



CASE STUDY

Leader and Innovator in Life Science Research and Clinical Diagnostics Market Trusts HTI's Advanced Data Analytics Platform to Manage their Data and Derive Meaningful Insights

The Client

Our client is a global leader in developing, manufacturing, and marketing a broad range of innovative products for the life science research and clinical diagnostic markets. They are dedicated to supply high performance research tools for healthcare industry to achieve breakthrough discoveries across geographies.

The Challenge

Data being valuable for our client, the major challenge faced was their data being in proprietary format, it was extremely difficult to perform the following:

- Data Aggregation & Ingestion
- Metadata Extraction
- Data Cleaning & Standardization
- Creation of a Data Catalog

The Need

Along with the above challenges, our client needed:

- To create an organization-wide data lake for proprietary (digital assays) datasets, but

was unable to do so with above challenges

- To ingest large quantities of pre-processed and processed files and be able to extract meaningful metadata from them
- Ability to drive improvement across devices and apply advanced analytics products to obtain meaningful insights from metadata and datasets

Why Healthcare Triangle, Inc. (HTI)

HTI has been engaged with this client in several other cloud initiatives where HTI was instrumental in establishing cloud best practices across the organization. HTI also demonstrated advanced competency in building and managing cloud infrastructure and data analytics for their advanced analytics products.

The Solution

HTI designed and developed a Data Analytics Platform, deployed through automation, with the ability to ingest proprietary datasets, standardize and cleanse them,

identify and extract metadata, and then store them in a data warehouse for advanced insights generation. The capabilities of this advanced Data Analytics Platform include:

- Secure computing infrastructure (containers for ingestion & standardization, searchable and query-able metadata UI)
- Secure access to cleansed, validated, linked, annotated, enhanced, and transformed data with ready insights

Benefits

The following were the benefits realized by our client:

- Ability to successfully ingest pre-processed and post processed files and create an organization-wide data lake with a comprehensive data catalog
- Datasets were aggregated across several proprietary filetypes
- Developed single UI enabled them to query and locate datasets
- Data warehouse was capable for querying the entire dataset

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Healthcare Triangle, Inc.™ (HTI) reinforces healthcare progress through breakthrough technology and extensive industry know-how. We support healthcare providers and payors, hospitals and Pharma/Life Sciences organizations in their effort to improve health outcomes by enabling the adoption of new technologies, data enlightenment, business agility and accelerate responding to immediate business needs and competitive threats. The highly regulated healthcare and life sciences industries turn to HTI for our expertise in digital transformation on the cloud, security and compliance, data lifecycle management, healthcare interoperability, clinical and business performance optimization. Our headquarters is located in Pleasanton, California and we have employees throughout the US.

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