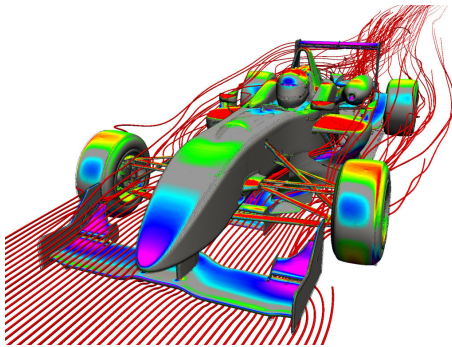


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## ***Perfect Storm returns to IBEX 2022***



[TotalSim's](#) winning open wheel CFD



[Porta Performance's](#) winning hull design

**May 10, New Smyrna Beach, FL;** IBEX '22, sees the return of Perfect Storm to the Tampa Convention Center, September 27-29.

Perfect Storm's return to IBEX once again supplies boat builders with an up-close and personal connection to the best-of-the-best in high tech hull design technology. Functionally, Perfect Storm is a combination of the world's best automotive and boat racing experts focused on perfection in hull design.

When *Professional BoatBuilder* magazine reached out to Scott Porta of Porta Performance for a grouping of experts in boat and auto racing for its article on advanced hull design, that gave birth to an idea: build a "collective" of highly experienced experts in other fields and put them together in the marine industry.

Scott Porta said it best, "Our old school boat builders take an existing mold, cut and paste new widgets on to it, pull a part and see how it performs. We can't do that anymore. We in the marine industry have been building boats with old fashioned methods way too long. We need to move toward design methods that our brothers in automotive have been using for years." He continues, "We canvassed the entire US for wind tunnel technology, and we found the time and expense required was too much for boat builders. Next, we looked for experts in CFD (Computational Fluid Dynamics) to see if that might be a solution for us. Once we understood the technology, we found CFD was exactly what we needed."

[TotalSim US](#) was chosen as the CFD partner for Perfect Storm. Not only does its UK based sister company have extensive marine design experience, but the US component has deep roots in IndyCar, Formula One, NASCAR, and IMSA Sports Car aerodynamics. Naethan Eagles leads the team for TotalSim US. He created the CFD Department for the BMW-Williams F1 Team. During his time there, he expanded the size and scope of the department, placing CFD at the heart of all aero development. Naethan has also served in aerodynamics R&D roles at Advantage-CFD, Rolls-Royce, among others. TotalSim US also designed the Honda aero-kit that won the 100<sup>th</sup> running of the Indianapolis 500.

Perfect Storm needed not only a high-tech CFD partner but someone with documented marine expertise well versed in high performance. Porta Performance supplies just those qualities. Scott Porta, the creator of Porta Performance, holds 11 national, world, and sanctioning body titles in offshore racing. He says it best, "Speed exaggerates everything. If a design will work at 120 mph, it will work at 50 mph."

Additionally, Scott has developed a unique bottom design that provides universally better handling, faster speeds, and greater control for any vessel. Many aspects of the Porta Performance running surface design is now being implemented by several boat manufacturers. Additionally, Scott brings 35 years of performance propulsion expertise with the creation and production of the Porta Hydraulic Transom Lift System.

Finally, Scott states, "The technology team is quickly growing. Our goal for Perfect Storm is to become the leading hydrodynamic/aerodynamic force in the marine industry. These initial unions are the foundation of a growing "toolbox" of knowledge targeted mostly at the marine industry giving manufacturers an entire spectrum of talent, experience and technology for aerodynamic/hydrodynamic performance, comfort, and safety."

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Scott Porta, Porta Performance, Division of Porta Products Corporation

**About Porta Performance, division of Porta Products:**

Porta Products Corporation was founded in 1980 by Scott Porta. The Company has grown into a diversified facility housing several established marine manufacturers and providing "incubator" services to companies just getting started. Porta's primary product is the unique [Porta Hydraulic Transom Bracket](#), a one-of-a-kind product in terms of vertical travel and number of motors accommodated. Porta Performance, a division of Porta Products Corporation, was created to design high tech methods to improve the marine industry.



Naethan Eagles, Principal, TotalSim US

**About TotalSim US:**

TotalSim US was founded in 2009 as a full-service computational fluid dynamics (CFD) consulting and solutions group that provides decades of engineering knowledge and insight to clients in the automotive, racing, aerospace, and industrial industries. It is headquartered in Dublin, Ohio, with a West Coast office in Pasadena, California. TotalSim US was founded as a sister company to TotalSim Ltd. in Brackley, England.

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