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A PARADIGM SHIFT IN INFLATABLES: SHAPEWAVE DEMO AT JEC WORLD 25

shapewave Industries B.V., a pioneering Dutch startup, is set to unveil a groundbreaking advancement in inflatable manufacturing at JEC World 2025 in Paris: the world's first machine-made, free-form inflatable part. shapewave industries' patented technology allows for the automated design and production of complex shapes at an industrial scale, opening new possibilities for a range of industries.

The patented shapewave technology enables the automatic calculation and application of internal structures, making it possible to produce rigid inflatable components with over 1 bar pressure. This shift in inflatable construction removes the need for upfront tooling costs, drastically reduces lead times, and unlocks the potential for applications in areas like aerofoils, hulls, molds, and morphing structures such as inverting camber wing sails.

Markets poised for transformation include leisure marine, wind energy, defense, transport, and tool-making, where the scalability and flexibility of Shapewave technology promise to drive down production costs while enhancing performance and possibilities for innovation.

Founded in 2022 by inventor Rudo Enserink, shapewave Industries has already developed the complete software and hardware chain necessary to demonstrate the technology. The company is now focused on expanding its team, advancing its IP portfolio, and refining materials and construction methods. shapewave industries is actively seeking strategic partners to help scale this innovative technology and explore new opportunities across key industries.

Visit the shapewave demo wing at the Industry Innovation Planet during JEC World 2025.

