

MARINE NEWSLETTER

JUNE 2019

Launching Three Yachts in Ten Days

The team at Baltic Yachts have been working hard, launching three stunning new yachts in just 10 days!

First to hit the water was Lurigna, hull number two of the new semi-custom Baltic 67. At 67ft, Lurigna has been designed as a stylish, easy to sail, fast cruising yacht but has also been optimised for racing. The yacht was built using a Gurit material package consisting of Gurit Corecell™ for its impact resistance and SPRINT™ with glass and unidirectional carbon fibre for high performance. Gurit's engineers worked alongside Baltic Yachts' in-house engineers, taking responsibility for the deck and deck structure of both boats.

Next into the water was the Baltic 112, Liara. Designed as a very comfortable family cruising yacht with the ability to sail long distances at pace. She features luxurious living areas as well as a battery bank to provide environmentally friendly living afloat. Constructed using Gurit's Corecell™ M foam, SE 84 high performance prepreg and SPRINT™ with carbon fibre, Spabond™ 340 high strength adhesive and Gurit's new Ampreg 31 drainage resistance laminating system.

Last and largest to hit the water is the ground-breaking Baltic 142, Canova. Designed as a trans-ocean cruiser; Canova showcases several innovative features, including, the Dynamic Stability System (DSS) foil to a hydro-generation system and electric propulsion.

Canova's sliding DSS foil is a world first with no other yacht this size incorporating this technology. The foil is

designed to reduce heel, increase speed and improve comfort by reduced pitching. The foil will extend 6.5 metres leeward when deployed and provides a considerable performance boost.

Gurit provided Canova with the same comprehensive material package as Liara as well as composite engineering for the entire vessel, including the foil itself. This presented a considerable challenge due to the incredible loads borne by the foil, and its position beneath the full width owner's cabin which placed tight restrictions on the space available for the supporting structure. For more information on the projects and Baltic Yachts: <https://www.balticyachts.fi/>

A brief case study on the engineering of Canova can be downloaded here: <http://bit.ly/31JXX8q>



Baltic Yachts and Primetimesailing

AMPRO™ / AMPRO™ BIO Release

Gurit are proud to have launched the new AMPRO™ multi-purpose epoxy range at the RYA Dinghy Show in London, in March. The range has been designed to surpass and supersede the SP 106 and Handipack epoxy systems.

Within the AMPRO™ multi-purpose epoxy range are a choice of two resins (standard and bio-based), three hardeners (Fast, Slow, Extra-Slow), & a new additive: water resistant AMPRO™ Colloidal Silica.

Gurit's AMPRO™ BIO Resin was developed using plant-based materials that are by-products of the food chain to produce a more environmentally friendly resin. The accredited >40% bio-content resin matrix (resin and hardener combined) does not compromise on performance and also results in a richer colour which further enhances the natural grain of the wood being coated.



The AMPRO™ range is well suited to the marine market and provides a number of benefits over other multi-



purpose epoxy systems including lower toxicity through improved chemistry that doesn't include carcinogens, reprotoxins, mutagens or fertility damaging chemicals; faster curing and improved surface quality through new chemistry that enables +5°C overnight curing; increased flexibility and adhesion with the coatings ability to adapt to different temperatures and resist flexing of substrates; and new weighing / mixing equipment to allow users to be more precise when mixing resins.

Gurit will be further building on the AMPRO™ range in 2019:

- Fast & Slow Clear Hardeners to allow for SP 115 & SP 320 users to switch to the superior AMPRO™ Resin
- AMPRO™ Seal to achieve lower viscosities for sealing and priming wood

For more information: <https://www.gurit.com/-/media/Gurit/Datasheets/AMPRO-overview.pdf>

*N.B. Not yet available in Asia-Pacific region until late 2019.

Sailing Challenge in Auckland

Gurit New Zealand sailors recently competed in the 2019 NZ Marine Industry Sailing Challenge. The competition involved 9 companies from the New Zealand marine industry racing against each other in identical 10.2m Farr MRX yachts.

Gurit entered a team consisting of the captain and helmsman, Sean Jeffery alongside other Gurit APAC staff, Jason Bagnall, Steve Bond, Cormac McCullough and clients, Pete Geary from Hall Spars and Geoff Senior and Vaughan Roberts from Emirates Team New Zealand.

The teams were faced with idyllic conditions with a nice breeze blowing 10-15 knots making for an exciting close fought race. Congratulations to Harken NZ on winning race one and taking out the Nic Saull Trophy and to Oceanbridge/Total Marine on winning the second race and taking home the NZ Marine Challenge Trophy.



A great day was had by all with Gurit sailors enjoying the opportunity to network with other likeminded professionals while supporting the maintenance and upkeep of these Farr MRX yachts which are a stepping stone for New Zealand's budding sailing youth.

Multihull of the Year Awards

Congratulations to McConaghy Boats on the nomination of their boat for the 2019 Multihull of the Year. The coveted awards take place every year with the competition organised by Multihulls World magazine and showcases the best of what multihulls have to offer.

This year McConaghy Boats' MC60 was nominated in the over 50 feet class, a testament to the outstanding design and craftsmanship that went into the development of this blue water catamaran.

Gurit is proud to have supplied Corecell™ M Foam to the MC60, providing it with a lightweight core that delivers excellent resistance to slamming in offshore cruising or racing applications. Gurit spoke with McConaghy Boats on the materials and they mention “we have been using



Corecell for over 20 years and during that period, in hundreds of products, breaking countless records and in the toughest conditions – we have never had a structural issue with the core”.

For more information on the McConaghy MC60: <https://www.mcconaghyboats.com/mc60cat>

Solar Boat Challenge

Over the 2nd to 6th July student teams from around the world will be competing in the Monaco Solar & Energy Boat Challenge. The competition is organised by the Yacht Club de Monaco and is the largest international competition for solar boats. First organised in 2014, the competition continues to foster technological advances in marine engineering with a focus on propulsion systems dedicated to clean energy sources.

In a competition where speed, agility and efficiency are vital to a team's success, lightweight composite materials are essential to the vessels design. This year Gurit is supporting the TU Delft Solar Boat Team as they compete in the Offshore Class.

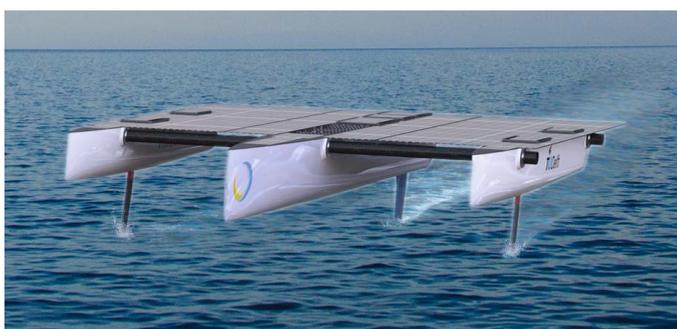
The Offshore Class has challengers competing in the open ocean, on the first day the boats will race from Monaco to Ventimiglia and back, a length of approximately 30km. The next stage has teams racing

from Monaco to Ventimiglia and back twice. With these long distance offshore races it is essential for the team to have high quality materials that are not only lightweight but also provide excellent longevity to withstand any challenging conditions.

Through Gurit's distributor, Bouwmeester Advanced Composites in Amsterdam the TU Delft Solar Boat Team have produced their vessel using Gurit's new Ampreg™ 30 wet lamination system, Spabond™ 340LV adhesive, SE 84LV high performance prepreg and, Corecell™ M80 foam for its exceptional impact resistance and low weight.

Gurit wishes the team all the best for the competition and looks forward to following the results.

For more information on the team: <https://solarboatteam.nl/en/>



Recent Project Launches

For an overview of recent marine projects which we have been pleased to support with composite engineering, composite materials or both, please [click here](#)

...and currently on our Engineering Team's desks:

- New "[HUGO BOSS](#)" IMOCA60 for [Alex Thomson](#) designed by [VPLP](#) and built at Carrington Boats
- 100' high performance cruiser designed by [Reichel/Pugh](#), [Nauta](#) and built at Southern Wind Ship Yard
- New IMOCA60, "[DMG60](#)" for skipper Kojiro Shiraishi, designed by [VPLP](#) and built by [Multiplast](#) in Vannes, FR
- [Baltic 146](#) Blue Water Cruiser, designed by [Judel/Vrolijk & co](#) and built by [Baltic Yachts](#)
- Oceanwings Wing Sail designed by [VPLP](#)
- Composite Super-structure for [Royal Huisman Project #404](#)
- Refit of the hull and mast of the [77m sailing yacht M5](#) at [NCA Refit](#) facilities

...plus several other exciting projects that we cannot yet tell you about ;-)

About Gurit's Competencies for the Marine Industry

Having made its name in the high-end race boat market over 30 years ago, Gurit now supplies the full spectrum of marine projects worldwide. Production boats focusing on manufacturing efficiencies, superyachts with unique design features, commercial and military vessels requiring robust yet low weight construction, as well as current race yacht programmes looking for cutting edge performance, are all benefiting from Gurit's complete composite solution.

Gurit supplies global growth markets such as the Marine sector, Aerospace and Wind energy with composite materials, composite tooling equipment, core material wind turbine blade kits as well as engineering services.

Upcoming Events

[2019 Foiling Week](#) 11-14 July 2019 Lake Garda, Italy

Gurit are official sponsors and will be presenting at this event.

[IBEX](#) 1-3 October 2019 Tampa, Florida

[METS TRADE](#) 19-21 November 2019 Amsterdam, Netherlands



FOILING WEEK



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