ACQUIRED DATA SOLUTIONS

ADS Designs a System Interlock Panel for Testing Support Within the Clients Lab

OVERVIEW

ADS was hired by an aerospace and defense global security company for an automated test system in their design lab. The aerospace & defense company was awarded a contract to design an Electronic Warfare Attack System that will be integrated with other sensors and combat managements systems. The system will enhance electronic warfare capabilities and enable navy warships to counter threats non-kinetically.

THE CHALLENGE

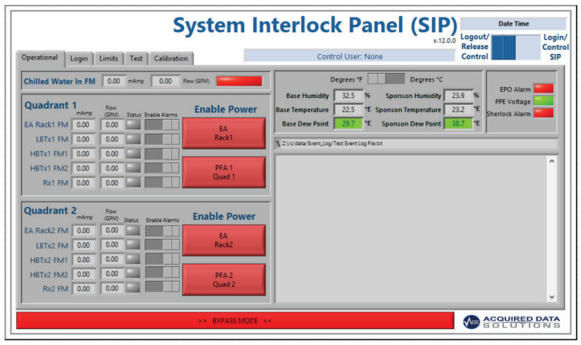
Client needs to be able to test equipment in specific environmental conditions and be able to monitor and change the conditions to makes sure they meet specifications. One challenge of the SIP project was the need for single point signal acquisition and data processing with scalable multi-point remote terminal access.

THE SOLUTION

ADS Test Engineers were hired to design and develop a system that would ensure optimal testing environment conditions and safeguard the equipment under test and the lab workers.

- The System Interlock Panel monitored environmental conditions in the lab including: temperature, humidity, dew point, coolant flow meter readings deviate from the system specifications.

- The integrated software was used for:
  - Real-time monitoring
  - Control Functionality
  - Data Logging
  - Configuration tuning through Graphical User Interface (GUI)



CONCLUSIONS

- After successfully completing the manufacturing readiness assessment, demonstrating proven processes and equipment in place, the team launched material procurement and has started manufacturing the first two LRIP systems.

- As progress continues, the client is on track for targeted installation in 2021.

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