

PSYS18
Review

Pg 04

MONACO 2018
Yacht Show

Pg 08

Young
DESIGNERS

Pg 10

AdM & Partners
ACREW|e³ Systems|Fabbri Fiore

Pg 16

ASTILLEROS

D E M A L L O R C A

M A G A Z I N E

EDITION | 2018



THE NEWS THAT INTERESTS YACHT LOVERS



open your mind...



For all editorial and advertising enquiries, please contact:
info@astillerosdemallorca.com



AdM Main Shipyard

- 📍 Contramuelle Mollet, 11
07012 Palma de Mallorca (Spain)
- ☎ Phone n°. +34 971 71 06 45
- ✉ info@astillerosdemallorca.com
- 🌐 www.astillerosdemallorca.com



AdM within STP

- 📍 Muelle Viejo "R.S. Global Building"
Offices 17-18
07012 Palma de Mallorca (Spain)



AdM & Freire Shipyard

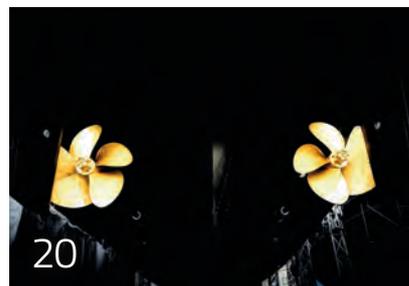
- 📍 Beiramar, 18.
36208 Vigo (Spain)
- 🌐 www.freireshipyard.com

Photo cover:
Francisco Martínez

All material appearing in Astilleros Magazine is copyright unless otherwise stated or it may rest with the provider of the supplied material. Astilleros Magazine takes all care to ensure information is correct at time of printing, but the publisher accepts no responsibility or liability for the accuracy of any information contained in the text. Views expressed are not necessarily endorsed by the publisher or editor.



contents



04 Palma Superyacht Show

06 The Superyacht Cup

08 Monaco Yacht Show

10 Interview: Álvaro Aparicio

12 "Dark N Stormy" Event

14 Partners: ACREW

16 Partners: e³ Systems

18 Partners: Fabbri Fiore

20 Inside AdM: Prop Scan

22 Inside AdM: Generator load testing

PSYS18 Review

PALMA

27th April - 1st May

**SUPERYACHT
SHOW**

EXCLUSIVE WATERY **PRECINCT**

The watery precinct hosted more than 80 vessels available for sale and charter. The 54m Shenandoah of Sark, built in 1902 headed up this wonderful selection.



Astilleros de Mallorca
welcoming the visitors
during "La noche del Mar "



The Palma Superyacht Show 2018 in its sixth edition has added another successful milestone to its history.

This year's show pleasantly surprised us with an important infrastructural change which produced a 30% increase in the show area and an enchanting promenade. The newly designed 72m floating bridge which connected the Fisherman's dock to Moll Vell, ensured a very pleasant and smooth walk around the show.

Perfectly timed before the kick-off to the Summer season, international visitors were able to enjoy a long weekend in the beautiful city of Palma, while contemplating the selection of yachts.

The watery precinct hosted more than 80 vessels available for sale and charter.

S/Y Shenandoah of Sark, built in 1902 headed up this wonderful selection with its 54m length.

The new design of the show clearly defined the various areas of the sector, along one side the shipyards and their respective representatives exhibiting the new builds, whilst on the other side the brokerage companies.

The especially dedicated Refit & Repair area in its second edition confirmed Palma's paramount importance as maintenance hub of the Mediterranean. 🏹





• Astilleros de Mallorca,
official partner of the
Superyacht Cup, since 1997



The largest and longest running superyacht regatta in Europe

Each year, Palma Bay offers some of the most idyllic racing conditions in the Mediterranean.



Palma Bay has hosted the largest and longest running superyacht regatta in Europe for the 22nd consecutive year.

With a total of 16 beautiful boats divided into 4 different classes the SYC in its 2018 edition has offered another unforgettable race to all of its participants. Ranging from 32m Bolero to 62m Athos, the overall prize was taken by the 39.5m J class Velsheda. The Camper & Nicholson J class built in 1933 took 2 wins from 3 races in her class and ended up being the Overall Superyacht Cup trophy winner.

On the events side the 2018 edition of the opening dock party, hosted by the New Zealand Ambassador, has again confirmed the enthusiasm of the participants whilst the exclusive closing bbq at

the St. Regis resort has naturally highlighted its networking potential. ➔

Class A

Yacht Name	Series Place	Race 1	Race 3	Race 4	Total Points
1. Win Win	1	3.00	1.00	1.00	5.00
2. Saudade	2	2.00	2.00	3.00	7.00
3. Highland Fling XV	3	1.00	3.00	4.00	8.00

Class B

Yacht Name	Series Place	Race 1	Race 3	Race 4	Total Points
1. Velsheda	1	1.00	4.00	1.00	6.00
2. Mari-Cha III	2	2.00	1.00	3.00	6.00
3. Sojana	3	5.00	2.00	2.00	9.00
4. Svea	4	3.00	5.00	4.00	12.00
5. Ganesha	5	4.00	3.00	5.00	12.00
6. Missy	6	6.00	6.00	6.00	18.00
7. Bliss	7	7.00	7.00	7.00	21.00

Class C

Yacht Name	Series Place	Race 1	Race 3	Race 4	Total Points
1. Silencio	1	1.00	2.00	2.00	5.00
2. Bolero	2	2.00	4.00	1.00	7.00
3. Athos	3	4.00	1.00	4.00	9.00
4. Aquarius	4	3.00	3.00	3.00	9.00

Class D

Yacht Name	Series Place	Race 1	Race 3	Race 4	Total Points
1. Q	1	2.00	1.00	1.00	4.00
2. Scorpione of London	2	1.00	2.00	2.00	5.00

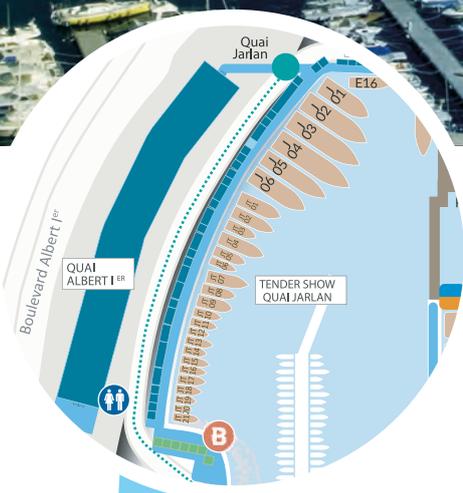
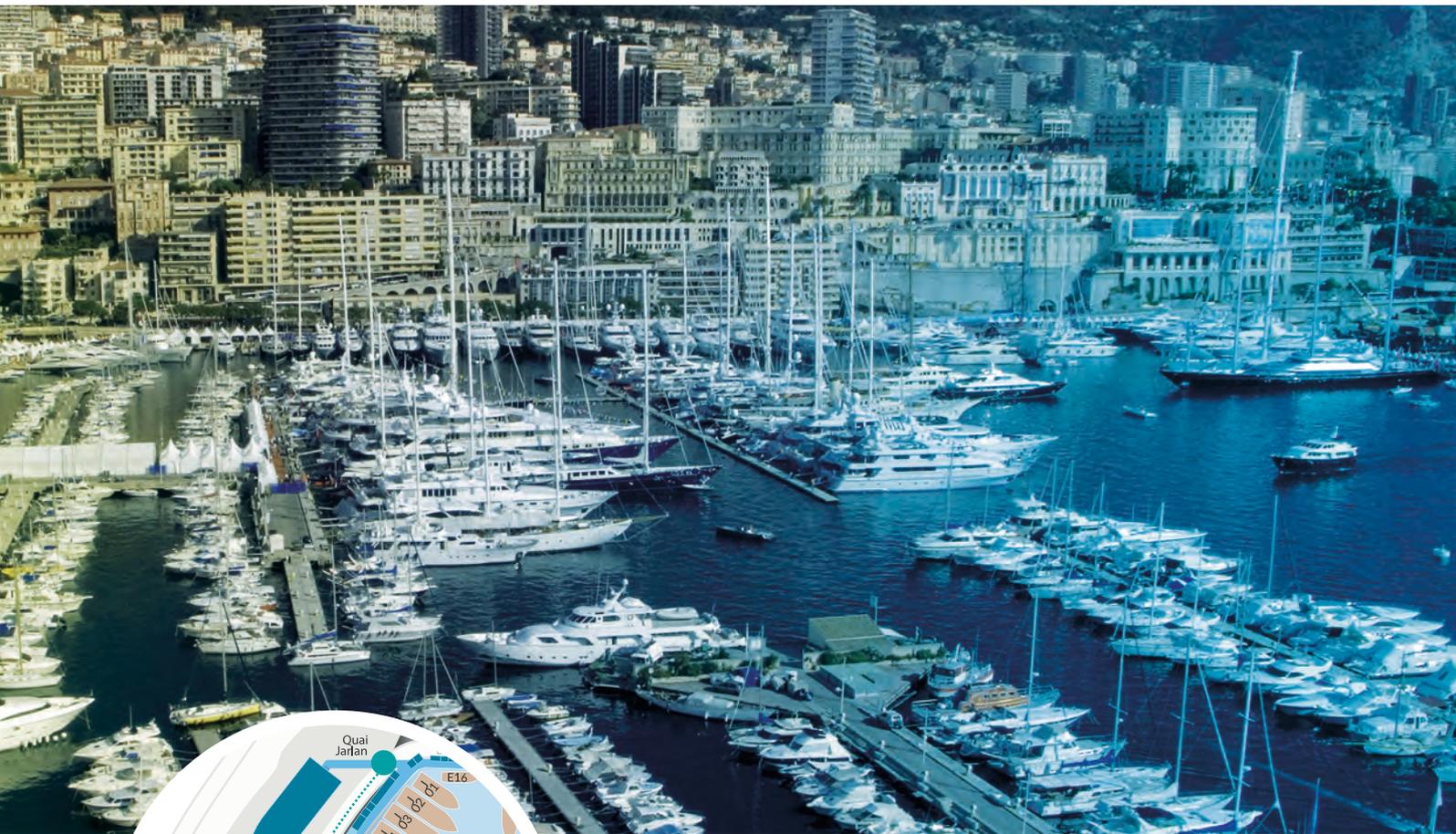


Discover the fascinating SUPERYACHT WORLD

Yacht owners, future superyacht purchasers or charterers, decision-makers in the yachting and luxury industries attend the Monaco Yacht Show to celebrate the quintessence of the superyacht lifestyle.

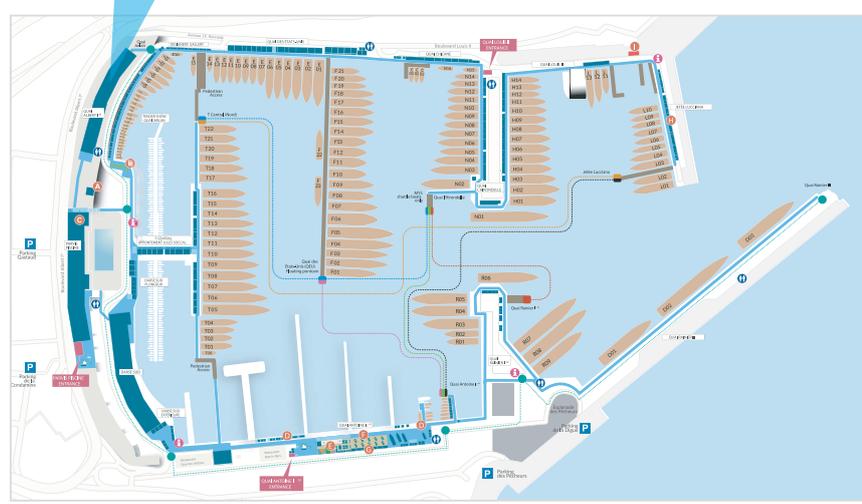
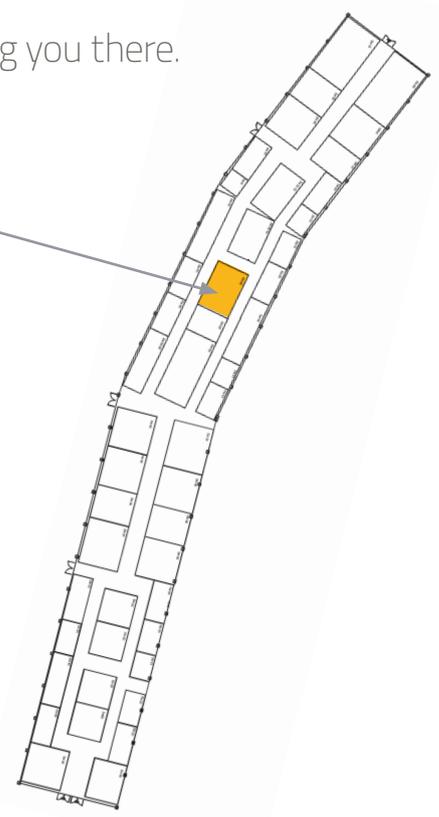
We will be more than happy to welcome you at our stand **AL 45**, Quai Albert 1^{er} area.





Our Stand
 We look forward to seeing you there.

Quai Albert 1^{er}
AL45





“The trend development follows what someone else once dreamt about. The research into new trends must be a daily task for any creative wanting to keep up.”

An industry on the move, we ask Álvaro Aparicio about his thoughts on the future of the superyacht design.



What do you think is leading the new trends in the superyacht design?

In my opinion, it has a lot to do with the new generation of yacht buyers.

By understanding them, their desires and dreams, we have to further our imagination and be ever

creative within our technological innovations.

They are young individuals, hungry to explore other avenues for their wealth. A yacht allows them to do just that.

Today's hobbies differ from those of our predecessors, and thanks to



“I joined this industry due to my fascination for the infinite possibilities that it offers of exploring the world”



their wealth we are able to really exceed the limits of the building process.

The trend development follows what someone else once dreamt about. The research into new trends is a must for any creative wanting to keep up.

What brought you to this industry?

I joined this industry due to my fascination for the infinite possibilities that it offers of exploring the world. It is magnificent how superyachts can perform almost every function, transforming simple life into true adventure.

A yacht allows dreams to travel to the most remote areas on earth with absolutely all you need-Reality. It blows my mind.

What are some of today's indispensable trends on-board?

Indoor pools surrounded by beach clubs open to the sea by platforms at sea level, providing easy access to the water as well as comfort.

Garages for any type of toy desired, no matter what the size, underwater saloon observatories or an indoor paddle courts (I would love to play there one day).

The key points mentioned above provide experiences for each individual. That's what I want to offer them, a feeling hard to compare with anything else in life. To this day I still enjoy seeing the transfer from ostentatious to comfortable, together with the continuous desire to look for new

adventures. No limits on where they can travel to or what they have to take with them is key.

I hope in the future that a “NO” to an Owner's request will be extremely infrequent answer coming from any parties involved in the building process. By forcing the industry to rethink this “desire approach”, all the creatives will do their best to bring to life almost any dream and always helped by the use of cutting-edge technologies.

I'm looking forward to seeing what the future holds and in the meantime, I'll keep working on my vision. 🗨️

Charity
EVENT

Dark N Stormy

ALL united

Hurricanes Irma and Maria struck the Caribbean in September 2017, leaving a path of tragic devastation in their wake, particularly across the Northern Caribbean islands. The area, forever popular as a stunning yacht destination, thanks to its crystal-clear waters, lush landscapes and friendly culture, was in serious need of help.



Many buildings were destroyed and power lines damaged while food and water supplies were wiped out, not to mention the terrible loss of life that occurred.

The yachting community launched into action to help the region rebuild and repair following the terrible natural disasters it had suffered.

In November 2017, we hosted in our shipyard's premises a successful event, organised with the goal of raising funds towards



the relief effort coordinated by YachtAid Global, a charity which provides disaster relief using its yachting network. Fraser mobilized several yachting industry bodies and initiated the plan to host the “**Dark N Stormy**” evening. Over 300 guests attended the fundraiser night and in the space of just 10 days over £10,000 had been raised in donations and sponsor support.

The entire sum was transferred to YachtAid Global.” The collaborative effort shown by all sponsors of the event, Fraser, Sevenstar

Yacht Transport, Complete Marine Freight, EL Crew Co, No 12 Wines, Global Services Superyacht Supplies, Dolphinwear & Deckers, Port Tarraco, Sturge, The Islander, Netazul, Port Adriano, Sail Aid UK, Bargate Murray, Nautic King, Nautipaints and Astilleros de Mallorca, illustrated great teamwork and what this industry is capable of producing when united. ➤



Knowing our
PARTNERS

ACREW



Crew

excellence onboard

We are happy to announce that **Astilleros de Mallorca & ACREW** have recently entered into partnership. Allied by the idea to support **Crew Excellence Onboard**, both companies are working to help crew develop skills and create an unique owner or guest experience.





and maintenance service, whilst optimizing crew stay and offering valuable training on site.

Astilleros has deepened its partnership with ACREW this year by becoming a supporter of the **First International Crew Awards** organised on 13th October to reward Crew Excellence. This impartial Awards programme is open to all Captains and Crew in the Superyacht sector and we fully support this initiative which has also been officially endorsed by PYA.

This year events and courses will take place in the Astilleros de Mallorca premises which are situated in the heart of the city of Palma. Building upon last year's success with 168 crew attending from 61 superyachts we intend to do even better. The 2nd edition of this great event will take place on Thursday the 22nd and Friday the 23rd of November 2018. The event will be headed by ACREW Insights, an exclusive event for approximately 20 Captains or Chief Engineers to attend a series of invaluable seminars on the 21st November.

Astilleros de Mallorca is now a member of the (ACREW) Global Network of Refit Centres & Shipyards which grant Crew with the special AdM Shipyard Loyalty Offer. Amongst all the opportunities is the benefit of a discount on hard standing and marina berth fees for yachts and a selection of free courses for Crew during their stay. Enhancing Crew's experience during refit periods is of paramount importance to us.

As a Shipyard we strive to give the most reliable refit, repair

The numerous awards include:

- Best Charter Yacht Crew Award
- Best Private Yacht Crew Award
- Captain (Master 3000GT) Crew Award
- Captain (Master 500GT) Crew Award
- Captain (Master Unlimited) Crew Award
- Chef Crew Award
- Chief Engineer & ETO Crew Award
- Chief-Stew Crew Award
- Courageous Crew Award
- Deck Crew Award
- Engineer & ETO Crew Award
- First Officer Crew Award
- Leadership Crew Award
- Purser Crew Award
- Stew Crew Award
- Sustainability Crew Award
- Team Player Crew Award

Knowing our
PARTNERS



CONNECTIVITY

where it's never been before

Kymeta has developed the world's first metamaterials-based, lightweight, flat satellite antenna. Software controlled, electronically-steered, and with no moving parts they represent a revolutionary alternative to parabolic dish antennas.



The strength of the two companies, combined with the fact that both are located in Mallorca, make this new partnership the perfect solution when choosing where to retrofit a yacht with these new flat antennas



We are proud to announce our agreement with **e³ Systems** to become their exclusive Certified Installation Centre CIC for Kymeta™ technology in the Balearics. The strength of the two companies, combined with the fact that both are located in Mallorca, make this new partnership the perfect solution when choosing where to retrofit a yacht with these new flat antennas.

Kymeta has developed the world's first metamaterials-based, lightweight, flat satellite antenna. Software controlled, electronically-steered, and with no moving parts they represent a revolutionary alternative to parabolic dish antennas. ➔



KYMETA™

Key benefits of these flat panels

- ▶ High connectivity speeds > 100 Mbps – limited only by the modem and satellite
- ▶ Can be installed to be virtually invisible – enabling exciting new architecture
- ▶ Future proof technology – work seamlessly with GEO, MEO and LEO satellite constellations
- ▶ Secure point to point connection
- ▶ Low power consumption (15W peak for panel, 300W typical for BUC & LNB)
- ▶ Lightweight (23 kg)
- ▶ Silent

Additionally:

- ▶ Internet and IP delivered entertainment content on same panel
- ▶ Open system for a choice of airtime providers
- ▶ Interface with the e³ HYBRID land and satellite solution for yachts
- ▶ No cooling required
- ▶ Solid state
- ▶ Virtually maintenance-free
- ▶ Carry a spare – not a consideration with current technology
- ▶ No need for call-outs and annual maintenance visits
- ▶ Scalable – combine panels to increase throughput





Customization is the key

Astilleros de Mallorca, exclusive dealer for Fabbri Fiore in Spain, a mechanical engineering company based in central Italy.

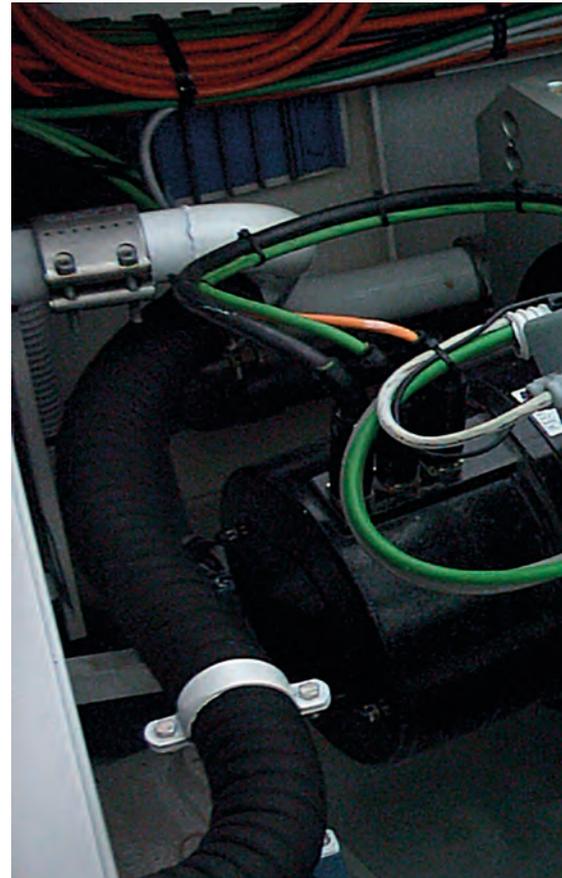


Born in Italy in 1975 as a mechanical company for precision machining, **FF** boasts years of experience in engineering and production of mechanical parts for the aerospace, paper converting, marble treating and packaging industries. In the last 25 years the company has defined itself providing both products and services for super yachts, ever increasing in complexity and quantity, components and customized projects. Amongst other products, heavy port-lights and captive winches are surely the most common items produced by **FF** and used by super yachts.

FF's experience in sailing systems has been the driving force of creating cooperation between our companies, which has evolved into a solid partnership.

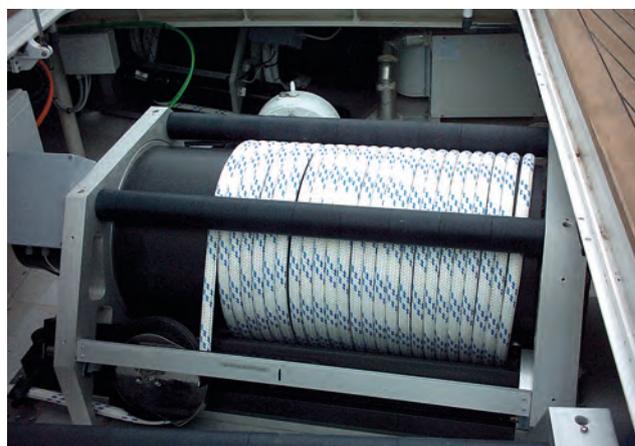
Today, **AdM** and **FF** work closely to provide the best possible support to our Customers in Spain, assisting them in their planned maintenance periods as well as attempting to solve every unexpected problem.

AdM is also the authorized dealer within the Spanish market for an entire range of products made by **Fabbri Fiore**, not only limited to those mentioned above but including also components such as Lifting and Moving systems (for TV, monitors, jet skis, tenders), doors (hinged, sliding, watertight or not, etc.) and windscreens (manual or electrical). Last but not least the famous SUN BED, the round sunbathing bed, which has rotational capabilities to parallel the Sun's path. It features a highly



advanced integrated structure remotely controllable by smart devices and connectable to Lutron/Crestron systems. ➤

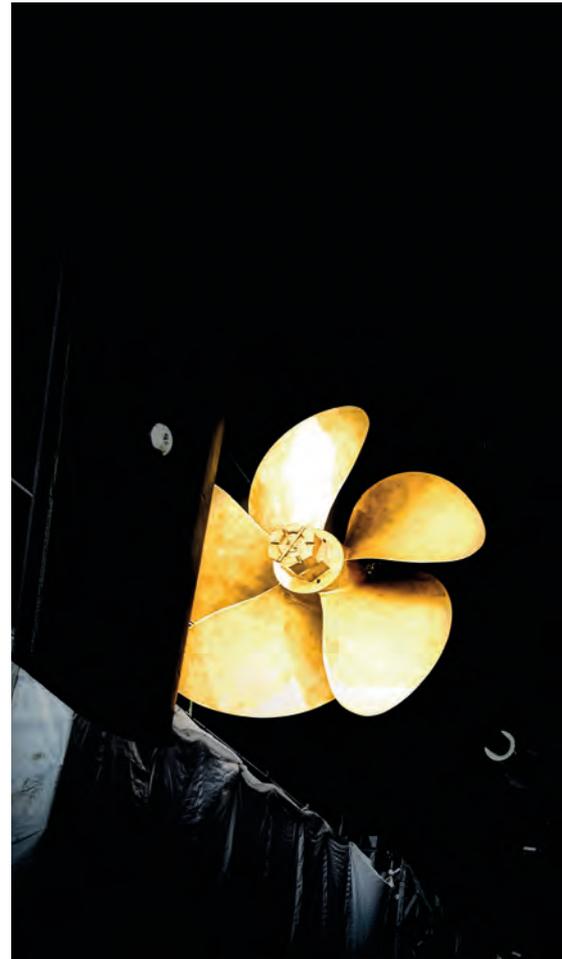




Amongst other products, heavy portlights and captive winches are surely the most common items produced by FF and used by super yachts

YACHT performance

Astilleros de Mallorca has added two new devices destined to increase yacht performance to its wide range of machinery. The propeller scan and the dynamic balancing machine will become operational as of September 2018.



Propeller performance has a direct impact on the vessel's speed, the fuel used by the main engines to attain the desired rpm and their proper potential. It must be noted that the vibrations generated by the propeller are directly transmitted to the propulsion line elements and the vessel's structure and are one of the main factors to ensure comfort on board.

With our new Prop Scan E4, we can measure the manufacturing or repaired accuracy on the propellers according to the international standard ISO 484-2. Prop Scan E4 is

a computerized measuring assembly with powerful software, allowing our technicians to detect propeller pitch differences and bumps that are otherwise not easily identifiable. This standard establishes 4 accuracy levels or classes:

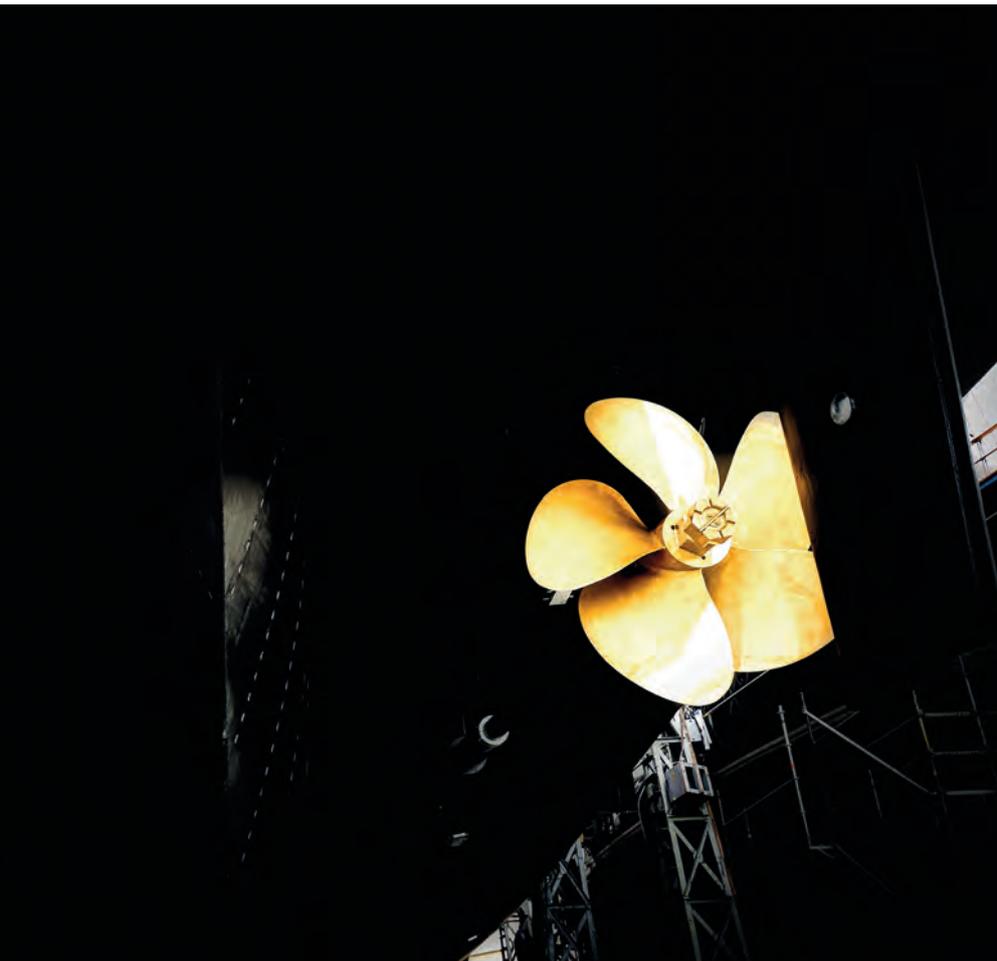
- ▶ Class S: Very high accuracy
- ▶ Class I: High accuracy
- ▶ Class II: Medium accuracy
- ▶ Class III: Wide tolerances

These accuracy classes state in percentage the pitch difference between propeller blades at different radius and the pitch differences

within each blade section. Less difference in blade pitch means a higher accuracy propeller.

Furthermore, a higher accuracy propeller has a higher performance, reducing fuel consumption and the vibrations created. In addition, a high accuracy propeller will have no cavitation or will cavitate later than expected, so the blade erosion is highly reduced and the propeller working life is extended.

The owner and guests will experience a saving on fuel consumption and improved comfort whilst sailing.



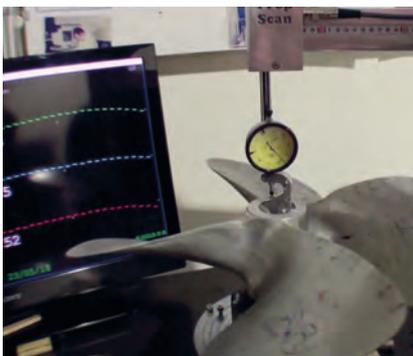
As a perfect complement to our Prop Scan E4, we incorporate a dynamic balancing machine that allows us to balance the propellers according to international standard ISO 1940-1.

This balancing takes care of the small weight differences between blades, considerably reducing the propeller vibrations, which if not correctly maintained may break the blades, requiring additional power from the main engines whilst increasing their wear as they need to run at a higher range.

As a result of the accuracy analysis and balancing, Astilleros de Mallorca's customers can be assured that the repair of a damaged propeller has been carried out as per the original design and specifications. We can also test and verify the accuracy and balancing of an installed propeller which has no apparent damage. If the accuracy is low, i.e. Class III or II, or the propeller is unbalanced, Astilleros de Mallorca will improve its efficiency.

The advantages are noted straight after the propellers start running:

- ▶ Decreased vibration intensity
- ▶ Reduction of blade's break risk
- ▶ No extra power needed
- ▶ Fuel savings of up to 15% ➤





Inside
ASTILLEROS

Generator load testing

SAFE & completely operational INSTALLATIONS

Load testing is the process of putting demand on a system or device and measuring its response. Load testing is performed to determine a system's behaviour under both normal and anticipated peak load conditions.



It helps to test measuring elements on the main switchboard as well as onboard protections.

Load testing a generator is a must whenever a new unit has been installed, especially in a classified yacht where such a test must be carried out in the presence of a class inspector. Furthermore, after major overhauls or repairs, load testing will guarantee the installation is safe and completely operational.

With our two load banks to suit different sizes of gensets, Astilleros de Mallorca is your best choice to test any generator on board a yacht. Our modern portable load banks provide fast and accurate testing with maximum efficiency. Maximum capacity at 400V is 1340kW with a load step resolution as low as 1kW.

All measurements are made using high accuracy voltage and current transformers located within the load bank. This information is processed digitally, using high speed sampling of the raw data. This provides full three-phase, high speed and true rms measurements. With its robust Intelligent Hand-held Terminal for remote operation with full 3-phase instrumentation, our personnel will be able to control applied load from the engine room allowing attendees to visually control all tests. For bigger generators our custom load bank will take the baton, providing continuous load control, and have proven reliability in tests performed for 30 years.



Gensets manufacturers recommend the units should be loaded quite hard for the first 100 hours of operation, 75% of rated power is enough, but never go below 50%. Chief Engineers expecting problems when running their gensets at that load may hire our load bank to provide the necessary load. ➔



Hand-held Terminal in use during a real test



“From stem to stern”
since 1942

ASTILLEROS DE
MALLORCA

REFIT & REPAIR SHIPYARD