

SONIHULL

Ultrasonic Anti-foul Protection



Soni8 - The future of antifouling, Now!

PROJECT REFERENCES

Some of the many projects successfully completed by NRG Marine over the years.

SONIHULL

Ultrasonic Anti-foul Protection

SONIHULL

Ultrasonic Anti-foul Protection

BEFORE

AFTER



SEEING IS BELIEVING

Before picture shows 2 seasons of growth with just antifoul paint. The vessel was then cleaned and a Sonihull installed. After picture shows the great results with Sonihull after a full season, the hull was completely barnacle free.

20,000+
Units Sold

15,000+
Vessels Protected

“The intelligent anti-fouling solution”

PROJECT REFERENCE



TRINITY YACHT 51M

Fitted with the NRG Sonihull System

The Solution: Engineers from E-Tech Group's Dubai facility were asked to survey the problem and proposed the installation of the NRG marine Sonihull ultrasonic anti-foul system to the Sea Chests and Water Maker inlet. This already proven hull protection system had yet to be applied to aforementioned problem.

The Problem: Two raw water inlets (sea strainers) supplying all systems (engines, generators, air conditioning, fire pump and load bank). The two inlets have a conical shaped nylon mesh filter providing very fine filtration of the water entering the cooling system. Due to the fertile nature of the Dubai waters the filters were plagued with rapid algae, vegetation and barnacle growth, to such an extent that the filters required extensive cleaning every week in order to maintain the necessary flow of water. This cleaning process was time consuming, involving a lot of scraping and scrubbing to remove the growth that had managed to weave its roots into the fine filtration mesh.

The Installation: Given the layout of the engine room, the installation involved using 1x Sonihull duo and 1x Sonihull mono system. The IP67 Transducers were mounted on each of the sea chests below the water line and in this case were conveniently located below the floor plates. A third Transducer was mounted onto the side of the isolation valve for the water supply to the water maker, this was to provide protection not only to the valve from the build up of growth that could stop the valve from operating correctly, but also for the pipe work leading to the water making plant equipment. The IP65 Control boxes were mounted above the floor plates, allowing the crew to observe the indicator LEDs. The supply came directly from the 220VAC Distribution board at the aft of the engine room and all cabling was suitably dressed and secured on existing cable trays beneath the floor plates.

The Result: Following commissioning, the system was monitored over a four-week period, after which an inspection of the Strainers within the Raw Water Inlets (sea strainers) was carried out. The strainers were found to have very little growth and were still functional. The strainers did have a minor level of blockage due to the sand and silt, but this has to be expected and cannot be controlled by the sonihull system.

Summary: Since the success of the trials, the solution has been widely accepted by many of Owners, Captains and Engineers. The recommendations and endorsements have resulted in a number of Super Yachts in the region having the system fitted.

One of the filters after a quick hose down - previously weekly scrubbing of heavy build up was needed.

Comments from the Crew: Captain Geoff Clarke stated, "It is fantastic to find an innovative marine product on the market that does the job that it's designed to do, and as in our case, could be adapted to deal with other problems that arise from unwanted growth. I think NRG Marine along with ETech's experience within the marine industry have a big future together".

Chief Engineer Blake Holloway Commented, "I am delighted to see how effective NRG Marine's 'Sonihull' product has performed during our trials. Previously when we removed the Strainers before having Sonihull I found up to 40 mm of growth per week. Now we find that we have very little around 5mm, and is mainly sand and silt. The sea strainers are cleaned on a fortnightly basis now and the system has had a great impact on the growth and minimised the time taken to clean."

PROJECT REFERENCE



SUNSEEKER MANHATTAN 60

Fitted with the NRG Sonihull System

The aim of this installation was not just to cover the hull, but also to add extra protection to the running gear and rotating equipment.

Prior to using Sonihull this vessel was burning 280 litre's of fuel an hour, due to the fouling, now with the clean hull being maintained by Sonihull the consumption has dropped to 240 LpH 40 litre's an hour.

Transducer location: Duo, both mounted adjacent to the propellers shaft's. Mono, mounted directly to the bow thruster tunnel.

The owner was keen to point out, that although the savings in fuel cost was nice, he was more impressed by the potential savings on wear and tear of his engines not having to work so hard.

PROJECT REFERENCE



SAMAHANI BENETEAU OCEANIS 37

Fitted with the NRG Sonihull System

After one year with Sonihull and the pictures speak for them selves.

The owner stated that within the first two weeks he knew it was working as previously every two weeks he would have to degunge the speed log paddle wheel. In the last year he has not had to do it once!

This boat is owned by our Technical Director and was used for field trials for 18 months prior to the product being launched in to the Middle East at the Dubai Boat show.

During this period the extensive Alpha and Beta testing carried out ensured that the product was suitable for the warmer climates you would expect in the Middle East, Southern Med, Gold Coast and other tropics around the world.

The system has been installed for well over 2 years now with excellent results. So much so that the speed log paddle wheel has not needed cleaning since the Sonihull system was installed!

Pictures of boat being removed from Dubai's fertile waters after 1 year with Sonihull .

PROJECT REFERENCE



SAMAHANI AICON 62

Fitted with the NRG Sonihull System

The Owners Captain stated, every this need to be imported, so the cost of fuel and antifouling a boat is so expensive that he was very keen to experiment with the Sonihull system.

The results have been fantastic and now plans to add an additional mono to protect the bow thruster and bow area of the boat that are not covered too well by the transducers mounted at the rear of the 62 footer.

PROJECT REFERENCE



NAUTOR'S SWAN SAILING YACHT ANEMOS

Fitted with the NRG Sonihull System

March 27, 2012

34m sailing yacht Anemos, built by the renowned Finnish shipyard Nautor's Swan is a modern cruising sloop with a composite hull construction. Designed by well known German Frers, the Anemos superyacht was fitted with the NRG Sonihull System by E-Tech Yachting in early 2011, as an addition to her regular paint based antifouling, before she started her busy season cruising the Central as well as Eastern Mediterranean.

Anemos superyacht's captain, Richard Foster was really keen to see her underwater hull condition when she was hauled out at STP boatyard in Palma de Mallorca a year later in January 2012.

Richard was already pleased with the inconspicuous trouble free installation, and the fact that the system had required no onboard maintenance at all. Checking around the water line from the tender, and experiencing a noticeable improvement in the sailing performance of the luxury yacht Anemos throughout the season had shown very promising signs, so expectations were high!

Following our initial trials we decided to fit another 2 systems as hull anti-fouling, one duo unit on the hull plating above the propellers and another mono unit on a new 7 meter tender whilst we have not docked to date for final examination the transom area including the underwater lights has massively reduced as is the tender which is powered by solar panel.

And now the real test of Sonihull's antifouling effectiveness would be obvious as soon as the hull was clear of the water sitting in the travel lift slings. To Richard's delight there was no visible fouling at all on the hull, anywhere from the water line right down to the bottom of the keel.

He said; "I can only think of positives when it comes to commenting on this system! A friend who had it fitted on his boat in Dubai recommended it to us, so we had some track record to base our decision on. The major convincing factor in favour of us fitting SoniHull was the results from installation in the middle east, where there are serious growth problems due to warm water temperatures."

Would he continue using it and recommend it to others? "Based on these results I would say a resounding yes" said Richard. "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 and consistently improved due to having a clean hull."

PROJECT REFERENCE



BENETEAU 37

Fitted with the NRG Sonihull System

October 1, 2012

Dear Sonihull Team,

Just a quick note to let you know how well your sonihull system has worked on my 37 ft Beneteau.

Attached is a picture of a recent lift out that shows the hull is a clean, even on the bear gel coat.

The only growth is on the underwater lights that I attached with the flexible sealant Siloflex which has obviously isolated the ultrasonics from getting through!

Sincerely,

Rolando
Beneteau 37 - UK

NRG Response:

Dear Rolando,

Thanks for the pictures, its always nice to hear from a happy customer, For the underwater lights - (or should we call them underwater heaters in the current condition!) if you change the sealant to a hard epoxy adhesive you will 'see' the difference!

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



VITTERS 43M SAILING YACHT MYSTERE

Fitted with the NRG Sonihull System by E-Tech Yachting

Designed by renowned Bill Tripp, the 43m sailing yacht Mystere is an award winning spectacular sloop built by the prestigious Vitters Shipyard in Holland. The Mystere superyacht cruises and competes on both sides of the Atlantic and is often present in the various Superyacht Regattas.

Vitters 43m sailing yacht Mystere

E-Tech fitted the NRG Ultrasonic System to the Mystere superyacht's sea chests which had experienced problems with calcium growth, worm casts and algae, all negatively affecting the efficiency of the cooling.

After a year in service the luxury yacht Mystere's captain reported: "None of these substances were present at all, and the installation has been a 'plug and play' success, which just worked away quietly, and without any onboard attention required."

He is now planning to have Sonihull fitted in some underwater duct areas around the Mystere yacht's lifting keel.

NRG Sonihull system is an ultrasonic antifouling system marketed and installed by yacht electronics specialists E-Tech Yachting. Sonihull already has many years of research, development and proven practical use behind it. And E-Tech has all the expertise and resources needed to install it professionally and effectively, on all sizes of yacht from 10 metres up to superyachts.

PROJECT REFERENCE



NAUTOR'S SWAN 34M SAILING YACHT ANEMOS

Fitted with the NRG Sonihull System by E-Tech Yachting

34m sailing yacht Anemos, built by the renowned Finnish shipyard Nautor's Swan is a modern cruising sloop with a composite hull construction. Designed by well known German Frers, the Anemos superyacht was fitted with the NRG Sonihull System by E-Tech Yachting in early 2011, as an addition to her regular paint based antifouling, before she started her busy season cruising the Central as well as Eastern Mediterranean.

Nautors Swan 34m sailing yacht ANEMOS fitted with the NRG Sonihull System by E-Tech Yachting Anemos superyacht's captain, Richard Foster was really keen to see her underwater hull condition when she was hauled out at STP boatyard in Palma de Mallorca a year later in January 2012.

Richard was already pleased with the inconspicuous trouble free installation, and the fact that the system had required no onboard maintenance at all. Checking around the water line from the tender, and experiencing a noticeable improvement in the sailing performance of the luxury yacht Anemos throughout the season had shown very promising signs, so expectations were high!

Luxury yacht Anemos hauled out at STP boatyard in Palma de Mallorca

And now the real test of Sonihull's antifouling effectiveness would be obvious as soon as the hull was clear of the water sitting in the travel lift slings.

To Richard's delight there was no visible fouling at all on the hull, anywhere from the water line right down to the bottom of the keel.

He said; "I can only think of positives when it comes to commenting on this system! A friend who had it fitted on his boat in Dubai recommended it to us, so we had some track record to base our decision on. The major convincing factor in favour of us fitting SoniHull was the results from installation in the middle east, where there are serious growth problems due to warm water temperatures."

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.

PROJECT REFERENCE



MOTOR YACHT SIBELLE

12 June 2012

To Steve,

Engineer M.Y Hekinen

The yacht Sibelle a 44 meter Heesen has suffered from marine growth within the sea water manifold and associated systems causing blockages and the necessity to conduct regular cleaning in particular the hydraulic cooler and raised oil temperature during zero speed stabilization.

Following a full dismantle and cleaning of pipework's, manifold and coolers during the docking period we fitted the duo Sonihull ultra sonic system to our sea chest as an alternative to the Cathelco system, one transducer was bonded to the top side of one sea chest and the other was mounted mid-way down the manifold on a spare blanking plate, the power control unit was located close by and the system was put into operation very easily.

Following tested and observations during the last 8 months the 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.

Following our initial trials we decided to fit another 2 systems as hull anti-fouling, one duo unit on the hull plating above the propellers and another mono unit on a new 7 meter tender which we have not docked to date for final examination the transom area including the underwater lights has massively reduced as is the tender which is powered by solar panel.

I would have no hesitation to recommend NRG Sonihull system for marine Anti-fouling application.

Steve Whiteside
Chief Engineer
M/Y Sibelle
Email: eng@my-sibelle.com
Tel: +33 621 596 510

SUPERYACHT
REFERENCES

SONIHULL

Ultrasonic Anti-foul Protection



SUPERYACHT



Heesen
M/Y You & Me

Vessel M/Y You And Me 147ft.
Type Superyacht
Unit installed x2 Sonihull Duo
Location Antibes



Vitters Mystere

Vessel Vitters Mystere 43m.
Type Sailing yacht
Unit installed x4 Oceonic sea chest
Location Holland



Heesen
M/Y Sibelle

Vessel M/Y Sibelle 44m.
Type Sailing yacht
Unit installed x3 Sonihull Duo
Location Mediterranean



Nautor Swan
S/Y Mystere

Vessel S/Y Mystere 35m.
Type Sailing yacht
Unit installed x2 Sonihull Duo
Location Palma de Mallorca



M/Y Douglas
CtwoD

Vessel M/Y Douglas CtwoD
Type Superyacht
Unit installed x2 Sonihull Duo
Location Palma de Mallorca



Moonen
M/Y Phoebe

Vessel M/Y Phoebe 30m.
Type Superyacht
Unit installed x2 Sonihull Duo
Location United Kingdom



Heesen
M/Y San
Bernardo

Vessel M/Y San Bernardo 45m.
Type Superyacht
Unit installed x4 Sonihull Duo
Location



Christensen
M/Y Elisa

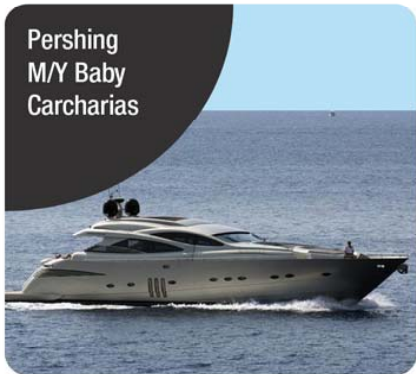
Vessel M/Y Elisa 45m.
Type Superyacht
Unit installed x5 Sonihull Duo
Location



M/Y Smyrna

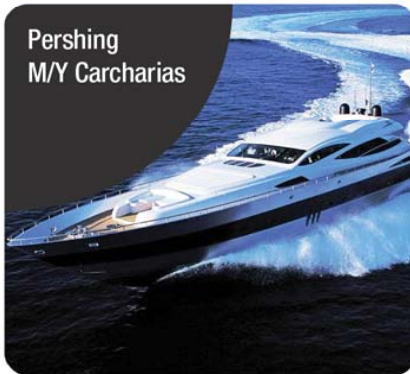
Vessel M/Y Smyrna 37m.
Type Superyacht
Unit installed x4 Sonihull Duo
Location

SUPERYACHT



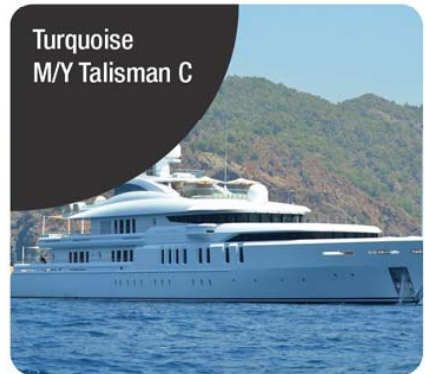
**Pershing
M/Y Baby
Carcharias**

Vessel Type M/Y Baby Carcharias 27m. Superyacht
Unit installed x4 Sonihull Duo
Location United Arab Emirates



**Pershing
M/Y Carcharias**

Vessel Type M/Y Carcharias 35m. Superyacht
Unit installed x5 Sonihull Duo
Location United States of America



**Turquoise
M/Y Talisman C**

Vessel Type M/Y Talisman C 70m. Superyacht
Unit installed x4 Sonihull Duo
Location



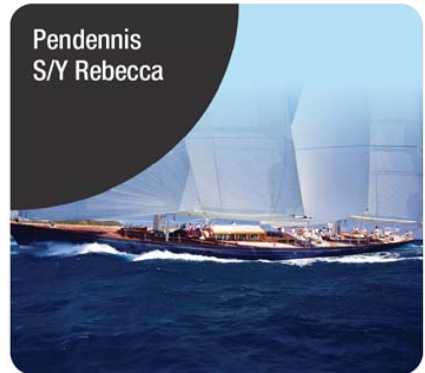
**Heesen
M/Y Quinta
Essentia**

Vessel Type M/Y Quinta Essentia 55m. Superyacht
Unit installed x5 Sonihull Duo
Location



**Vitters Dubois
S/Y Koo**

Vessel Type S/Y Koo Vitters Shipyard Sailing yacht
Unit installed x5 Sonihull Duo
Location Med / Caribbean



**Pendennis
S/Y Rebecca**

Vessel Type S/Y Rebecca 42m. Sailing yacht
Unit installed x5 Sonihull Duo
Location



**Heesen
M/Y Septimus**

Vessel Type M/Y Septimus 50m. Superyacht
Unit installed x6 Sonihull Duo
Location



**S/Y Tiara
Alloy Sailing
Yacht**

Vessel Type S/Y Tiara 36m. Alloy sailing yacht
Unit installed x4 Sonihull Duo
Location



**M/Y La Mascarade
Feadship**

Vessel Type M/Y La Mascarade 30m. Feadship
Unit installed x3 Sonihull Duo
Location

SUPERYACHT



Riva
M/Y Al Adaid

Vessel Type
Unit installed
Location

M/Y Al Adaid 35m.
Superyacht
x4 Sonihull Duo
Location



M/Y Butterfly
Custom Build

Vessel Type
Unit installed
Location

M/Y Butterfly 38m.
Superyacht Custom Build
x4 Sonihull Duo
Location



Nautor's Swan
M/Y Anemos

Vessel Type
Unit installed
Location

S/Y Anemos 130ft.
Sailing yacht
x6 Sonihull Duo
Palma De Mallorca



M/Y Trinity

Vessel Type
Unit installed
Location

M/Y Trinity Yacht 51m.
Superyacht
x3 Sonihull Duo
United Arab Emirates



Heesen
M/Y Hayken

Vessel Type
Unit installed
Location

M/Y Hayken 45m.
Superyacht
x4 Sonihull Duo
Location



Trinity
M/Y Bacarella

Vessel Type
Unit installed
Location

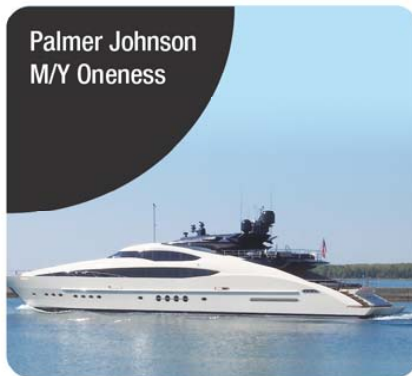
M/Y Bacarella 60m.
Superyacht
x6 Sonihull Duo
Location



Heesen
M/Y Ari

Vessel Type
Unit installed
Location

M/Y Ari 45m.
Superyacht
x4 Sonihull Duo
Location



Palmer Johnson
M/Y Oneness

Vessel Type
Unit installed
Location

M/Y Oneness 45m.
Superyacht
x4 Sonihull Duo
Location



M/Y Infinity
Liberty

Vessel Type
Unit installed
Location

M/Y Infinity Liberty 88m.
Custom oceanco
x6 Sonihull Duo
Location

SUPERYACHT



Wally
M/Y Galeocerdo

Vessel
Type M/Y Galeocerdo
Unit installed 36m. super yacht
Location x4 Sonihull Duo



Heesen
M/Y Hayken

Vessel
Type M/Y Hayken 45m.
Unit installed Superyacht
Location x4 Sonihull Duo



M/Y Robusto

Vessel
Type M/Y Robusto 26m.
Unit installed Superyacht
Location x4 Sonihull Duo



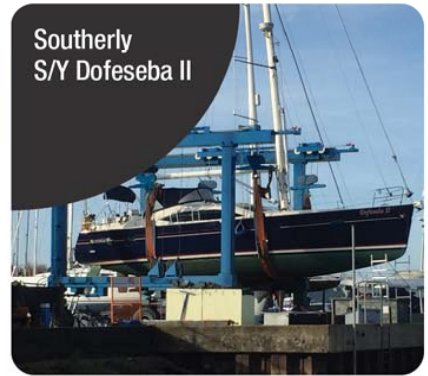
Vitters
S/Y Unfurled

Vessel
Type S/Y Unfurled 46m.
Unit installed Sailing yacht
Location x7 Sonihull Duo
George Town



M/Y Azumut 60

Vessel
Type M/Y Azumut 60
Unit installed Sueryacht
Location x2 Sonihull Duo
Brazil



Southerly
S/Y Dofeseba II

Vessel
Type S/Y Dofeseba II
Unit installed Superyacht
Location x4 Sonihull Duo
United Kingdom



M/Y Home

Vessel
Type M/Y Home
Unit installed Superyacht
Location x3 Sonihull Duo
Mediterranean



M/Y Galactica
Super Nova

Vessel
Type M/Y Galactica Super Nova
Unit installed Superyacht
Location x3 Sonihull Duo
Montenegro

"We took the boat out today for a scrub after 15 months in the water. The results were remarkable. I have a few photos i would like to share with you, both before and after a quick jet wash just a thin layer of slime on the hull, nothing more."

Ian Pawson
Princess 42 - South Coast of England

PLEASURE BOAT
REFERENCES

SONIHULL

Ultrasonic Anti-foul Protection

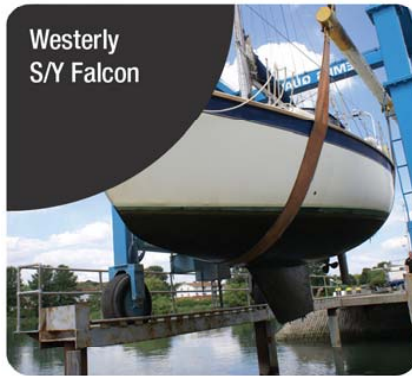


PLEASURE BOAT



Volpower

Vessel
Type Volpower
Motor yacht
Unit installed
x2 Sonihull Duo
Location
Australia



**Westerly
S/Y Falcon**

Vessel
Type Westerly Falcon 34ft.
Sailing yacht
Unit installed
x2 Sonihull Duo
Location
New Zealand



**Sunseeker
M/Y Portofino**

Vessel
Type Portofino 48ft.
Motor yacht
Unit installed
x2 Sonihull Duo
Location
France



**Malo 46
S/Y Nada**

Vessel
Type S/Y Nada (Nigel Calder)
Sailing yacht
Unit installed
x1 Sonihull Duo
Location
Scotland



**Hanse 495
S/Y Krisalys**

Vessel
Type S/Y Krisalys
Sailing yacht
Unit installed
x2 Sonihull Duo
Location
United Kindom



**Beneteau
S/Y Oceanis**

Vessel
Type Oceanis 37
Sailing yacht
Unit installed
x1 Sonihull Duo
Location
United Arab Emirates



S/Y Bright Wings

Vessel
Type Bright Wings
Sailing yacht
Unit installed
x1 Sonihull Duo
Location
Thailand



Beneteau 37

Vessel
Type Beneteau 37ft.
Sailing yacht
Unit installed
x1 Sonihull Duo
Location
United Kingdom



S/Y Wind Dancer

Vessel
Type Wind Dancer
Sailing yacht
Unit installed
x2 Oceonic sea chest & hull
Location
Turkey

PLEASURE BOAT



Aicon 62

Vessel
Type Aicon 62ft.
Motor yacht
Unit installed x2 Sonihull Duo
Location Seychelles



Monterey

Vessel
Type Monterey
Motor yacht
Unit installed x1 Sonihull Duo
Location United Arab Emirates



**Sunseeker
M/Y Talissa**

Vessel
Type Talissa
Motor yacht
Unit installed x2 Sonihull Duo
Location United Arab Emirates



**Lagoon 620
Catamaran**

Vessel
Type Lagoon 620
Catamaran
Unit installed x4 Sonihull Duo
Location Arabian Gulf



**Wig Ground
Effect Flying
Boat**

Vessel
Type WIG
Ground effect flying boat
Unit installed x1 Sonihull Duo
Location South Korea



Jeanneau 64

Vessel
Type Jeanneau 64ft.
Sailing yacht
Unit installed x2 Sonihull Duo + x1 Sonishaft
Location Spain



M/Y Charlie 2

Vessel
Type Charlie 2
Motor boat
Unit installed x1 Sonihull Duo
Location England



M/Y Absolute 47

Vessel
Type M/Y Absolute 47ft.
Motor boat
Unit installed x2 Sonihull Duo
Location Slovenia



**M/Y Princess V42
Charlie 2**

Vessel
Type M/Y Princess V42
Motorboat
Unit installed x1 Sonihull Duo
Location Lymington

PLEASURE BOAT



Just Gulfig

Vessel Just Gulfig
 Type Motor yacht
 Unit installed x1 Sonihull Duo
 Location United Arab Emirates



Glider Yacht

Vessel Glider Yacht
 Type Motor yacht
 Unit installed x2 Sonihull Duo
 Location South Coast of England



M/Y Mariella

Vessel M/Y Mariella Princess 50
 Type Motor yacht
 Unit installed x2 Sonihull Duo
 Location

“The yachts had been in the water for two years and showing badly fouled. After I fitted with Sonihull system and when it was lifted out last weekend with very little fouling except for the propeller and drive shaft. Quite impressive.”

Mike Mattheews
 Westerly Falcon - New Zealand

“Volpower has been in the water for 11 months in up North in Opuia. The owner of this boat said “Don’t bother washing it.”

Dave
 Volpower Australia



MILITARY, COASTGUARD & SAR VESSEL
REFERENCES

SONIHULL

Ultrasonic Anti-foul Protection



MILITARY, COASTGUARD & SAR VESSELS



13.6M RMB
Coastguard

Vessel Type
Unit installed
Location

13.6m RMB
Coastguard
x2 Sonihull Duo
Arabian Gulf



Patrol Boat
Coastguard

Vessel Type
Unit installed
Location

Vigilant Patrol Boat
US Coastguard
x2 Sonihull Duo
United States of America



SAR
Coastguard

Vessel Type
Unit installed
Location

Search And Rescue
Coastguard
x2 Sonihull Duo



MTR16 Patrol Boat
Coastguard

Vessel Type
Unit installed
Location

Kevlar / Carbon fast
Patrol Boat
x2 Sonihull Duo
United Arab Emirates



45M RMB
Coastguard

Vessel Type
Unit installed
Location

45" RMB
US Coastguard
x2 Sonihull Duo
United States of America



Patrol Boat
Coastguard

Vessel Type
Unit installed
Location

Patrol boat
Bahrain Coastguard
x2 Sonihull Duo
Kingdom of Bahrain



CMN Class
Corvette
Military

Vessel Type
Unit installed
Location

CMN Class Corvette
72m. multipurpose
missile corvette
x12 Sonihull Duo
France / Arabian Gulf



SAR Gavia

Vessel Type
Unit installed
Location

SAR Gavia
Search And Rescue
x3 Sonihull Duo
Spain



SAR Maria Pita

Vessel Type
Unit installed
Location

SAR Maria Pita
Search And Rescue
x1 Sonihull Duo
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-foul Protection



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



Hope Harvest

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

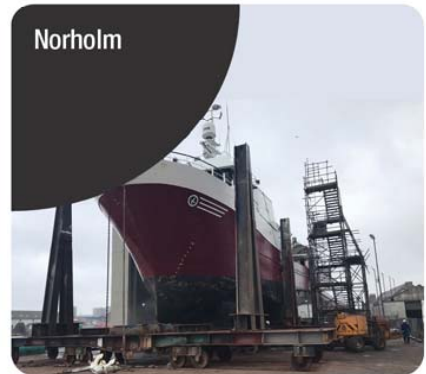
COMMERCIAL & INDUSTRIAL VESSELS



Vessel Inverlussa Marine
Type Support vessel
Unit installed x1 Sonihull Duo
Location Inverlussa



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



Vessel Norholm
Type Fishing vessel
Unit installed x3 Sonihull Duo
Location Shetland



Vessel Resilient LK195
Type Fishing vessel
Unit installed x2 Sonihull Duo
Location Whitby



Vessel Windcat 3
Type Offshore wind vessel
Unit installed x4 Sonihull Duo
Location Lowestoft



Vessel Damen 2610
Type Offshore wind vessel
Unit installed x6 Sonihull Duo
Location Singapore



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



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



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

BOX COOLER
REFERENCES

SONIHULL

Ultrasonic Anti-foul Protection



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 Reyer
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



Vessel
Type
Unit installed
Location

VB Rota
Tug boat
x5 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Almería
Tug boat
x5 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Anibal
Tug boat
x3 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Lanzarote
Tug boat
x5 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

Boluda Tanker
Bunker vessel
x2 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Remolcanosa
Tug boat
x3 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Cádiz
Tug boat
x5 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Asdrubal
Tug boat
x3 Sonihull Duo
Spain



Vessel
Type
Unit installed
Location

VB Jerez
Tug boat
x5 Sonihull Duo
Spain

BOX COOLERS



VB Xaloc

Vessel
Type
Unit installed
Location

VB Xaloc
Tug boat
x11 Sonihull Duo + 1 Mono
Spain



VB Xerea

Vessel
Type
Unit installed
Location

VB Xerea
Tug boat
x11 Sonihull Duo + 1 Mono
Spain



VB Ceballos

Vessel
Type
Unit installed
Location

VB Ceballos
Tug boat
x11 Sonihull Duo + 1 Mono
Spain



VB Juan Gonzalez

Vessel
Type
Unit installed
Location

VB Juan Gonzalez
Tug boat
x11 Sonihull Duo + 1 Mono
Spain



Investigador

Vessel
Type
Unit installed
Location

Investigador
Research vessel
x5 Sonihull Duo
Spain



Anuket Amber

Vessel
Type
Unit installed
Location

Anuket Amber
Oil tanker vessel
x3 Sonihull Duo
United Kingdom



Anuket Ivory

Vessel
Type
Unit installed
Location

Anuket Ivory
Oil tanker vessel
x3 Sonihull Duo
United Kingdom



Anuket Jade

Vessel
Type
Unit installed
Location

Anuket Jade
Oil tanker vessel
x3 Sonihull Duo
United Kingdom



Anuket Ruby

Vessel
Type
Unit installed
Location

Anuket Ruby
Oil tanker vessel
x3 Sonihull Duo
United Kingdom

BOX COOLERS



Anuket Sapphire

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



Benarkle II

Vessel Benarkle II PD400
 Type Fishing Boat
 Unit installed x2 Sonihull Duo
 Location United Kingdom



Alison Kay

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



Pilot boat

Vessel Pilot boat (DP World)
 Type Tug boat
 Unit installed x1 Sonihull Duo
 Location United Arab Emirates



Pentalina Ferry

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



Sonihull - The future of antifouling, Now!

**FIT & FORGET ANTIFOULING
 FOR ALL MARINE APPLICATIONS**

Ultrasonic antifouling protection inside and out

INSIDE	Sea-chests, Tanks, Keel-coolers, Box-coolers, Pipework, Intakes, Valves
OUTSIDE	Hulls, Structures, Shafts, Propellers, Waterjets, Stern Drives, Steering Gear

DAME DESIGN AWARD

DAME
 NOMINATED
 2017

SONIHULL

Ultrasonic Anti-foul Protection

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SONIHULL

Ultrasonic Anti-foul Protection



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