



Complex System Build

SQUARE-1 TURNS AROUND CLIENTS FAILING PROJECT, PERFORMING HARDWARE BUILD AND SOFTWARE DEVELOPMENT AND VERIFICATION ON HYDROPHILIC COATING SYSTEM; SUCCESSFULLY MET AGGRESSIVE DEADLINE 2 WEEKS IN ADVANCE ALLOWING CUSTOMER TO SHIP SYSTEM INTERNATIONALLY ON TIME

SITUATION

Two suppliers fell short of our Clients expectations causing their project to fall behind schedule. Work performed by those suppliers was poor, causing component automation failure and UI issues. These suppliers also withheld information causing the project to stall.

ACTION

The Square-1 team reverse engineered entire system, then built each subsystem from the group up. Reviewed, edited and verified all code, created new UI with safety mechanisms. We also created a new troubleshooting protocol to make system level adjustments easier for operators to utilize.

TASK

Our client needed a new supplier they could trust, who was experienced in complex system builds, embedded software programming and system level verification & validation to get their project back on track. Two (2) hydrophilic coating systems needed to be fully functional within an aggressive deadline in order to ship internationally while meeting Board expectations.

RESULTS

Square-1 team turned around a failing project as a result of two prior suppliers poor performance. System reverse engineering, new build and software verification was completed two weeks ahead of schedule allowing Client to ship a fully functioning system on time meeting Board expectations.

SME TEAM:

1x Electrical Engineer, 1x Project Manager

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- Engineers Beyond Expectations -