

# **When Performance Becomes Visible: Refining Running Trim with Orca3D**

At Bayliss Boatworks, performance is evaluated not only through data, but through how a yacht looks and feels at speed. By leveraging Orca3D's Marine CFD tools inside Rhino, the design team is refining running trim and stagnation lines, elevating both hydrodynamic behavior and visual clarity on the water.

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# **Silverback Grizzly 21 LE: Data-Driven Design for Law Enforcement on the Water**

A high-performance patrol vessel designed with Petestep's Spray Deflector Technology and refined through Rhino and Orca3D Marine CFD. The Silverback Grizzly 21 LE sets a new benchmark for speed, efficiency, and crew comfort in law enforcement marine craft.

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# **MarineCFD Workshop**

Orca3D is offering a half-day Marine CFD workshop at IBEX 2025. If you are a current user or interested in becoming a

user of Orca3D Marine CFD (which is based on SimericsMP), this workshop is for you!

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## **Pushing the Limits of Offshore Racing: IMOCA Partners with Orca3D**

IMOCA has partnered with Orca3D to bring advanced stability analysis and streamlined design workflows to the world of offshore racing. By leveraging the modeling power of Rhino, this collaboration helps teams build faster, safer, and more consistent IMOCA 60 yachts for the world's most demanding ocean races.

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## **True North 39 Outboard Express: Catalina Yachts' Modern Classic**

Catalina Yachts has been building boats for 50 years, and the True North 39 provides mariners with unforgettable adventures – it blends sturdy, traditional Downeast design with modern performance and comfort.

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# **V2 Marine Design: Revolutionizing Marine CFD with Orca3D**

Integrating Computational Fluid Dynamics (CFD) into small design offices has revolutionized the marine industry. Orca3D's template architecture in Rhino3D has made the process accessible for non-CFD experts, extending the analysis beyond the hull to evaluate fluid behavior in a 3D domain.