Common Platform Development for Diagnostic Imaging Modalities

The client is a large high-end medical diagnostic equipment manufacturer and solutions provider for a wide range of clinical specialities. QuEST has engineered a software platform that enables services across imaging modalities. The platform eases the development of modality specific applications for developers and supports various imaging modalities, such as X-Ray, Ultrasound, MRI, CT and Nuclear Imaging.

Common Platform Solution
Business need

- Develop a software platform that provides a set of common services that are applicable for various imaging modalities
- Simplify and accelerate the development of various imaging modality specific applications
- A robust platform that improves the performance of existing imaging applications across modalities

QuEST solution

- QuEST collaborated with the client’s imaging diagnostics team to engineer a software platform that provides a common layer of services supporting multiple imaging modalities.
- Key services include:
  - Patient management services
  - Order management services
  - Imaging services
  - Storage services
  - Printing services
  - DB management services
  - HIPAA services
  - Common services
  - Utility services

Business impact

- Faster time-to-market
- Reduced enhancement/maintenance cost
- Robust design for supporting multiple modalities
- DICOM based design to support easy integration with application from other vendors
- The platform supports integration with modality specific systems and modalities, such as X-Ray, Ultrasound, MRI, CT and Nuclear Imaging.

About QuEST

QuEST Global is a focused global engineering solutions provider with a proven track record of 20 years serving the product development & production engineering needs of high technology companies in the Aero Engines, Aerospace & Defence, Hi-Tech & Industrial, Medical Devices, Oil & Gas, Power, and Transportation industries. The company offers mechanical, electrical, electronics, embedded, engineering software, engineering analytics, manufacturing engineering and supply chain transformative solutions across the complete engineering lifecycle.