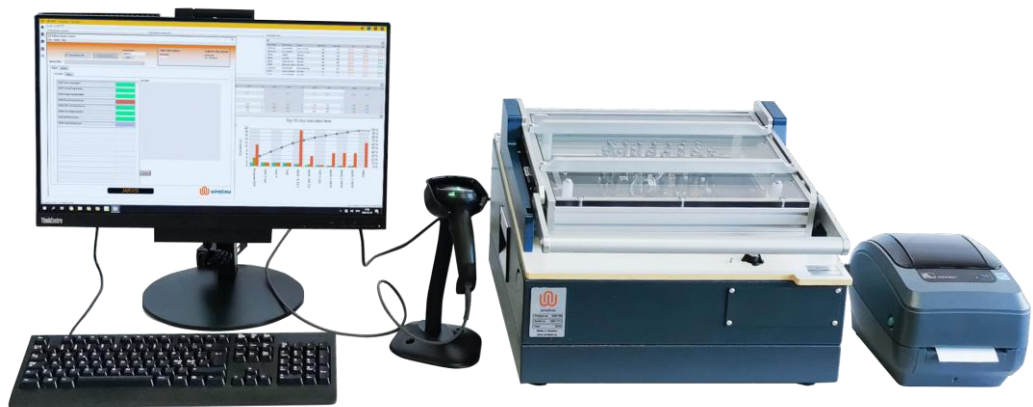


Humphree

A new PCB Test system and maintenance of existing systems

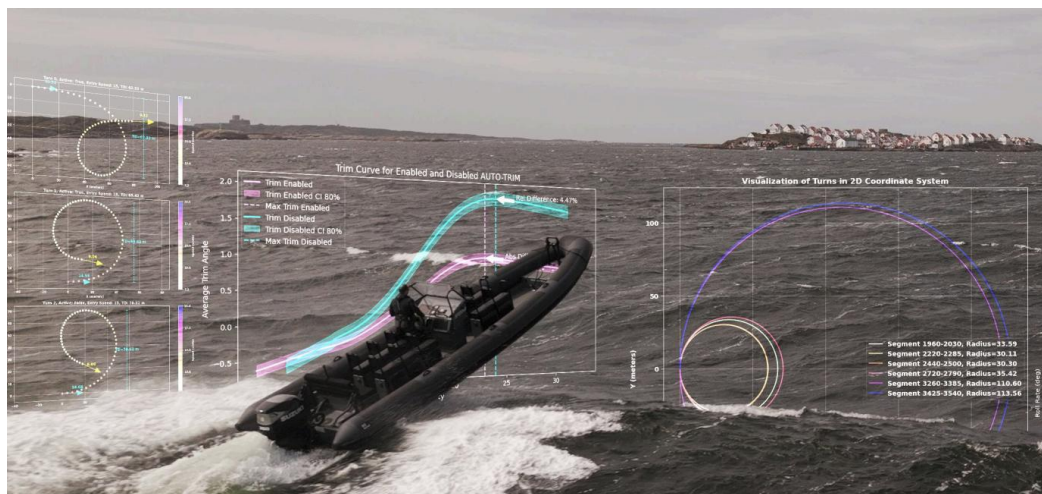


Company

Humphree is a Swedish marine technology company founded in 2002 in Gothenburg, specializing in electric, hydraulics-free stabilization and motion control systems for a wide range of vessels - from leisure boats and superyachts to commercial and naval ships.

Their product portfolio includes high-speed servo-driven interceptor trim tabs and electric fins, designed to reduce roll and pitch, optimize trim, and deliver sharper maneuvers with increased fuel efficiency. Its global dealer and support network ensures high-quality service, spare parts availability, and local expertise in over 45 countries.

Driven by innovation and sustainability, the company is dedicated to delivering **“ultimate balance for more days at sea”** - prioritizing comfort, safety, fuel efficiency, and reduced environmental impact.



The Challenge

Humphree needed a reliable PCB test system for one of its products - built with the flexibility to onboard additional products over time. Beyond technical performance, they prioritized uncompromising reliability, production traceability, and collaboration with a trusted partner that could move fast without sacrificing quality.

Humphree was looking for more than just a new PCB test system. They needed a partner who could not only design and deliver a future-proof solution for one product but also provide ongoing support for several existing test systems already in operation.

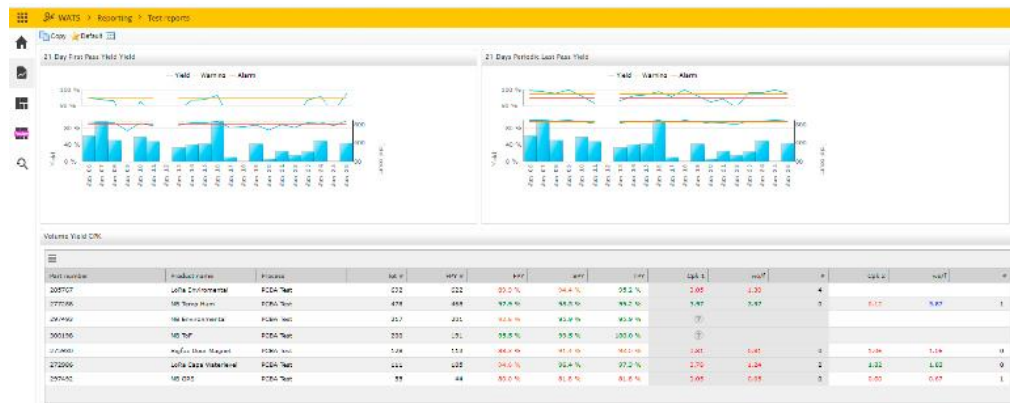
The Solution

We developed a modular PCB test system where all test hardware is placed inside a platform fixture. A needle bed cassette for each product to test is inserted into the fixture box. Printing of product labels were also included in the test system.

WireFlow's own operator interface Lana was used for running the test application.



To be able to get full traceability of all test data, the tool WATS from Virinco was used. By using WATS, you can quickly identify production yield issues, frequent test or product failures in real-time directly through your web browser or mobile device.



We signed a support agreement with Humphree giving the customer access to our engineers within hours. Humphree has so far used the support agreement to add additional functionality to the new test system and for supporting several existing test systems already in operation.



CASE STUDY



Result

“Together with WireFlow, we have enhanced and further developed our existing PCB test equipment into solutions that we can confidently rely on to meet the operational requirements of our business.

Regardless of whether the task has involved a minor adjustment or a more extensive upgrade, WireFlow has consistently demonstrated attentiveness, providing timely feedback and expert guidance on what is feasible and what would deliver the greatest efficiency for our needs.

Through WireFlow’s dedicated portal, it is straightforward to follow up and monitor ongoing matters by creating Tickets. The convenience and highly effective support that WireFlow provides are qualities we greatly value at Humphree.”

- David Andersson, SQE, Humphree