

Case Study: Hydrodynamics Control

David Sanabria – Hydrodynamics Design Engineer



Florida Turbine Technologies, Inc.
Providing Innovations That Work™

Company & Author Profile

Florida Turbine Technologies (FTT) is a turbomachinery design and development company specializing in simple, technically superior designs. I am the design engineer responsible for the design of the test hardware in the hydrodynamics lab.

Why LabVIEW

FTT afforded me more responsibilities in our lab, and a refresher course in LabVIEW was needed.

Why Sixclear

We chose Sixclear because they offered the level of customization required to meet our needs. Sixclear was able to tailor their classes to meet our requirements and varied experience, providing an accelerated learning pace while delivering a very clear curriculum. The availability to review courses and code online at a later date was a huge benefit.

Results

After taking the LabVIEW courses offered by Sixclear, I was able to modify the controls suite for our Hydrodynamics laboratory. This controls suite oversees over 56 pressure transducers, 16 thermocouples, various turbine and Venturi flow meters, a magnetic bearing system, a variable frequency drive, and a variety of cameras. The facility was converted from testing rotating hydraulic turbines to a modular jet pump test configuration. The concepts and methods taught during our Sixclear course allowed us to decipher old code and adapt it to achieve the necessary level of functionality.



Any other comments about Sixclear?

Great instructors. It was totally awesome.