



*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

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## **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

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## **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

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## **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

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## 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 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.

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

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## **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

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## **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

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## 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

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## 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

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## **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

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## **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 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.

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



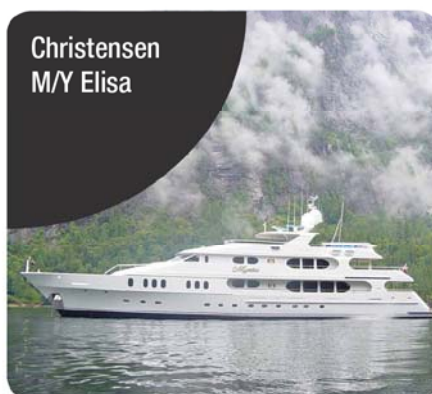
**Moonen**  
M/Y Phoebe

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



**Heesen**  
M/Y San  
Bernardo

Vessel M/Y San Bernado 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**



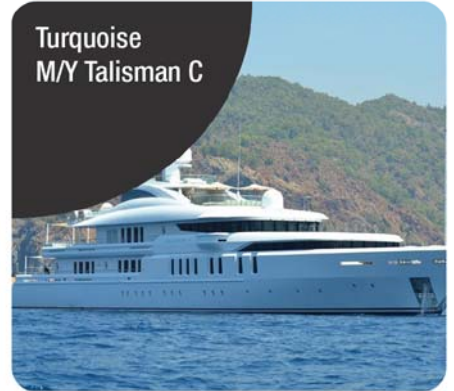
Vessel M/Y Baby Carcharias 27m.  
Type Superyacht  
Unit installed x4 Sonihull Duo  
Location United Arab Emirates

**Pershing  
M/Y Carcharias**



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

**Turquoise  
M/Y Talisman C**



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

**Heesen  
M/Y Quinta  
Essentia**



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

**Vitters Dubois  
S/Y Koo**



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

**Pendennis  
S/Y Rebecca**



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

**Heesen  
M/Y Septimus**



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

**S/Y Tiara  
Alloy Sailing  
Yacht**



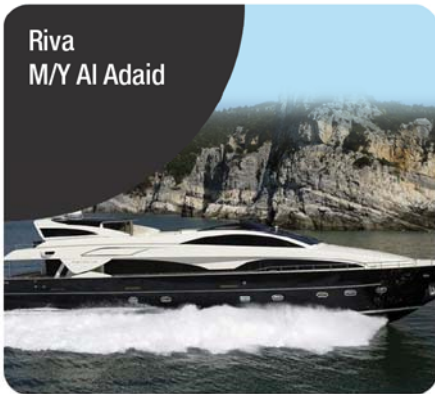
Vessel S/Y Tiara 36m.  
Type Alloy sailing yacht  
Unit installed x4 Sonihull Duo  
Location

**M/Y La Mascarade  
Feadship**



Vessel M/Y La Mascarade 30m.  
Type 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

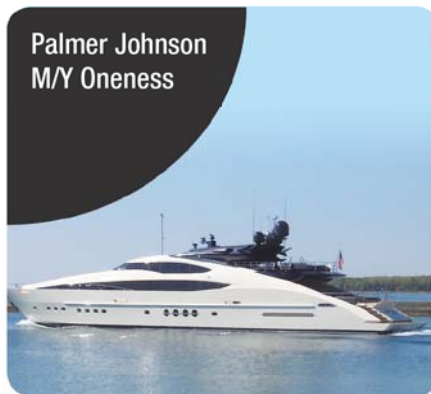
M/Y Bacarella 60m.  
Superyacht  
x6 Sonihull Duo  
Location



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



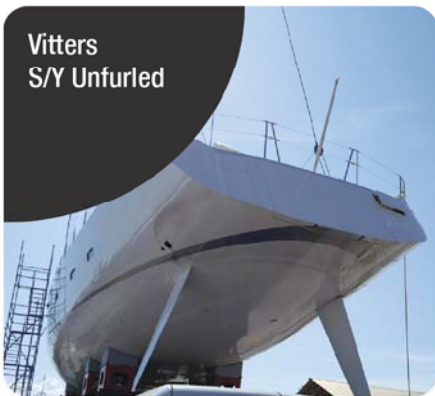
**Heesen**  
M/Y Hayken

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



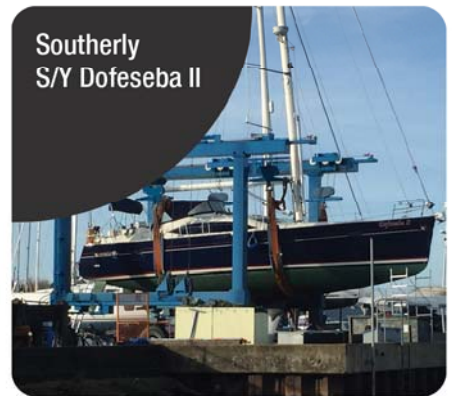
**Vitters**  
S/Y Unfurled

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 Suoeryacht  
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



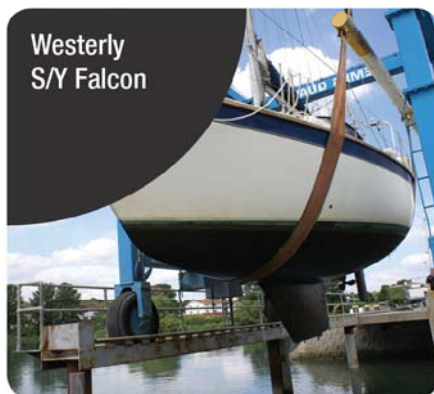
# PLEASURE BOAT



**Volpower**

Vessel  
Type  
Unit installed  
Location

Volpower  
Motor yacht  
x2 Sonihull Duo  
Australia



**Westerly  
S/Y Falcon**

Vessel  
Type  
Unit installed  
Location

Westerly Falcon 34ft.  
Sailing yacht  
x2 Sonihull Duo  
New Zealand



**Sunseeker  
M/Y Portofino**

Vessel  
Type  
Unit installed  
Location

Portofino 48ft.  
Motor yacht  
x2 Sonihull Duo  
France



**Malo 46  
S/Y Nada**

Vessel  
Type  
Unit installed  
Location

S/Y Nada (Nigel Calder)  
Sailing yacht  
x1 Sonihull Duo  
Scotland



**Hanse 495  
S/Y Krisalys**

Vessel  
Type  
Unit installed  
Location

S/Y Krisalys  
Sailing yacht  
x2 Sonihull Duo  
United Kingdom



**Beneteau  
S/Y Oceanis**

Vessel  
Type  
Unit installed  
Location

Oceanis 37  
Sailing yacht  
x1 Sonihull Duo  
United Arab Emirates



**S/Y Bright Wings**

Vessel  
Type  
Unit installed  
Location

Bright Wings  
Sailing yacht  
x1 Sonihull Duo  
Thailand



**Beneteau 37**

Vessel  
Type  
Unit installed  
Location

Beneteau 37ft.  
Sailing yacht  
x1 Sonihull Duo  
United Kingdom



**S/Y Wind Dancer**

Vessel  
Type  
Unit installed  
Location

Wind Dancer  
Sailing yacht  
x2 Oceanic sea chest & hull  
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  
Type  
Unit installed  
Location

Just Gulfig  
Motor yacht  
x1 Sonihull Duo  
United Arab Emirates

Glider Yacht



Vessel  
Type  
Unit installed  
Location

Glider Yacht  
Motor yacht  
x2 Sonihull Duo  
South Coast of England

M/Y Mariella



Vessel  
Type  
Unit installed  
Location

M/Y Mariella Princess 50  
Motor yacht  
x2 Sonihull Duo

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



**Patrol Boat  
Coastguard**

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



**SAR  
Coastguard**

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



**MTR16 Patrol Boat  
Coastguard**

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



**45M RMB  
Coastguard**

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



**Patrol Boat  
Coastguard**

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



**CMN Class  
Corvette  
Military**

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



**SAR Gavia**

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



**SAR Maria Pita**

Vessel  
Type SAR Maria Pita  
Search And Rescue  
Unit installed  
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-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



**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



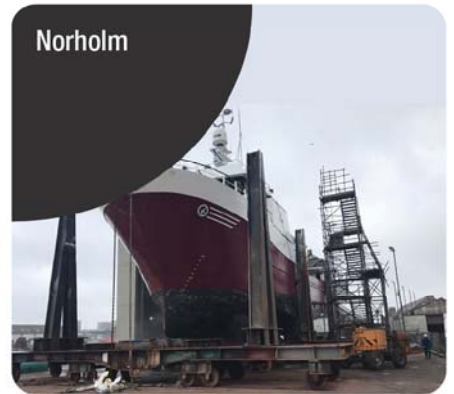
**Inverlussa**

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



**Pentalina Ferry**

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



**Norholm**

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



**Resilient LK195**

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



**Windcat 3**

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



**Damen Shipyard**

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



**Hayley B GU355**

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



**Blue Haze J94**

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



**Alison Kay LK57**

Vessel  
Type Alison Kay LK57  
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 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

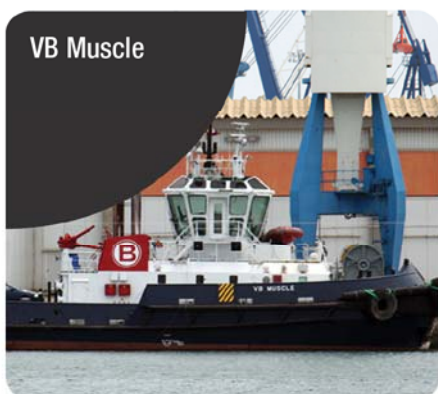
VB Soñador  
Tug boat  
x5 Sonihull Duo  
Spain



**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 VB Xaloc  
 Type Tug boat  
 Unit installed x11 Sonihull Duo + 1 Mono  
 Location Spain



**VB Xerea**

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



**VB Ceballos**

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



**VB Juan Gonzalez**

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



**Investigador**

Vessel Investigador  
 Type Research vessel  
 Unit installed x5 Sonihull Duo  
 Location Spain



**Anuket Amber**

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



**Anuket Ivory**

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



**Anuket Jade**

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



**Anuket Ruby**

Vessel Anuket Ruby  
 Type Oil tanker vessel  
 Unit installed x3 Sonihull Duo  
 Location 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



*Soni8 - The future of antifouling, Now!*

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

Ultrasonic antifouling protection inside and out

|                |   |
|----------------|---|
| <b>INSIDE</b>  | Sea-chests, Tanks, Keel-coolers, Box-coolers, Pipework, Intakes, Valves       |
| <b>OUTSIDE</b> | 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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