

Case Study

Digital Transformation of Petro-Technical Legacy data for O&G Major



A Larsen & Toubro Group Company

Client

The client is an Oil & Gas Major, a top 10 Fortune Global 500 organization in 2017.

Challenges

Most of the sub-surface documents are stored in a storage warehouses and take minimum 3-4 months to obtain them. The client was looking for new digital technology to extract the meaningful data from legacy Paper documents and make it readily available to the business users for interpretation & decision making.

LTI Solution

LTI's scope of work includes scanning, indexing, advance processing and quality check of 50K GGRE physical documents. Teams are setup in form of special factories (Seismic, Log & Map factory) to handle each data type.

Scanning & Digitization

Proprietary hardware and software is used for restoring aging hard copy paper documents to a digital format.

Automated Metadata Capture

Designed complex algorithms, with a set of smart tools likes OCR, RPA, ML & BOT, using Mosaic Digital Platform to capture existing catalogue and index information with minimum efforts and highest accuracy.

Advance processing

Ocean plugin converts scanned seismic image into digital format and attaches it to respective navigation data in SEGY format, which can be further analysed using Petrel. Well Logs are depth-registered and Maps are geo-referenced, and can be directly used in GGRE applications.

Business Benefits Delivered



LTI (NSE: LTI, BSE: 540005) is a global technology consulting and digital solutions Company helping more than 350 clients succeed in a converging world. With operations in 30 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivaled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 28,000 LTItes enable our clients to improve the effectiveness of their business and technology operations, and deliver value to their customers, employees and shareholders. Find more at www.Lntinfotech.com or follow us at @LTI_Global



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