

# Maximize Legacy Product Value



## Client

Large Corporations

## Practice Areas

Advanced Imaging  
Robotic & Radiotherapy  
Combination Products  
Smart Medical Devices

## Core Disciplines

Software Engineering  
AI & Advanced Algorithms  
Mechanical Engineering  
Systems Engineering  
Electrical Engineering  
Quality System Management  
Embedded Systems

## Challenge

Legacy products face mounting pressure from component obsolescence, evolving cybersecurity requirements, changing regulatory standards, and shifting customer expectations – often compounded by knowledge gaps left as original development teams transition away. Organizations must modernize without disrupting production continuity, regulatory compliance, or core IP, requiring deep cross-disciplinary expertise that internal teams can rarely sustain across extended product lifecycles.

## Solution

Triple Ring applies a strategic sustaining engineering approach that integrates system modernization, performance optimization, and life-cycle management into a coordinated program tailored to each platform. Legacy software systems are migrated to meet modern cybersecurity standards, performance upgrades and feature enhancements extend product capabilities, and industrial design refreshes improve usability and market appeal. Supply chain optimization addresses obsolescence risks and improves production reliability throughout, with AI integration deployed where it adds measurable product value.

## Client Impact

- Extended the lifespan and market competitiveness of legacy platforms through targeted, minimally disruptive modernization
- Improved performance, reliability, and regulatory readiness without the cost or disruption of complete system redesign
- Strengthened cybersecurity posture and addressed component obsolescence risks across hardware and software
- Maximized return on investment across extended product lifecycles through combined engineering, AI, and supply chain optimization strategies

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