# IN THE LOOP

# THE LATEST NEWS FROM RIGGING PROJECTS

#### STOP PRESS!!! MAGIC CARPET E IS MAKING WAVES

We are finally able to break our silence on one of the best kept secrets in our industry, Magic Carpet E. Working with Project Manager, Ed Bell, naval architect, Guillaume Verdier, build yard, Persico and The North Technology Group, Rigging Projects have been involved since the inception of this game-changing project. We played a pivotal role in the design phase by developing a 'playbook', scrutinising every manoeuvre and sail choice in order to optimise all sailing systems and deck hardware ensuring seamless integration and functionality across the board. This unique opportunity also allowed Rigging Projects to provide a customised deck hardware package tailored to Magic E's specific requirements contributing to the overall sailing performance and aesthetics of this remarkable vessel. More details and images to come in our next edition once sea trials are complete.

# OE72 CONT...

Continuing on from our Spring 2024 Newsletter, we are delighted to be able to share more about our ongoing participation in the Ocean Explore 72 (OE72) Catamaran project.



#### Ocean Quality Systems (OQS),

a prominent Finnish yacht builder, is making significant strides within the luxury sailing industry with the construction of their newest masterpiece, the Ocean Explorer 72 catamaran. Renowned for blending cutting-edge technology with traditional craftsmanship, OQS continues to transcend boundaries in high-performance, luxury multihull vessels. This premium cruiser racer, designed by Naval Architect German Frers, is scheduled for delivery in the summer of 2025, following a two-year construction period in Jakobstad, Finland.

Rigging Projects is priviliged to be the provider of all the mast locks, including a 15T Automatic Locking Headboard Car and Gaff Lock, 15T Idler Sheave Bullet Locks for the Code Zero, Jib and Staysail, and Internal Bullet Locks for the boom. We also provided a comprehensive array of deck hardware and sailing systems.

In collaboration with OQS, RP was engaged to offer a consultancy service aimed at reviewing the initial deck layout and devising solutions that would unequivocally ensure the platform would achieve the goals set forth by the project team. This collaboration has yielded, among other things, the design and manufacturing of various Through-Deck Padeyes, Glide Blocks, 40mm X Track and 12T Mainsheet Traveller Car, Sheave Box Assemblies, Fair Leads, Deck Organisers, Parking Clutches, and a complete Jib Car system inclusive of Track, 8T Jib cars and Floating Jib Rings.

#### CASE STUDY

Sailing yacht V (WallyCento), designed by Mark Mills and built by Persico was initially launched in 2017. A balance of luxury cruising comfort and racing performance means this stunning yacht can compete in top sailing regattas while also offering the amenities and spaciousness of a superyacht for leisure sailing.

That said, this Team is fiercely competitive and always on the lookout for performance enhancing opportunities. The owner and sailing team



chose to install a Cariboni tack line ram for asymmetric downwind sails. To accommodate this, a custom RP 5T Lock was required at the end of the ram, using RP Dual-Direction Bullets spliced into the tack line.

The project's timeframe was exceptionally limited, nevertheless, we successfully managed to design, produce and deliver the product in time for the planned sailing schedule. The initial iteration of the lock mechanism was tested under race conditions and led to some minor design iterations to enhance its user-friendliness. To ensure timely completion before the Maxi Worlds, crew Member Mike Joubert undertook a day trip to La Ciotat to collect the necessary components and return them to the Rigging Projects base in Southampton, UK. Subsequently, new parts were machined, and Rigging Projects project manager Matt Hall returned a week later to install them and conduct comprehensive sea trials.

Rigging Projects were on hand during the Maxi Worlds to provide regatta support and were pleased to report that the lock worked flawlessly every time. This project was a fantastic example of how Rigging Projects works together with a Team. We have a total commitment to solving problems by developing solutions that involve great design.



DESIGN AWARDS

Here at Rigging Projects, we value feedback from sailors, captains, designers and manufacturers, allowing us to tailor to all involved, finding out what works for them and what can be improved upon. This information is then taken and used to push the boundaries to create something remarkable. We carefully craft prototypes, test and fine tune each piece, leaving a result that is both practical and beautiful.

One of our latest developments and we are delighted to say, a DAME nominated product, is the RP Switch Lead. This innovative product allows the easy change out of lines led on deck, without the need for end to end rethreading. The Switch Lead is easy to open and close, allowing for a swift change of leads at a moment's notice. It represents a significant advancement in deck hardware technology as it is the world's first opening organiser or fairlead available on the market.

In many sailing setups, 'clean runs' can be challenging due to complex deck layouts. This product allows for the seamless and straightforward adjustment of lines, ensuring optimal alignment whilst reducing friction.



As Sunreef's groundbreaking 43-metre luxury catamaran series continues to turn heads in the yachting world, the first two hulls of this innovative range are nearing completion, and the buzz around their technical equipment is growing. Among the suppliers for these superyachts is Rigging Projects, who is providing state-of-the-art solutions to enhance the performance and safety of these impressive vessels.

Working with the mast builder, Lorima, Rigging Projects has supplied both hulls with our advanced HBT 24T Automatic locking headboard car system, 30T Code Zero Idler Sheave lock and 20T Internal Bullet lock systems in the boom for reefing, designed to secure sails with precision and reliability. These components are critical in maintaining optimal sail performance, especially under high loads, and ensure seamless operation during manoeuvres.

The Sunreef 43M is a high-performance, eco-conscious superyacht designed for long-range cruising, and collaboration with leading companies such as Rigging Projects and Lorima ensures that these yachts have only the best in marine technology. As the first two hulls prepare for launch, Sunreef's decision to partner with Rigging Projects and Lorima is proving to be instrumental in delivering the top-tier sailing experience that discerning yacht owners expect. Stay tuned for more updates on these exceptional vessels as they take to the water in the coming months!

## TRULY CLASSIC 128 RUNNING RIGGING PACKAGE

In 2020, the Textile Division of the Rigging Projects Group was selected by Hall Spars and the Owner's Team, led by Nigel Ingram of MCM, to furnish the comprehensive running rigging package for the Hoek Designed Truly Classic 128, Halekai. Fast forward to 2024, and we have recently provided and commissioned the complete running rigging package for the latest TSC128 05, Linnea Aurora. Collaborating with Maffioli, the Rigging Projects package consisted primarily of lines that featured a combination of Natural Technora beige and white covers, to maintain consistency with the classic aesthetics. Additional features of the package included captive winch specific material for the mainsheet and a subtle, numeric coding fleck for reef lines to enable the crew to easily discern the correct line. In total, over 2 kilometers of rope and loop material were supplied. RP also collaborated with Hall Spars to provide the Automatic Locking headboard car system. This system was comprised of the HB18 (18T MWL HB Car) Gaff lock and Pin head sail plate.



#### 5-AXIS MILLING MACHINE

This year, our machining capabilities have taken a monumental leap forward with the acquisition of a Matsuura 5-Axis Vertical Machining Centre. This extraordinary machine is a testament to our commitment to the innovation and excellence we strive to achieve in manufacturing. Its sheer size posed unique challenges. To accommodate its entry into our building, we had to remove multiple walls. Additionally, we applied for building regulations to reinforce the machine shop floor, ensuring it could withstand the machine's substantial 23000kg weight.



After extensive training from the Matsuura team, the machine is now fully operational, proving its worth with every project. Equipped with an incredible 130 tools on a 330 tool magazine base, we can now handle variable-part and variable-volume production with unmatched efficiency and it significantly expands our capabilities for lights-out production, enabling us to optimize our operations and reduce lead times. We can now take on more complex projects, producing parts with intricate designs and demanding tolerances. The machine's advanced features also enhance our productivity, allowing us to meet tighter deadlines and deliver exceptional results consistently.

## **OUR NET ZERO GOAL**



At Rigging Projects we are committed to leading the marine industry towards a more sustainable future. Our goal is to be a Carbon Neutral business by 2027, and most importantly Net Zero by 2030.

We are dedicated to minimising our environmental impact by reducing emissions, optimising our operations, and investing in eco-friendly technologies. Recent changes we've made to achieve this include the installation of solar panels on our HQ premises, fully recyclable and biodegradable packaging, and implementing a paper-free office. We're engaging with multiple environmental sustainability experts to help us reach our Net Zero target. It is a monumental task for a manufacturing business but we are dedicated to innovating responsibly and keeping the environment at the forefront of our decision-making process. Watch this space!

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