

Objective

Develop and deploy a web-based application to automate the lead-cutting process at the client's Cable Assembly manufacturing plant, aiming to improve efficiency, accuracy, and productivity in manufacturing operations.

CASE STUDY

Scope

- Address inefficiencies in the manual lead-cutting process which involved multiple steps and periodic measurements.
- Automate measurements, validation, and documentation to reduce errors and enhance productivity.

Solution

- ✓ Developed a web-based application tailored to the specific needs of the client's manufacturing requirements.
- ✓ Implemented advanced features such as role-based access control, audit trails, and system integration capabilities to enhance usability and scalability.
- ✓ Digitized the lead cutting process, enabling automated measurements, real-time validation, and streamlined documentation.

Value Added

- Provided full lifecycle support from inception to post-MVP, including roadmap planning and system maintenance
- Developed a custom solution targeting the client's specific manufacturing needs.
- Used advanced web frameworks and databases to efficiently automate the lead-cutting process.
- Collaborated with the client's team to resolve implementation challenges, ensuring project success.
- Delivered cost savings, increased efficiency, improved product quality, and ensured compliance with standards.

Frameworks & Tools

