

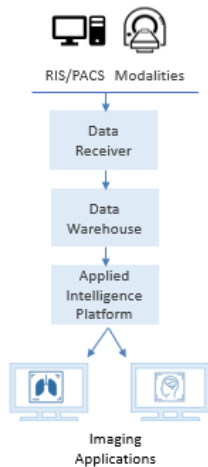
Case Study: DWH work for Imaging App. and Radiation Dose

Client Requirements

Client is a leading healthcare imaging device and solution manufacturer. Client is an innovation leader in medical imaging. They wanted to enhance - Imaging platform by adding new features, improvements and providing solutions, and implementing bug fixes.

This platform is used by various radiology centers in Europe to gather comprehensive, actionable insights across medical imaging modalities across multiple vendors.

CitiusTech was chosen given its expertise in medical imaging and proven record of successful engagements with the client.



Solution Schematic

CitiusTech Services:

The project deals with radiation data, RIS Data & CSV (metadata files) extracting into a Data Warehouse. Using ETL framework, extracted data was consolidated from different modalities & loaded into DWH. BI layer which is in Sisense runs on top of the DWH displaying different dashboards/widgets for the modality data in the DWH referred to as Applied Intelligence

Activities performed:

- Product maintenance & enhancements
- ETL and Sisense code (BI layer) development
- Extraction & analysis of radiation & contrast data from the radiation database, transform it as per business rules & load into DWH.
- Release Management, Bug tracking & fixes
- QA, Automation Process, Documentation

Value Delivered:

- Provided comprehensive & actionable data ensuring low-dosage strategies
- Optimization of operational efficiency of Radiology Centers by generating critical insights
- Demonstrated ability to quickly understand client systems & provide reliable bug fixes & release Mgmt.