CASE STUDY

Migration of Energy Components Tool to AWS Cloud via EC-as-a-Service (ECAAS) Project for an O&G Major

Client

The client is an American multinational energy corporation predominantly active in oil and gas. The second-largest direct descendant of Standard Oil, originally known as the Standard Oil Company of California, is headquartered in San Ramon, California, and is active in more than 180 countries. The client is vertically involved in hydrocarbon exploration, production, refining, marketing and transport, chemical manufacturing and sales, and power generation within oil and gas.

Challenges

Heavily customized and integrated

Multiple interfaces with different technologies

LTIMindtree Solution

LTIMindtree, collaborating with the product vendor, migrated the Energy Components Application to Cloud. Energy Components is an integrated, end-to-end hydrocarbon management platform. It consists of Production, Transport, Sales and revenue module.

- Successfully migrated three energy component instances from on-prem to Quorum AWS Cloud environment.

- Upgraded software version from v12.1 to v12.2.

- Implemented interfaces with OSI PI (on-prem) using PI Web API and other Chevron PaaS solutions using Azure Direct Connect.

- Enabled XML message file transfer by mounting Azure storage path on the AWS network drive for dropping XML.

Business Benefits

Standardized, digitized, and upgraded internal/external integration using APIs.

Established connectivity via AWS Direct Connect and multi-factor authentication.

Moved the hosting locations closer to BU's location and offered business continuity to avoid latency issues.