

# Treatment Planning as a Service

Our vision is to inspire new possibilities for the health ecosystem with technology and human ingenuity. At CitiusTech, we constantly strive to solve the industry's greatest challenges with technology, creativity, and agility. Together with the world's leading Healthcare and Lifesciences organizations and our partners, we aim to accelerate the transition to a human-first, sustainable, and digital healthcare ecosystem.

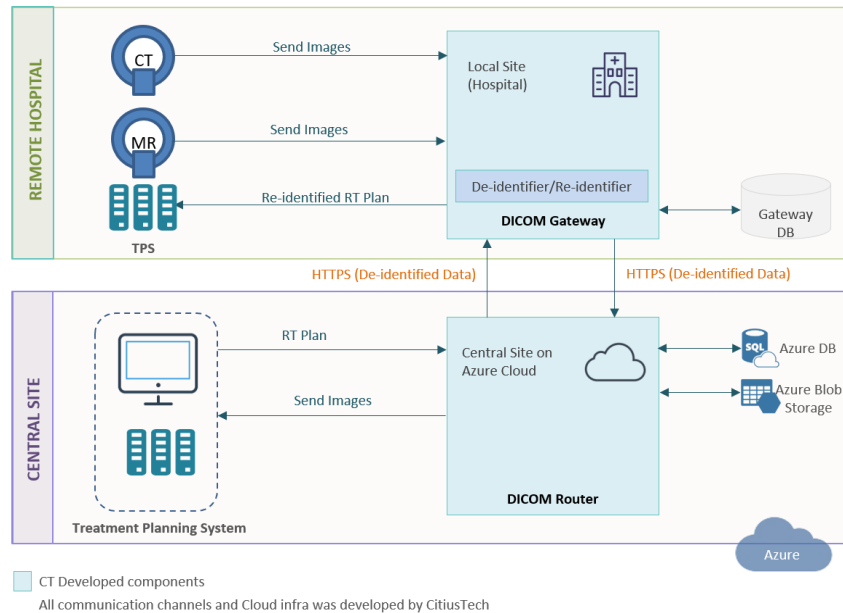
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## Client Requirements

- Client is a leading provider of oncology treatment devices and software and holds an OIS set up at various radiation oncology clinics.
- To lower infrastructure / staffing costs at local clinics, a Centralized Treatment Planning System and an automated workflow was needed, thereby offering Treatment Planning as a Service.
- CitiusTech was selected to design the architecture and build a Centralized Treatment Planning solution.

## Solution Schematic



## CitiusTech Solution

CitiusTech worked on the conceptualization and developed:

- Designed the architecture and UX design of Centralized Treatment Planning System
- Built de-identifier / re-identifier module to mask / unmask DICOM PHI data to ensure no PHI data is exchanged between remote hospital sites and centralized system
- Designed Azure cloud infrastructure for centralized system deployment
- Orchestrated CI/CD pipeline for deploying services on Azure app and cloud service
- Integrated the client's billing systems and AI applications

## Value Delivered:

- Leveraged CitiusTech's expertise in UX design, Azure cloud, DICOM, and oncology domain for accelerated development
- Detailed product requirement documentation, product UX design and enhanced user experience
- Delivered highly available solution covering the security aspects of data in transit as well as at rest