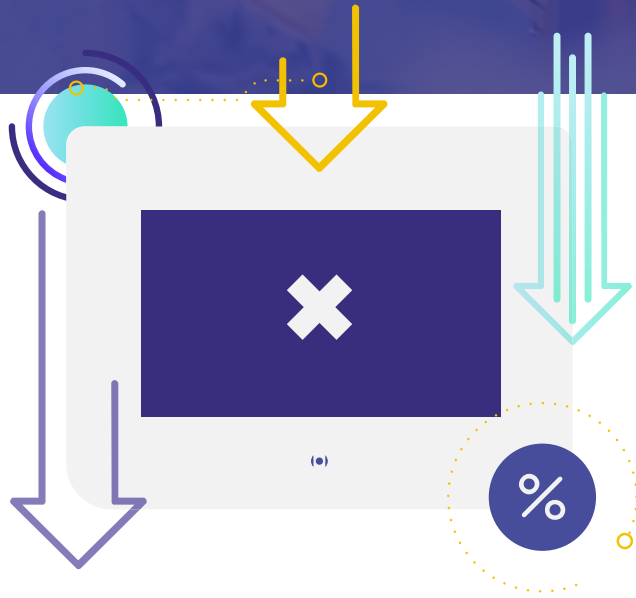




Customer Success Story



Challenge

A leading medical device manufacturer specializing in radiology-based products faced a critical challenge as **their hardware and user interface solutions were nearing the end of life.**

They needed to redesign their products to maintain backward compatibility and ensure compliance with stringent regulatory standards. Their expertise in radioisotope operation did not extend to user interface design, which posed a significant risk in creating a reliable, fail-safe UI.

Solution

Amulet Technologies partnered with the company to deliver a complete board-level solution, addressing key areas:

Partitioned Design: Amulet's UI runtime platform controlled the entire UI, allowing the company's engineers to focus on instrumentation.

Fail-Safe Functionality: The system architecture ensured that if one component failed, the remaining system continued to operate safely.

Backward Compatibility: Amulet's solution enabled the reuse of existing certified UI software, avoiding costly recertification.

Comprehensive Support: Amulet provided transition stock to ensure a seamless migration to new hardware.

Expedited Transition: The typical five-year redesign and redeployment process was reduced to six months.

Optimized Resource Allocation: The process was completed with just two key team members, reducing internal resource strain.



Results

The partnership with Amulet Technologies enabled the manufacturer to achieve several critical outcomes:

Regulatory Compliance: Maintaining the existing UI minimized the scope of recertification, saving time and resources.

Operational Continuity: Plug-and-play compatibility eliminated supply chain disruptions, ensuring uninterrupted product delivery.

Cost Efficiency: Avoiding a full software rewrite and leveraging Amulet's hardware expertise reduced development costs.

Consistent User Experience: Caregivers benefited from a consistent UI, requiring no retraining and enabling better patient care.

Future-Ready Transition: Amulet's modular solution positioned the company for seamless upgrades, enhancing the UI experience through future redesigns.

No Lost Revenue: The uninterrupted product delivery prevented potential revenue losses over five years.

*"Amulet Technologies **reduced our product lifecycle transition from five years to six months**, ensuring no lost revenue or supply chain disruptions. Their backward compatibility and seamless transition planning were crucial."*

Key Takeaways

Amulet's partnership highlights the company's ability to:

- Deliver integrated hardware-software solutions that reduce complexity and enhance reliability.
- Ensure seamless transitions during product lifecycle changes, safeguarding operational and regulatory stability.
- Foster long-term relationships by supporting multiple product generations, enabling sustained customer success.



Next Steps

For inquiries about how Amulet Technologies can support your development needs, contact us at **(408) 374-4956** or **[schedule a demo](#)** today.

Transform your product development journey with our industry-leading solutions.

