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 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

- **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