

## Caracol and Impac Systems Engineering partner to rise potential with robotic integration in North America

Texas 3D printing firm takes new strides in Large Format Additive Manufacturing



*Kelly Knake, Vice President Business Development of Impact Systems Engineering (ISE), with Caracol's CEO Francesco De Stefano and Business Development Director of NAFTA Tim Ruffner within Caracol's HQ and Innovation Hub near Milan, Italy.*

[09 May • 2024] – [Impac Systems Engineering \(ISE\)](#) is excited to partner with [Caracol AM](#), reaching the North American market as they continue developing their involvement in advanced Large Format Additive Manufacturing (LFAM) to now offer large scale robotic 3D printing solutions.

The proprietary platform, Heron AM, boasts a large modular - polymer and composite pellet extrusion - robotic 3D printer that has been rigorously designed for complex industrial applications. This hardware, in cohesion with Caracol's integrated software Eidos Manufacturing, provides powerful solutions to ever changing industrial sectors.

*"Caracol has achieved a breakthrough in 3D Printing speed and size with their technology. We are excited to bring this unique solution for printing sizes well beyond one meter cubed at tremendous extrusion rates while using low-cost polymer in pellet form."*, says Scot Andrews, P.E., P.Eng., Owner & Professional Engineer of Impac Systems Engineering.

*"Caracol is excited to be partnering with Impac Systems for reselling Heron AM."*, says Tim Ruffner, Business Development Director of NAFTA at Caracol. *"Thanks to their broad portfolio and engineering*

# CARACOL

*experience the company has in the additive world we believe they'll be a great asset to strengthen our local presence in the country and deliver LFAM to many new industrial companies."*

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## CARACOL

Caracol was founded in 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 60 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/>

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## IMPAC SYSTEMS ENGINEERING (ISE)

For over 35 years, IMPAC SYSTEMS ENGINEERING (ISE) has grown to provide all-inclusive solutions for numerous additive manufacturing applications. With the support of skilled designers and technicians, ISE offers software, equipment, and training to develop ideas into reality from start to finish. ISE believe in building strong relationships. Its diverse portfolio brings together solutions for data preparation software, high performance plastic/metal/and large format 3D printing, as well as post processing. Paired with our esteemed technical engineers to take care of service questions and repairs, we can bring your business into the future of manufacturing.

<https://impacsystems.com/>

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