Case Study

Digital Transformation of Petrol-Technical Legacy Data for O&G Major
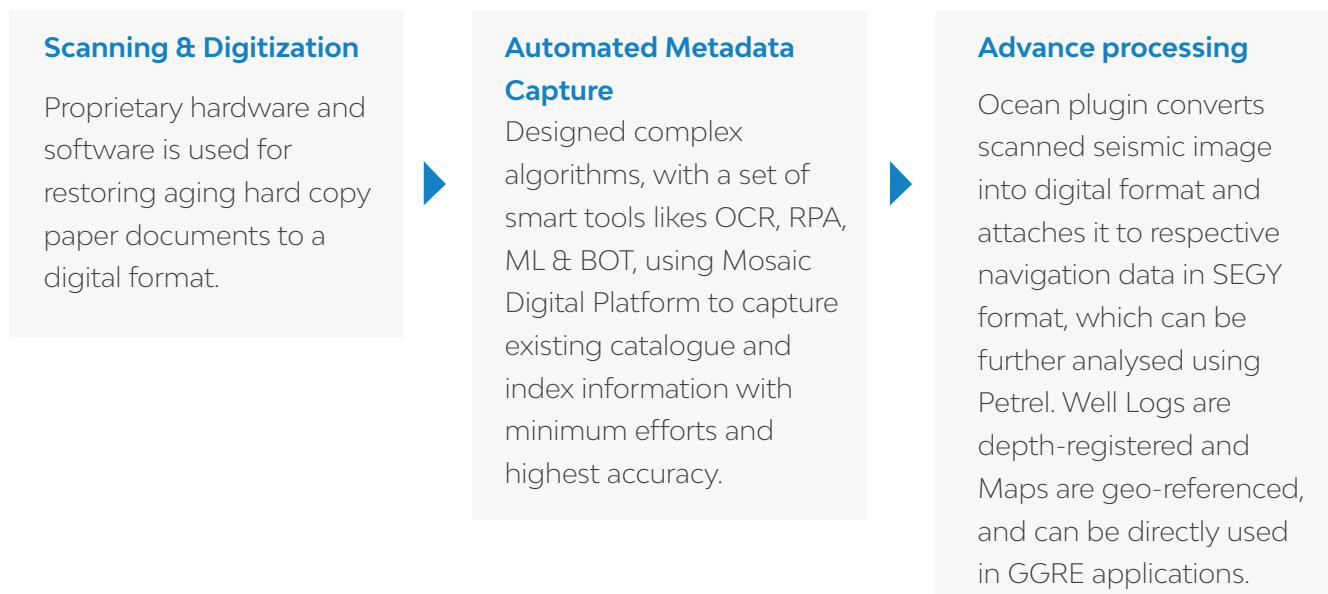
Client

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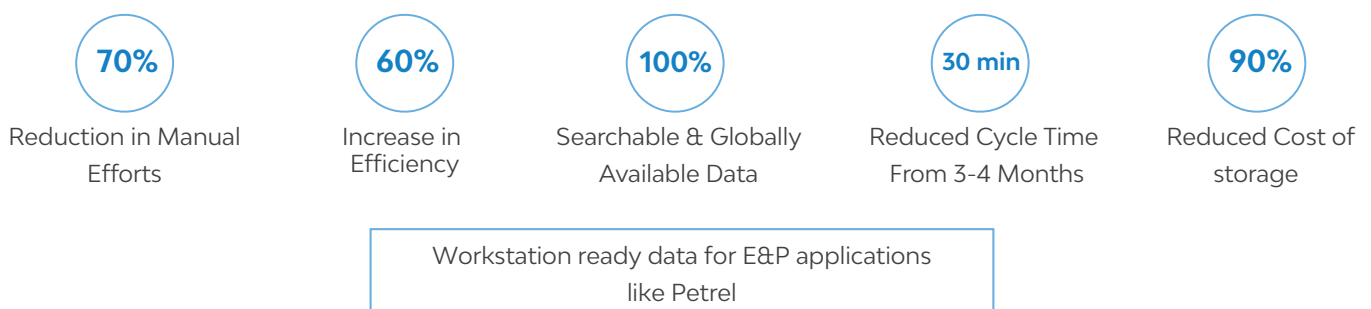
Challenges

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.

LTIMindtree Solution

LTIMindtree'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 like 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

70%
Reduction in Manual Efforts

60%
Increase in Efficiency

100%
Searchable & Globally Available Data

30 min
Reduced Cycle Time From 3-4 Months

90%
Reduced Cost of storage

Workstation ready data for E&P applications like Petrel