

CASE STUDY



SYSTEM BUILDS

OVERVIEW

Our client, a stroke treatment developer, had two suppliers fall short on performance causing our clients project to fall behind schedule. Work performed by these suppliers was poor, causing component automation failure and UI issues. These suppliers also withheld information causing the project to stall.

CHALLENGE

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.

ACTION

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

Teammates Included:

- 1x Electrical Engineer
- 1x Software Developer
- 1x Project Manager

SOLUTION

Square-1 team turned around a failing project by reverse engineering the system, assembling system and developing & verifying software; completed project two weeks ahead of schedule allowing our client to ship its hydrophilic coating system on time to meet Board expectations.



**2 WEEKS
AHEAD OF
SCHEDULE**