

Clear Requirements: A Blueprint for Success

HOW CLEAR AND WELL-DEFINED REQUIREMENTS SHAPE SOFTWARE DEVELOPMENT SUCCESS

SITUATION

- MedAcuity was engaged to address performance issues and enhance the functionality of a controller for an implantable device targeted for IDE submission
- Disagreements among company stakeholders regarding the scope of requirements threatened the success of the initiative tied to a crucial funding event

CHALLENGE

- A stakeholder advocating from the clinical perspective pushed for additional features and functionality, risking schedule and budget overruns beyond the company's acceptable limits
- Throughout the development cycle, stakeholders attempted to introduce unplanned requirements disrupting project momentum

SOLUTION

- Proactively adjusted team staffing levels until requirements were clearly defined to ensure budget adherence
- Guided the decision-making process within the company, establishing a baseline of Minimum Viable Product (MVP) requirements
- Initiated a Change Control Board (CCB) to scrutinize any proposed changes beyond the original requirements for their value and impact

RESULTS

- Accelerated the establishment of a baseline of requirements by several months
- The CCB prevented low-value changes, maintaining a predictable project velocity
- Successfully implemented all high-value requirements in the IDE release, leading to a successful company funding event

ABOUT MEDACUITY

MedAcuity, a software engineering firm, partners with companies to address the business and technical challenges inherent in developing complex software-intensive solutions. Offering a combination of strategic consulting services focused on aligning product technology strategy with business goals and full lifecycle software development expertise, we accelerate the pace of innovation for leading companies and innovators in the MedTech, Life Sciences and Robotics industries. With over a decade of experience in software design and development methodologies for highly regulated and compliance-driven environments, our technical capabilities span all levels of software from embedded systems to mobile devices, the cloud and enterprise technologies.

Accelerating the pace of innovation while reducing development time and risk.

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