

BALLAST WATER TREATMENT RETROFIT SOLUTIONS

QUOTATION → SURVEY → 3D SCAN → ENGINEERING → PURCHASING → FABRICATION → INSTALLATION → SUPERVISION → START UP

ALL IN ONE STOP SOLUTIONS

FABRICATION in ADVANCE

- We prefabricate pipe spools, foundations within our DNV- GL approved workshop to save time at docking and to save budget at dock.

LOGISTICS/TRANSPORTS/CUSTOMS

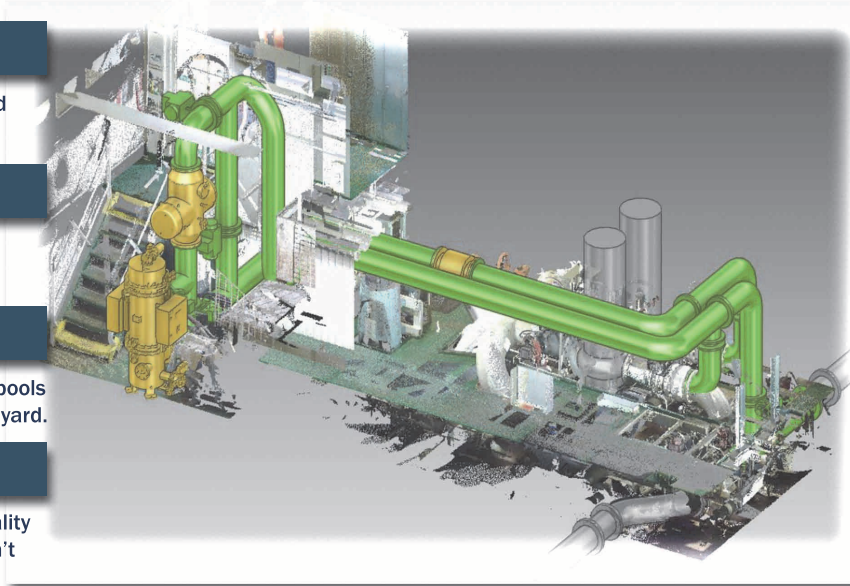
- We organise logistics of all prefabricated spools, foundations, BWTS equipments, electrical components to dedicated dock or ship.

INSTALLATION

- Our senior engineers coordinates installation of BWTS equipments, spools and electrical installations to minimise client cost created by docking yard.

DOCUMENTATION/QUALITY/CLASS

- We provide all documentation/certificates/datasheets within our Quality Booklet to Class and shipowner for future records. So Shipowner doesn't deal with paper works.



OUR ADVANTAGES



- All in one stop/Turnkey solution
- Generally yards claim/blaims Ship owner's design or manufacturer for their mistakes to charge extra money on WBT installations, We eliminate this cost and surprise occurs at installation.
- Total cost effective package/lumpsum agreement.
- Ensuring installation done on 1st time, correctly
- All engineering, production and operation experience in one company
- Prefabricated containerized/deckhouse solutions
- Prefabrication /supplying of galvenised/ GRE pipes, foundations within our DNV-GL approved workshop and delivery to shipyard.
- Supplying/procurement /delivery of ballast treatment equipment ,any electrical panels, pumps, valves, pumps, gratings,bolts nuts, gaskets and any material necessity according to retrofit project with well known brands.
- Installation on vessel at the retrofit yard or supervision on vessel at the retrofit yard

ITEMAR
MARINE SOLUTIONS

Vakum Sokak No:8 D:2 34956 Deri Osb.
Tuzla- Istanbul / Türkiye
Phone: +90 536 280 2895
wbt@itemar.com.tr
www.itemar.com.tr

DNV·GL



BALLAST WATER TREATMENT RETROFIT SOLUTIONS

BWTS IS NOT EASY... There are many factors have to be taken into consideration,

Such as:

- System type selection according to ship type
- Yard Scope
- Availability of electrical power
- Current Ballast pumps pressure head check
- Availability of Engine room space
- Class/Flag Rules
- Vessel Trading Area
- Communication of BWTS with current ship system
- Capex and Opex Costs
- Delivery terms
- Installation time at Shipyards



THATS WHY WE PROVIDE TURNKEY SOLUTIONS

ITEMAR offers cost effective and fast total BWT solutions that cover the entire process of choosing and installation. The stages involved include system selection, survey & 3D scanning, engineering, procurement, installation, commissioning when needed.



- 3D scan/ onboard survey.
- Engineering.
- Equipment arrangement in engine room, pump room or deckhouse.
- Structural /foundation arrangement drawings.
- Schematics and P&IDs for Class.
- Ballast Water Management Plan.
- Piping arrangement and isometric drawings.
- Electrical drawings/cable lists.
- Installation notes and drydock specification/determination of yard scope.

ITEMAR
MARINE SOLUTIONS

Vakum Sokak No:8 D:2 34956 Deri Osb.
Tuzla- Istanbul / Türkiye
Phone: +90 536 280 2895
wbt@itemar.com.tr
www.itemar.com.tr



DNV-GL