

CARACOL AND V2 ASTILLEROS Y EMBARCACIONES JOIN FORCES TO DRIVE INNOVATION AND SUSTAINABLE PRODUCTION IN THE BOAT BUILDING SECTOR

AMSTERDAM, NETHERLANDS – At this years' METSTRADE, Caracol, key player in large format robotic 3D printing, and V2 Astilleros Y Embarcaciones S.L., leading innovative boatbuilding company in Spain, are excited to announce their partnership.

The two companies have been collaborating with the aim of **exploring and developing new solutions for the boat building sector and produce sustainable boats and structural components** using recycled materials and large format additive manufacturing.

V2 Boats and Caracol will be **combining the know-how matured in years of work in the sector**. On the one hand, a young and dynamic brand in the nautical sector with over 15 years of experience in design, construction, and development of boats, and that works to bring discontinuity in shapes and process. The V2 team of naval architects and engineers uses hydrodynamics simulations and computer assisted structural calculations to complete high quality projects and perfect design of their boats with absolute precision before getting into manufacturing.

On the other hand, Caracol is a leader in robotic large format production, with around 10 years of experience 3D printing parts for advanced sectors. The company has been expanding on its capabilities in the marine sectors, delivering qualified parts produced with its proprietary Heron AM – robotic LFAM – platform to leading shipyards and super yachts builders, as well as pioneering the possibility of manufacturing complete and functional boat hulls with the technology. Specifically, the company has been working on a variety of different boat types and parts, including large-scale molds for composite lamination, implants for yacht hulls, direct production of lightweight racing boat parts, and customized components such large superstructures – e.g., visors, air grids, dashboards, and more.

V2 Boats will be installing a **Heron AM** platform in Spain to manufacture boats – including complete boat hulls and components such as super structures, furniture, and more – and support companies in the Marine industry in both the **Iberian Peninsula** and **LATAM region**.

Through this partnership the companies believe that it will be possible to further expand and advance the use of large format 3D printing bringing it into production of finished boats and parts.

Caracol was founded at the end of 2017 in Milan, Italy, with the vision of pushing the limits of additive manufacturing in terms of scale, efficiency, and sustainability. The company accomplished this by developing an integrated technological platform, including both hardware and software, to produce advanced large-scale components. Through the integration of a patented extrusion head, the development of a dedicated software, and the use of robotic arms as movement support, Caracol offers an additive manufacturing technology for advanced components for customers in industries such as aerospace, marine, energy, design, and architecture. Heron AM manufactures parts such as jigs and molds for aircraft components, finished parts for yacht and boat superstructures, or revolutionary projects to initiate virtuous circular economy processes for the energy or design sectors. Today the company has opened the largest LFAM production center in Europe, a new production facility in Austin (TX), USA opened in August 2023, and has a core team of over 70 international professionals with highly specialized competences, in areas such as mechanical engineering, automation, computational design, design for additive, and advanced manufacturing processes.

<https://caracol-am.com/>

V2 is a well-established and dynamic brand, distinguished by a unique mindset fostered by our experienced team of engineers and naval architects, each boasting over 15 years of expertise in boat design, construction, and development. Founded in 2013, V2 Boats emerged to disrupt prevailing trends in small to medium-sized sport boats. Our commitment lies in introducing a fresh concept: versatile, spacious, and incredibly enjoyable boats. V2 stands as a symbol of quality, a value ingrained from the initial stages of design to the meticulous finishing details. Our engineers have undertaken an improvement and rationalization process, enabling us to select top-tier materials and components. This aligns with our philosophy of creating democratic and affordable boats. With bases in Palma Majorca and Barcelona, our reach extends across prime maritime locations. Backed by precise engineering, our naval architects navigate design challenges using cutting-edge technology. Through intensive hydrodynamics simulations and computer-assisted structural calculations, each stage of our projects undergoes thorough validation. The result is a flawlessly designed product, characterized by an unparalleled level of precision before the construction of the first unit.

<https://www.v2boats.es/en/>

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