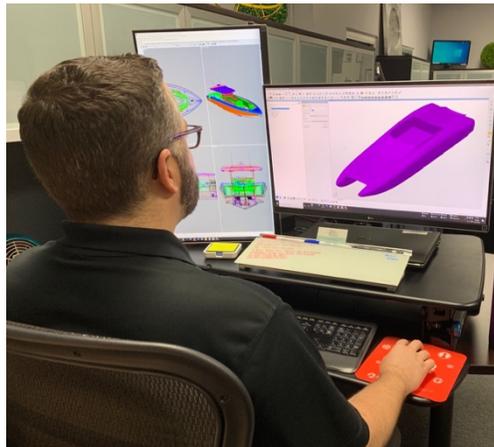


PORTA PRODUCTS CORPORATION
USES UNIQUE 3D LASER SCANNING TO IMPROVE MARINE AERODYNAMICS



Porta Products Corporation and Offshore Powerboat Association join forces for 2020



Porta Products' performance partner Jason Self of Dimensional Engineering

September 2019 - New Smyrna Beach, Florida:

[Porta Products Corporation](#) and Porta's performance partners introduce the creation of Marine 3D Laser Scanning and Aerodynamics at IBEX on October 1-3 in Tampa. Over a year in process, 3D Laser Scanning and Aerodynamics for the marine industry have come of age. A proof of concept/case study created a 3D Scan and CAD files of race boat designs to create the marine industry's most advanced design both hydrodynamically and aerodynamically.

IBEX was chosen as the backdrop for this new product from [Porta Products Corporation](#). At Booth 1-033 leaders and innovators from hull design, hydrodynamics, aerodynamics, reverse engineering, quality measurement and quality control will be available to discuss the latest in advanced boat design and manufacturing.

Scott Porta of [Porta Products Corporation](#) undertook to resolve the "unsolvable problem" which comes from offshore racing. What happens at 100+ MPH when a catamaran converts from a boat to an airplane without

wings? Porta stated, "Here's the dynamic, the engines are supported by a plane of hard water coming from the hull on the bottom of the gear cases ... only until the boat launches and flies. At that point, the engines become a thousand pounds of dead weight, the center of gravity shifts, the bow elevates, and the rest is history."

After 3D scanning, the case study/proof of concept moves to file assembly, computational fluid dynamics (CFD), 3D printed model and even wind tunnel for design validation prior to creating the tooling and molds. Upon completion, the intent of the project is to build a full sized, race ready version of the new cat design. Once complete, this boat is slated to compete for a World Championship in the OPA (Offshore Powerboat Association) series in 2020.

Ed Smith, OPA CEO/Principal stated, "In the automotive industry all new cars are tested on the track before production. For us, OPA is proud to be slated as the primary real time test tool for this new technology. With our variety of wind, water and weather conditions, we are the logical choice. We see this as a new marine design solving old school problems."

The end result: Produce vessel designs with both hydrodynamic and aerodynamic integrated technology.

About 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.

About Offshore Powerboat Association:

The original New Jersey Offshore Powerboat Racing Association has been the host club since racing started in Point Pleasant Beach some 37 years ago. NJ Offshore (NJOPRA) is still a very active club with over 100 members and has kept the tradition of Offshore Racing alive in Point Pleasant Beach for all those years. The Offshore Powerboat Association is nationally hosting the most aggressive brand resurgence ever in offshore racing. Over 100 teams from 21 states race in the series.

For additional images or information, please contact:

Media - Clay Ratcliffe (386-589-8848)

Sales - portaproducts@aol.com (386-428-7417)