

# Information Management



**Our ISO certified E&P Information Management services are based on holistic and mature service delivery model supported by expert onsite consultancy and offshore data management services**



# LMKR

**For over a decade, we have been providing ISO-certified information management solutions to a diverse mix of petroleum conglomerates.**

**A**t LMKR, we believe in creating an information environment that is both transparent and auditable and gives our customers greater confidence in their business decisions.

Our ability to transform and integrate data from multiple vendors to commonly used formats for processing and storage is widely known in the upstream oil & gas industry. It is at the core of our information management service delivery model to work with your asset teams and IT departments and streamline information at an operational as well as business level. By doing so, we want to ensure that you have faster, more effective access to business critical information across the board.

# Information Management

- Physical Data Management
- Digital Data Management
- Corporate Data Management
- Project Data Management
- Data Repositories

# Physical Data Management

Our vendor neutral, cost effective physical data management services enable E&P companies to make informed decisions with real-time access to corrected, verified and quality controlled data. We assist E&P companies to address the more frequent operational challenges effectively so that they can focus their energy on the more important aspects of their business - data processing and interpretation.

Our physical data management service offerings include:

- Consulting Services
  - Site Assessments
  - Data Management Processes, Procedures & Workflows
  - Data sorting, indexing and cataloging
- Data Warehousing

## Consulting Services

### Site Assessments

Specialized site assessment is a key component of our physical data management service offering as it gives our consultants a functional snapshot of your E&P operations and enables them to translate your unique data management requirements into best-fit technology infrastructure.

## Data Management Processes, Procedures & Workflows

Streamlining your information management processes, procedures and workflows enables you to organize your data efficiently and accurately. Our assessment of your existing processes, procedures & workflows is based on a thorough technical and business process analysis which when implemented results in increased data integrity, optimum technology utilization, customized workflow and business process implementation.

## Data sorting, indexing and cataloging

Our deep domain knowledge of the upstream oil & gas sector supported by an in depth understanding of data types, the difference between these and how one data type relates to another enables us to index, catalogue and archive your information assets effectively.

## Data Warehousing

Your E&P information is by far your most important investment. Whether stored at your own premises or a remote location, you want to be in a position from where you can extract insight from virtually any type of data and deliver the right information at the right time to enable your asset team to make informed decisions.

# Digital Data Management

Keep up with the challenges of an upstream oil & gas environment that is constantly driven by information and processes through digitization of your core E&P information for an integrated and consistent view of your data across applications, platforms and business functions. Share your E&P information across the enterprise without worrying about data duplication.

At LMKR, we understand the integrity of your data and the impact of it on your business. It is our objective to ensure that your data remains current and provides you with the information that you need, when you need it for making informed business critical decisions.

Our digital data management service offerings include:

- Well Data Management
- Data Transcription & Remastering Services
  - Media Conversion/Data Duplication
  - Data Reformatting
  - Data Quality Assurance (QA) and Quality Checking (QC)
  - Data Recovery
  - Document Management
  - Data storage
- Seismic Scanning & Vectorization
- Document Management

## Well Data Management

Our well log digitization services include both manual as well as automated processing methods that enable us to provide you with a standardized digital output of your log data.

In addition to standard western-style logs, our log data digitization experts can also convert a varied variety of hardcopy presentations including mud logs, dip meter tadpole plots, non-standard international logs and grids into standardized digital output.

## Data Transcription & Remastering Services

Rapid innovation in the technology used for managing E&P data has left many companies wondering how they can leverage the true potential of their legacy information within the scope of today's data management systems.

At LMKR, we enable you to take advantage of your legacy information by

- Converting low density medium to high density medium
- Consolidating data stored in multiple low density tapes to a single high density tape

- Migrating legacy, non-standard data to standard formats

We have successfully transcribed over 150,000 tapes and cartridges a year from known legacy to acceptable modern day formats. Quality control is an integral part of our transcription and remastering process. As a matter of standard, while transcribing or remastering your legacy data; our team of experienced QC experts always report and investigate inconsistencies.

Our data transcription and remastering service offerings include:

- Data Recovery
- Media Conversion/Data Duplication
- Data Quality Assurance (QA) and Quality Checking (QC)
- Data Reformatting
- Data storage

## Seismic Scanning & Vectorization

Let our seismic scanning & vectorization experts digitize and convert your hard copy, vintage seismic sections into SEG-Y format files. We will not only ensure long term preservation of your legacy data but also provide you with the ability for further workstation processing and interpretation.

## Document Management

Effective storage and retrieval of your E&P information has a direct impact on business critical decisions. Most organizations already capture, store and retrieve their E&P

information on a daily basis. However, the process of doing so often turns out to be time consuming and cumbersome.

With our document management services, our customers enjoy a range of professional document management capabilities that include scanning, cataloguing and archiving E&P documents in a file format and media of your choice.

# Corporate Data Management

---

**Our vendor-neutral corporate data management services enable E&P companies to manage risk, maximize shareholder value, address key corporate obligations and make informed business critical decisions with information that is both reliable and secure. With an emphasis on data life cycle preservation and minimizing loss of information across the enterprise, we also facilitate our customers in preventing data duplication and redundancy without compromising security.**

Our corporate data management service offerings include:

- **Recommendation on technical specifications for a technology infrastructure that meets your requirements**
- **End-to-end implementation of a corporate database of your choice including data loading and quality control of your E&P information**
- **Extensive hands-on training on system usage and data distribution processes within the scope of your data management infrastructure**
- **System and domain support to identify and troubleshoot problems related to your data management infrastructure**

# Project Data Management

Our vendor neutral, onsite or remote project data management services enable us to assist E&P companies in optimizing their data management processes so that they can concentrate on what they do best; hydrocarbon discovery. To ensure that you are provided with a well-managed and efficient data management environment, our service delivery approach incorporates data migration, conversion, consolidation and distribution into a highly scalable workflow. Depending on your requirements, we can either implement the entire workflow for you or customize it to satisfy an urgent need. Our project data management service offerings include:

- Data Migration Services
- Data Loading, Validation, Consolidation & Distribution Services

## Data Migration Services

Regardless of the reason behind your decision to upgrade your existing database management system, the most important consideration while doing so is to ensure that it either accepts your data in its current format or that your data is translated to a format that complies with the new database management system. Our approach towards

data migration is not only limited to reformatting your data, we also ensure that your data is quality controlled once it has been loaded into the new system. With prior experience in migrating E&P data for national oil companies, international oil companies and services companies, we can migrate following data types between multiple data sources from a diverse range of vendors:

- Seismic 2D & 3D
  - SEG Y 2D & 3D data
  - Navigation data
- Interpretation data
  - Horizon
  - Grid
  - Fault
  - Fault polygon &
  - Velocity data
- Well data
- Well Header
  - Picks data
  - Deviation data
  - Position log
  - Synthetic Seismogram
  - Time depth table &
  - Log curve data



## **Data Loading Validation**

## **Consolidation & Distribution**

## **Services**

Due to its sheer volume and complexity, collecting E&P data is a complicated practice that requires extensive knowledge about multiple data sources as well as processes applied to transform and load data into a target information management system. Our approach towards loading, validating, consolidating and distributing E&P data is based on the Extract, transform and load process. Supported by a pool of highly skilled domain experts with years of experience on multi-vendor data management solutions, LMKR facilitates you in ensuring that your E&P data caters to your business objectives by enabling you to make informed business critical decisions.

# Data Repositories

Turbulent markets, fluctuating commodity prices as well as technological and political influences add to the volatility and risk in the oil and gas exploration and production business. Securing investment in a country's petroleum industry demands for government agencies to add value to its E&P data by making it available on demand, globally. To do so, one of the most important steps is to effectively catalogue and manage E&P information from both past as well as present exploration and production initiatives.

Extensive industry experience and demonstrated partnerships with governments and operators makes LMKR a vendor of choice when it comes to setting up and maintaining E&P data repositories at a corporate, national or regional level.

Through our expanded set of services, we offer data gathering, organization, storage and retrieval as well as data distribution services.

In addition to engineering usable platforms that facilitate promotion of petroleum investments at a national or international level, we also offer transfer of technology programs including in-depth and hands-on training services for managing data repositories.

## Block Evaluation & Promotion Services

As part of our license round management and promotion services, we facilitate E&P operators in conducting risk analysis for exploration acreage through comprehensive online or onsite data reviews, in collaboration with government agencies.

We assist government agencies in developing and managing websites for block promotion and evaluation. Information on such forums is disseminated through technical papers with extensive statistics on data packaging and interpretation supported by interactive maps. Additionally, we also arrange national or international road shows for government agencies for effective promotion of their licensing rounds.

## Petroleum Information Service

Designed by LMKR, Petroleum Information Service is an E&P scouting portal that provides periodic updates on geological and geophysical activities, drilling initiatives, and production statistics. Currently, the portal caters to the E&P industry in Pakistan. However, due to its highly scalable design, it can be customized to be used as a scouting service for the upstream hydrocarbon industry of any country around the globe.

## Contact

### **APAC - Asia Pacific & Australian Continent**

#### Malaysia

##### **LMKR Asia SDN.BHD.**

17-11 G-Tower, 199 Jalan Tun Razak, 50400  
Kuala Lumpur, Malaysia  
Phone: +603.2300.8700  
Email: apacsales@lmkr.com

### **EMEA - Europe, Middle East & Africa**

#### United Arab Emirates

##### **LMKR Corporate Headquarters**

16th Floor, The H Office Tower, One Sheikh Zayed  
Road, Dubai, U.A.E. P.O. Box 62163  
Phone: +971.4.3727.900  
Email: eurorussiasales@lmkr.com,  
measales@lmkr.com

#### Mauritius

##### **LMKR Holdings**

c/o Anex Management Services Ltd.  
Ebène Tower, 52 Cybercity, Ebène, Mauritius  
Phone: +230.467.3003

### **NSAM - North & South America**

#### United States – Houston

##### **LMK Resources Inc.**

6051 North Course Drive, Suite 300  
Houston TX 77072  
Phone: +1.281.495.5657  
Email: ussales@lmkr.com

#### United States – Denver

##### **LMK Resources Inc.**

Denver Place, South Terrace  
999 18th Street, Suite 650  
Denver, CO 80202 USA  
Phone: +1.303.996.2150  
Email: ussales@lmkr.com

#### Canada

##### **LMKR Canada Inc.**

Le Germain Office Tower, 110-9th Avenue SW,  
Suite 440 Calgary AB T2P 0T1, Canada  
Phone: +1.403.237.LMKR  
Email: canadasales@lmkr.com

#### Trinidad & Tobago

##### **Trinidad LMKR Ltd.**

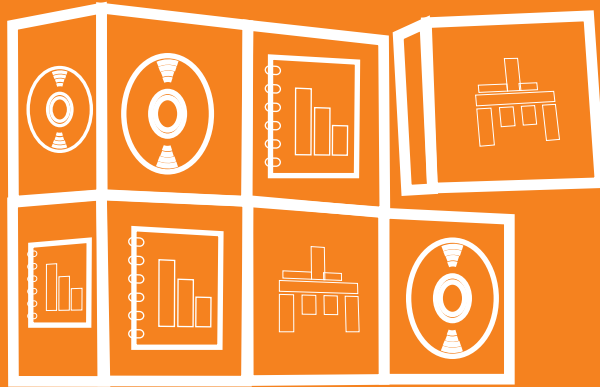
# 9 Warner Street, Newtown, Port-Of-Spain,  
Trinidad and Tobago  
Phone: +1.868.627.3550 +1.868.627.4211

### **SWAC - Southwest Asian countries**

#### Pakistan

##### **LMK Resources Pakistan (Private) Limited**

9th Floor, No 55-C, PTET/Ufone Tower, Jinnah  
Avenue,  
Islamabad, Pakistan  
Postal Code 44000  
Phone: +92.51.111.101.101  
Email: swacsales@lmkr.com



[lmkr.com/information-management/](http://lmkr.com/information-management/)

Founded in 1994, LMKR is a petroleum technology company with an extensive solutions portfolio that includes reservoir-centric interpretation, modeling and analytics software, mobile technology solutions, E&P data services as well as geoscience and information management consulting solutions - all focused towards lowering the risk associated with exploration and production of conventional and unconventional resource plays.