

Powering the Cloud Native Digitization Journey for a Leading Medical Devices Manufacturer



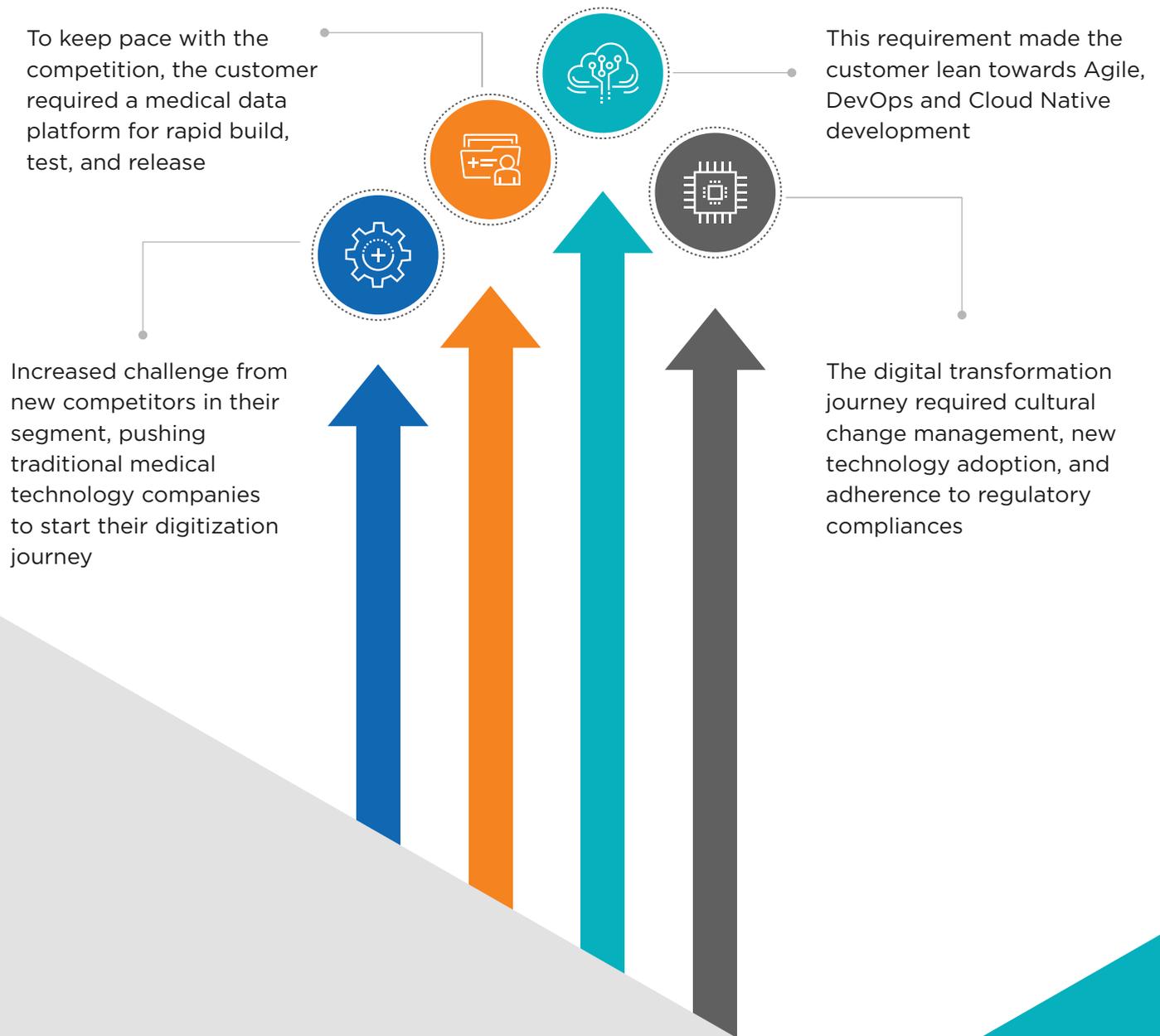


About the Client

A US-based, top medical technology company with over \$4 billion in revenue and over 10k employees.



Business Challenges/ Objectives





HCL's Approach and Solution

HCL has a specialized Digital Engineering practice that brings multiple tested frameworks and solution accelerators to help vertical industries such as Medical in their digital transformation journey. HCL began with a consulting phase, in which SMEs from the Medical domain, DevOps and Cloud conducted meetings with different stakeholders to assess the requirements, understand the long-term goals and the vision of business teams and create a digital transformation strategy. Based on this assessment, HCL recommended a cloud native approach to develop this platform and built the micro services architecture. Micro services were deployed on containers that would run on Kubernetes and hosted on Azure cloud. HCL was responsible for the end-to-end delivery of this platform. Apart from consulting and architectural design, this also included activities such as collaboration with third party vendors, tool stack identification and recommendation, assessment, and selection of the right hosting platform.

The development of this platform was accelerated by:

HCL's solutions such as the CARE platform for rapid development of micro services, and RAPID for faster provisioning of hosting environments

Orchestration of Azure Kubernetes service and iCOSMOS to monitor micro services

Leveraged the CARE platform that provides many pre-built functionalities for medical software

HCL frameworks like RAPID were deployed to set up the Continuous Integration- Continuous Deployment (CI-CD) pipelines

Optimizing the Kubernetes clusters and auto-scaling properties to reduce infrastructure costs

Enabled Cloud automation using Jenkins, Terraform, ARM, and Ansible

Introduced helm charts to manage the Kubernetes application



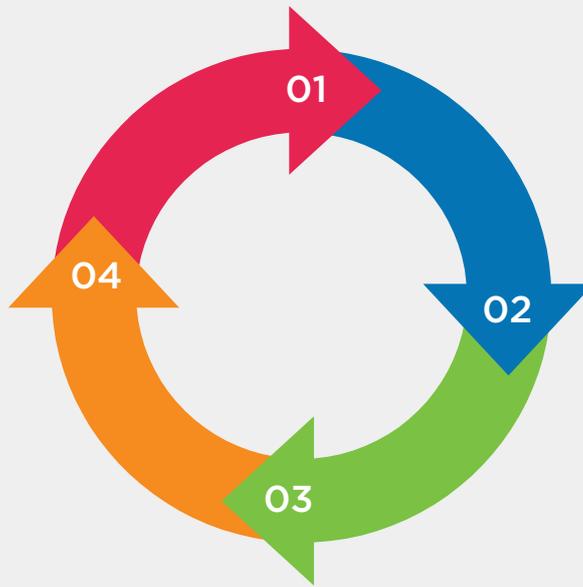
Benefits Delivered



10 repositories, 60+ micro services, secured key vaults, 40 - 60+ build/release pipelines, and 5 builds per micro service per day



Reduced Kubernetes management efforts by more than **40%**



Reduced cloud infrastructure cost of pre-prod environments by **\$2500** per month



Helm charts increased deployment rate to **2X**



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HCL Technologies is a next-generation global technology company that helps enterprises reimagine their businesses for the digital age. Our technology products, services, and engineering are built on four decades of innovation, with a world-renowned management philosophy, a strong culture of invention and risk-taking, and a relentless focus on customer relationships.

We offer an integrated portfolio of products, solutions, services, and IP through our Mode 1-2-3 strategy, built around Digital, IoT, Cloud, Automation, Cybersecurity, Analytics, Infrastructure Management and Engineering Services, amongst others. With a worldwide network of R&D, innovation labs and delivery centers, and 150,000+ 'Ideapreneurs' working in 46 countries, HCL serves leading enterprises across key industries, including 250 of the Fortune 500 and 650 of the Global 2000.

How can I help you?

HCL