

SONIHULL
ULTRASONIC ANTI-FOULING SYSTEM

SONIHULL8
ULTRASONIC ANTI-FOULING SYSTEM



SAVING THE OCEANS, ONE SHIP AT A TIME

PROJECT
REFERENCES

Commercial, Military, Coastguard & SAR Vessels

SONIHULL

ULTRASONIC ANTI-FOULING SYSTEM

PROJECT REFERENCE



45" RESPONSE BOAT MEDIUM (RBM)

Fitted with the NRG Sonihull System

January 9, 2014

In 2013 we sent a Kvichak Marine built all aluminum 45' Response Boat Medium (RBM) to the Middle East for a 6 country sales demonstration tour.

The weather conditions in the Middle East are extreme and require a lot of extra attention and forethought. The ambient air temperatures range from 65 to 120+ degrees Fahrenheit and water temperatures from 70 to 95 +degrees.

We installed a Dual Sonihull in June 2013 as our boat was going to sit idle for the next six months.

We installed one unit forward and one unit aft. Installation was easy with either 120V DC or 240V DC power input.

The extreme warm waters in this region normally create a very high rate of sea growth on the hull and running gear. Upon return to duty the boat was hauled and found to be in great condition with no adverse growth whatsoever on the hull.

We found no need for pressure washing or cleaning thereby eliminating any by-product or toxins going back into the local waters making this an environment friendly product that really works.

We were very pleased with the results from our Sonihull Duo.

Sincerely,

Steve Parker
Marine Operations Manager

PROJECT REFERENCE



MILITARY AND COAST GUARD PROJECTS.

Sonihull proves successful on coast guard MTR16 patrol boat.

Recent test carried out by ADSB on a 16 metre fast patrol boat with a composite Kevlar and carbon hull showed excellent results.

The test involved 2 similar boats, one with Sonihull Duo installed and one without. The vessels were left moored up within a few meters of each other for a 4 week period.

after the first week a noticeable difference could be seen, by the end of the 4th week, the results were conclusive. The Vessel fitted with Sonihull had little or no growth over the entire hull, while the other vessel was found to have so much growth the vessel struggled get on the plane.

As a result of this test Sonihull will be included in all future standard project specifications.

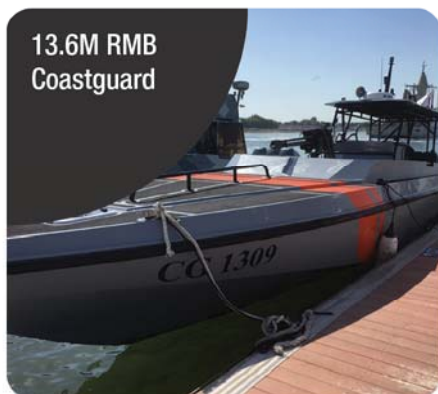
MILITARY, COASTGUARD & SAR VESSEL
REFERENCES

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MILITARY, COASTGUARD & SAR VESSELS



**13.6M RMB
Coastguard**

Vessel
Type 13.6m RMB
Unit installed Coastguard
x2 Sonihull Duo
Location Arabian Gulf



**Patrol Boat
Coastguard**

Vessel
Type Vigilant Patrol Boat
Unit installed US Coastguard
x2 Sonihull Duo
Location United States of America



**SAR
Coastguard**

Vessel
Type Search And Rescue
Unit installed Coastguard
x2 Sonihull Duo
Location



**MTR16 Patrol Boat
Coastguard**

Vessel
Type Kevlar / Carbon fast
Unit installed Patrol Boat
x2 Sonihull Duo
Location United Arab Emirates



**45M RMB
Coastguard**

Vessel
Type 45" RMB
Unit installed US Coastguard
x2 Sonihull Duo
Location United States of America



**Patrol Boat
Coastguard**

Vessel
Type Patrol boat
Unit installed Bahrain Coastguard
x2 Sonihull Duo
Location Kindom of Bahrain



**CMN Class
Corvette
Military**

Vessel
Type CMN Class Corvette
Unit installed 72m. multipurpose
x12 Sonihull Duo missile corvette
Location France / Arabian Gulf



SAR Gavia

Vessel
Type SAR Gavia
Unit installed Search And Rescue
x3 Sonihull Duo
Location Spain



SAR Maria Pita

Vessel
Type SAR Maria Pita
Unit installed Search And Rescue
x1 Sonihull Duo
Location Spain

MILITARY, COASTGUARD & SAR VESSELS

SAR Marta Mata



Vessel SAR Marta Mata
Type Search And Rescue
Unit installed x6 Sonihull Duo
Location Spain

Patrol Boat
Coastguard



Vessel Patrol Boat
Type Bangladesh Coastguard
Unit installed x1 Sonihull Duo
Location Bangladesh

Patrol Boat
Coastguard



Vessel Vigilant Patrol Boat
Type Kuwait Coastguard
Unit installed x2 Sonihull Duo
Location Kuwait

"Finally, I am proud to inform you that the first Sonihull anti-foul system has been installed on one of the SAR vessel without any problem. We have installed two transducers on the intake of the Waterjets, one between Engine & generator & one in accommodation. After finding this project successful, many other vessels will be in the row."

Ali Karsaz
SAR Vessel - Arabian Gulf

"Vigilant coming out to dry dock in Kuwait, she has been in the water for almost a year (February 2015) and is in a pretty impressive condition. There are no fouling at all."

Dean Thomas
Vigilant Patrol Boat - Kuwait

"I have now used Sonihull on two Southerly yachts I have owned, and I have to admit I am delighted."

Peter Bell
Southerly Yachts - United Kingdom

"Just a quick note to let you know how well your sonihull system has worked on my 37 Ft Beneteau. The only growth is on the underwater lights with the flexible sealant Siloflex which has obviously isolated the ultrasonics from getting through! Impressive!!"

Capt. Rolando
Beneteau 37 - United Kingdom

"Before Sonihull was installed the bottom would have to be physically cleaned by divers twice in a season. And the yacht's performance is noticeably & consistently improved due to having a clean hull."

Richard
Nautor's Swan - Palma De Mallorca

"During the last 8 months, Sonihull system has outperformed my best expectations, on weekly inspections we have seen no signs of growth nor have we had to clean the strainers only for light debris, we have inspected the manifold and coolers with an endoscope and again no signs of growth which in turn has benefited all auxiliary sea water systems thereafter."

Steve Whiteside
M/Y Sibelle 44 - United Kingdom

COMMERCIAL & INDUSTRIAL VESSEL
REFERENCES

SONIHULL

ULTRASONIC ANTI-FOULING SYSTEM



COMMERCIAL & INDUSTRIAL VESSELS

**Argyll Flyer
Ferry**



Vessel
Type
Unit installed
Location

Argyll Flyer
Passenger ferry
x2 Sonihull Duo
Gourock

Farm Barge



Vessel
Type
Unit installed
Location

Farm barge
Industrial boat
x3 Sonihull Duo
United Kingdom

**Offshore
Wind Farm**



Vessel
Type
Unit installed
Location

Wind Farm
Service vessel
x2 Sonihull Duo
United Kingdom

Ocean Harvest



Vessel
Type
Unit installed
Location

Ocean Harvest
Fishing vessel
x3 Sonihull Duo
Peterhead

Harvest Hope



Vessel
Type
Unit installed
Location

Harvest Hope
Fishing vessel
x4 Sonihull Duo
Peterhead

Norbulk Shipping



Vessel
Type
Unit installed
Location

MFV Mesdar
Shipping vessel
x10 Sonihull Duo
Glasgow

Kjelsvik



Vessel
Type
Unit installed
Location

Kjelsvik
Fishing vessel
x3 Sonihull Duo
Peterhead

Starlight Rays



Vessel
Type
Unit installed
Location

Starlight Rays
Fishing vessel
x3 Sonihull Duo
Peterhead

Keila K121



Vessel
Type
Unit installed
Location

Keila K121
Fishing vessel
x3 Sonihull Duo
Orkney

COMMERCIAL & INDUSTRIAL VESSELS



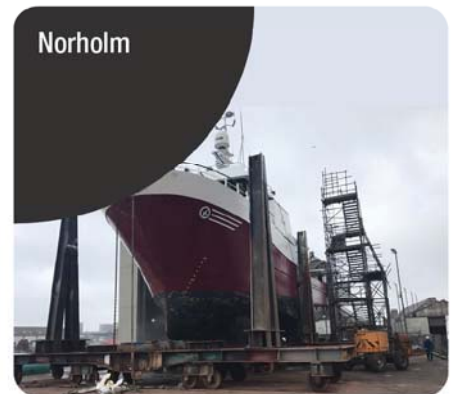
Inverlussa

Vessel
Type Inverlussa Marine
Unit installed x1 Sonihull Duo
Location Inverlussa



Pentalina Ferry

Vessel
Type Pentalina Ferry
Unit installed x2 Sonihull Duo
Location Orkney



Norholm

Vessel
Type Norholm
Unit installed x3 Sonihull Duo
Location Shetland



Resilient LK195

Vessel
Type Resilient LK195
Unit installed x2 Sonihull Duo
Location Whitby



Windcat 3

Vessel
Type Windcat 3
Unit installed x4 Sonihull Duo
Location Lowestoft



Damen Shipyard

Vessel
Type Damen 2610
Unit installed x6 Sonihull Duo
Location Singapore



Hayley B GU355

Vessel
Type Hayley B GU355
Unit installed x1 Sonihull Duo
Location United Kingdom



Blue Haze J94

Vessel
Type Blue Haze J94
Unit installed x1 Sonihull Duo
Location United Kingdom



Alison Kay LK57

Vessel
Type Alison Kay LK57
Unit installed x3 Sonihull Duo
Location United Kingdom

BOX COOLER
REFERENCES

SONIHULL

ULTRASONIC ANTI-FOULING SYSTEM



BOX COOLERS

**M/V Bourbon
Supporter**



Vessel
Type
Unit installed
Location

MV Bourbon Supporter
3052 tonne support vessel
x12 Sonihull Duo
Ireland

VB Reyser



Vessel
Type
Unit installed
Location

VB Reyser
Tug boat
x2 Sonihull Duo
Spain

Inverlussa



Vessel
Type
Unit installed
Location

Inverlussa
Support vessel
x Sonihull Duo
Inverlussa

Endeavour IV



Vessel
Type
Unit installed
Location

Endeavour IV
Fishing vessel
x2 Sonihull Duo
Fraserburgh

VB Soñador



Vessel
Type
Unit installed
Location

VB Soñador
Tug boat
x5 Sonihull Duo
Spain

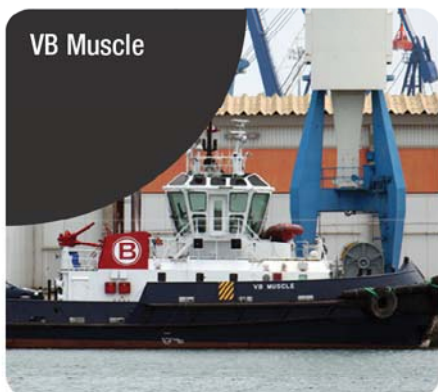
VB Poder



Vessel
Type
Unit installed
Location

VB Poder
Tug boat
x5 Sonihull Duo
Spain

VB Muscle



Vessel
Type
Unit installed
Location

VB Muscle
Tug boat
x5 Sonihull Duo
Spain

VB Conqueridor



Vessel
Type
Unit installed
Location

VB Conqueridor
Tug boat
x5 Sonihull Duo
Spain

VB Llevant



Vessel
Type
Unit installed
Location

VB Llevant
Tug boat
x7 Sonihull Duo
Spain

BOX COOLERS

VB Rota



Vessel
Type
Unit installed
Location

VB Rota
Tug boat
x5 Sonihull Duo
Spain

VB Almería



Vessel
Type
Unit installed
Location

VB Almería
Tug boat
x5 Sonihull Duo
Spain

VB Anibal



Vessel
Type
Unit installed
Location

VB Anibal
Tug boat
x3 Sonihull Duo
Spain

VB Lanzarote



Vessel
Type
Unit installed
Location

VB Lanzarote
Tug boat
x5 Sonihull Duo
Spain

Boluda Tanker



Vessel
Type
Unit installed
Location

Boluda Tanker
Bunker vessel
x2 Sonihull Duo
Spain

VB Remolcanosa



Vessel
Type
Unit installed
Location

VB Remolcanosa
Tug boat
x3 Sonihull Duo
Spain

VB Cádiz



Vessel
Type
Unit installed
Location

VB Cádiz
Tug boat
x5 Sonihull Duo
Spain

VB Asdrubal



Vessel
Type
Unit installed
Location

VB Asdrubal
Tug boat
x3 Sonihull Duo
Spain

VB Jerez



Vessel
Type
Unit installed
Location

VB Jerez
Tug boat
x5 Sonihull Duo
Spain

BOX COOLERS



VB Xaloc

Vessel
Type Tug boat
Unit installed x11 Sonihull Duo + 1 Mono
Location Spain



VB Xerea

Vessel
Type Tug boat
Unit installed x11 Sonihull Duo + 1 Mono
Location Spain



VB Ceballos

Vessel
Type Tug boat
Unit installed x11 Sonihull Duo + 1 Mono
Location Spain



VB Juan Gonzalez

Vessel
Type Tug boat
Unit installed x11 Sonihull Duo + 1 Mono
Location Spain



Investigador

Vessel
Type Research vessel
Unit installed x5 Sonihull Duo
Location Spain



Anuket Amber

Vessel
Type Oil tanker vessel
Unit installed x3 Sonihull Duo
Location United Kingdom



Anuket Ivory

Vessel
Type Oil tanker vessel
Unit installed x3 Sonihull Duo
Location United Kingdom



Anuket Jade

Vessel
Type Oil tanker vessel
Unit installed x3 Sonihull Duo
Location United Kingdom



Anuket Ruby

Vessel
Type Oil tanker vessel
Unit installed x3 Sonihull Duo
Location United Kingdom

BOX COOLERS



Anuket Sapphire
Vessel
Type Oil tanker vessel
Unit installed x3 Sonihull Duo
Location United Kingdom



Benarkle II
Vessel
Type Fishing Boat
Unit installed x2 Sonihull Duo
Location United Kingdom



Alison Kay
Vessel
Type Fishing Boat
Unit installed x8 Sonihull Duo
Location Shetland



Pilot boat
Vessel
Type Tug boat
Unit installed x1 Sonihull Duo
Location United Arab Emirates



Pentalina Ferry
Vessel
Type Transport ferry
Unit installed x2 Sonihull Duo
Location Orkney

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