USA



2017

BLOM MARITIME

Establish office with
partner in Pula,
Croatia



2018

BLOM MARITIME Pte.

Opened office in
Singapore



2020

BLOM MARITIME Partner

Opened office in
Cartagena de Indias,
Colombia

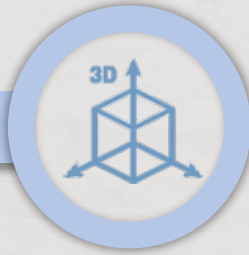


OUR MISSION

To be the leading provider of 3D digital data capture, while supplying superior systems, naval architectural design and engineering services, within the industries we serve. Produces at is factory returns to our shareholders, while operating within a dynamic and challenging environment, for our employees, while ensuring company HSEQ values remain firm.

WHAT WE DO

BLOM Maritime is multi-disciplinary team of project managers, naval architects, piping engineers, structural engineers, Surveyors and data analysts capable to execute varieties of engineering tasks. As world leading supplier of 3D digital data capturing, we base our work on “as-is” data for improved engineering and project execution. All of that dedicate us to meet the goals on schedule and with high accuracy. BLOM Maritime sets itself apart by an attitude of group-responsibility and working together to achieve client expectations.



3D Scanning

By using the newest technology and high accuracy equipment we are able to provide data perfect for our engineers.



Naval Architecture

Across marine industry, we bring together the scope, technology and determination to transform our client's requirements.



Marine Engineering

Our services include concept and detail engineering for BWTS, EGCS & Chiller System.



Installation Support

Our survey engineers are specialized in challenging environment of marine and oil industry across whole world.



Web Portal

This inhouse made tool makes it easy to view our design in the point cloud from any platform with an internet connection.

7 STEPS



1

Equipment and System selection

- We assist owners and shipyards in selecting the right equipment.
- Rules and regulation.
- Confusions can be addressed and solved early.
- We assist throughout the process.

2

Survey and 3D Laser scanning

- Retrofit survey.
- 3D laser scanning.
- Virtual representation.
- Cloud data with an accuracy of +/-2 mm is achieved.
- No interruption to the assets's operations, while scanning.

3

3D Conceptual design

- Conceptual design
- Virtual merging existing systems with new design.
- Alternative solutions discussed.
- Multiple systems could be modelled to verify their suitability on board.
- Conceptual design freeze.

4

Detail engineering

- Multi-disciplinary concurrent engineering.
- Pipe, Structure and electrical design.
- ISO and Updated CA drawings.
- Flow/Stress calculations.
- Drawings & documents.
- Design validation.
- Material takeoff.

5

Class approval

- All deliverables submitted to class authorities.
- Criteria of class rules are followed while design.
- Our deliverables are standardized to match class requirements.
- Minimal changes to deliverables after class comments.
- Class comments are addressed diligently
- Smooth class approval process.
- Class approval process will go on till Installation and commissioning phase.

A faded background image of an industrial site, likely an offshore oil or gas platform. Several workers wearing hard hats and safety gear are visible, along with various pieces of machinery and structural elements. The scene is brightly lit, suggesting a clear day.

6

Purchasing and pre-fabrication

- MTO.
- Pre-fabrication of pipes and structures.
- Companies within The Maritime Group can be used for procurement, pre-fabrication and installation.
- Highly skilled fabricators and welders.
- Superior fabrication facilities.
- Quality without compromise.

7

Installation and commissioning

- Installation and Commissioning tasks.
- Installation can be done in dry-dock, along side or at sea.
- At any geographical locations.
- Installation report which indicate scope of work to the shipyard.
- Supervision & crew training while Installation and commissioning.

EGCS

- Scrubbers are used to clean SOx, while using HFO.
- We are leaders in Scrubber retrofits.
- Single point of contact.
- Potential for increase in Scrubber cost(2020).
- We deal with all types of scrubber suppliers.
- Possible return on investments within a few years depending on vessels fuel consumption.

2800mm

2900mm

2900mm

2800mm

2800mm

2800mm

2850mm

2800mm

28

FR-70

FR-74

FR-78

FR-82

FR-86

FR-90

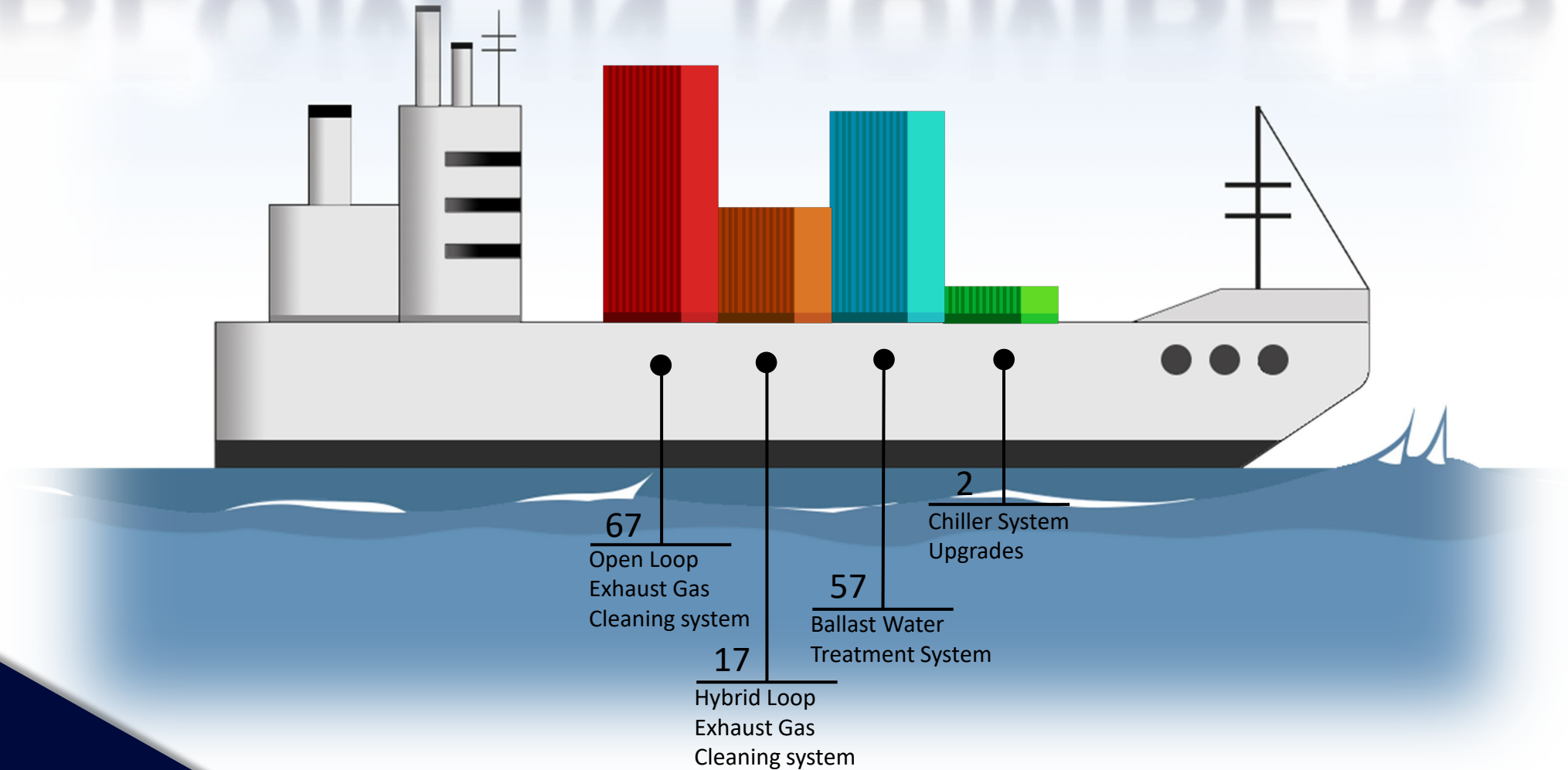
FR-94

FR-98

BWTS

- We retrofit any BWTS (UV, EC or Chemical).
- We ensure full compliance with USCG and IMO.
- Flexible and adaptable to any ballast pump flow rate.
- BLOM Maritime is authorized partner to a number of makers.
- BLOM will suggest the optimal BWTS for the specific vessel type.
- Turnkey solution: 3D Scanning, Installation, Commissioning and Service.

BLOM IN NUMBERS



R&D

As a member of TECO Maritime Group, we are strongly focused on constant improvement and green recourses of energy. Our R&D team sets the directions of technology development to meet the growing expectations of our business partners.

HYDROGEN

We believe that hydrogen fuel is the future for zero-emission in the marine industry. Over the past few years, we have observed a strong growth of infrastructure for this type of fuel for new powertrains. As a Norwegian company, we adhere special attention to safety and we focus our resources on storage and refueling system for hydrogen in the marine industry. With TECO2030 and AVL we are capable to create a cost-efficient and optimal solution for both retrofit and future new builds projects.





NUBES

This in-house interactive virtual platform allows clients to check the custom design in the scanned digital twin from their own office. It is a vital tool for visualizing the design and showing the clients exactly what will be installed.

Our solution reduces risk, installation time, and make sure there are no surprises. The platform supports multi-user access and VR, from all major web browsers. The data is secured with security certificates and a unique password for each user for easy access.

E Self-weight
Total Deformation
Type: Total Deformation
Unit: mm
Time: 1
01/06/2016 04:11

ADVANCED ENGINEERING

Thanks to constant development in CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis) BLOM Maritime delivering higher quality products to the clients, in a shorter period of time.

Digital Twin for our Team is not only a marketing slogan. This technology is already implemented in BLOM Maritime environment which gives us a perfect overview during design at each stage of the project.

Close cooperation with AVEVA and ANSYS, put us in the top league of engineering houses.

AVEVA

175.00

ANSYS

525.00

700.00 (mm)

OUR PARTNERS



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BLOM Maritime

Marine | Offshore | Power