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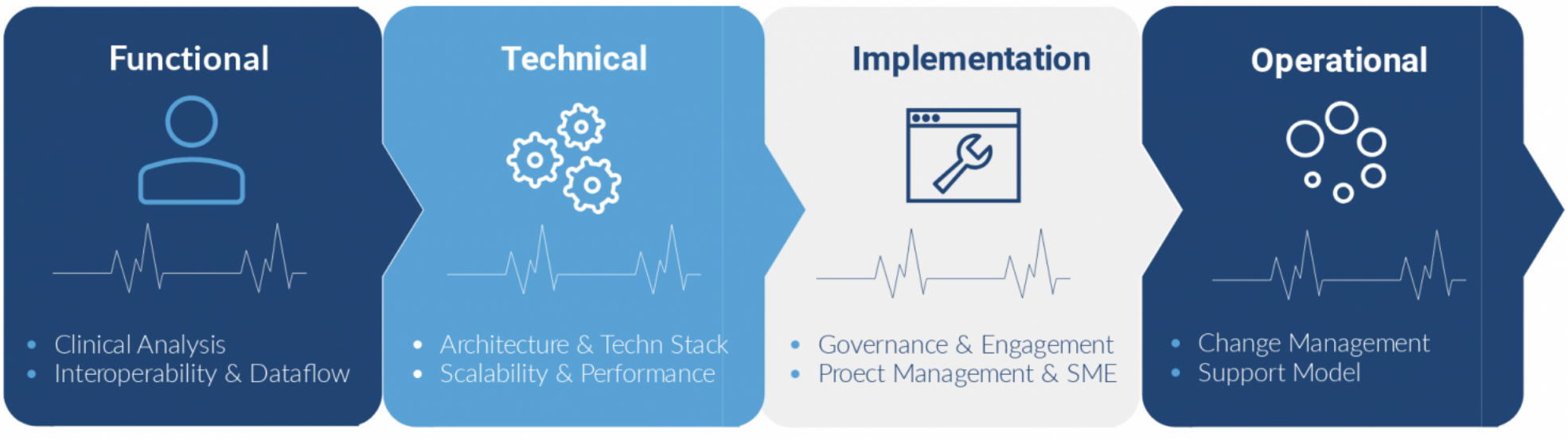
Cardiovascular Case Study

Client Profile

A multi-state 20-hospital health system with centralized infrastructure, including data center/VNA, IT and clinical applications support teams, and an enterprise EHR, sought to image enable their patient records with an Enterprise Imaging platform that included Cardiovascular imaging and other 'ology' specialties. The enterprise Cardiovascular solution was to include a single access point for Hemodynamics data, structured reporting, billing, registries, inventory management, and business/clinical analytics.

Our Methodology



Process & Outcome

Our Role

Perform a complete enterprise analysis of the current Cardiovascular data and imaging environment to design an enterprise CPACS/CVIS solution that integrates with a VNA and optimizes workflow and dataflow. Specific efforts included:

- Complete technical analysis of legacy data and Cardiovascular imaging systems to support proactive enterprise data migration and standards-based integration planning, and to evaluate enterprise and departmental workflow needs for administration, technologists, physicians, as well as the referring physician community
- Design new platform considering architecture, scalability and performance, interoperability with existing systems, and remote access and mobile capabilities
- Provide Subject Matter Expertise and Project Management support from analysis through implementation to ensure proper governance is established for project engagement, rollout, and adoption

The Result

A complete CPACS/CVIS solution was designed and deployed that seamlessly integrated with the enterprise VNA, image enabled the EHR for Cardiovascular imaging, and provided automated billing, analytics, and reporting. Detailed achievements include:

- Established enterprise standards for structured reporting, image retention/access, billing, and registry compliance while maintaining the department level uniqueness.
- Designed future-state department and enterprise clinical workflow to meet site-specific and department-specific needs.

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