



Emerson: Super, Measurable Success

SUMMARY

Our client, a Fortune 500 company which manufactures products and provides engineering services for industrial, commercial, and consumer markets, was a traditional mechanical provider, and with a clear understanding of what their customers needed, they had set a goal to become a software provider. Those needs had to be architected, designed and stated as requirements so the work could be planned, coordinated and completed, by hardware, electronics and software teams. Since software engineering was new to the company as a whole, they needed to implement a technology lifecycle strategy for their tech stack as well as their environment. Source Allies helped define the skills necessary in their technology lifecycle and coached them in how to adopt Agile practices that would enable their success.

SOLUTION

Our Agile coaches worked hand in hand with client teams to implement a series of process improvements, centered on Value Stream Mapping. We created a streamlined workflow in CodeBeamer, reducing sprint and release cycle time. By establishing a more efficient meeting structure and eliminating the change control board, we empowered teams and boosted their motivation, fostering a culture that embodied Agile values. We demonstrated our commitment to continuous improvement by implementing requirements engineering training and refining the approach, creating a new layer of system requirements and breaking down work into ideally one-day portions. Testing processes were improved by decoupling testing from live devices and rolling out Pair Programming and Test-Driven Development increased team skills and reduced defects. The project achieved end-to-end traceability and automation, and this successful process transformation brought the project back from a 18 month delay to an on-time completion.

RESULTS

479%

Agile Maturity Score
went from 19 to 110

80%

80% defect reduction

10x

Average cycle time
decrease 10x

50%

Team skills increased
50% by pairing
with coaches