

# EMC2 DOCUMENTUM ENTERPRISE DOCUMENT MANAGEMENT SYSTEM IN AGIP KCO

Supported by Square Reply, Agip KCO is developing Phase 2 of the EDMS Project: functional completion; integration with other corporate systems; performance improvement.

## CONTEXT

Agip KCO, a subsidiary of Eni, performs operations under the North Caspian Sea Production Sharing Agreement (PSA) of 1997, under an agency agreement with the operator, the North Caspian Operating Company (NCOC).

Agip KCO is responsible for the execution of Phase I (the Experimental Program) of the Kashagan offshore oil field development, including achieving first commercial production while complying with the strictest international standards for safety and environmental responsibility.

In addition, Agip KCO is responsible for the project execution of the onshore facilities of Phase II of the Kashagan development.

NCOC acts on behalf of seven co-venture consortium partners as the operator appraising and developing the hydrocarbon assets of 11 offshore blocks defined under the PSA.

Apart from Kashagan, assets within the 5 600 km<sup>2</sup> PSA area include the Kalamkas, Aktote and Kairan fields.

Approximate equity interests of the consortium partners are: KMG 16.81%, Eni 16.81%, ExxonMobil 16.81%, Shell 16.81%, Total 16.81%, ConocoPhillips 8.40%, INPEX 7.56%.

The Kashagan field, 80 km south-east of Atyrau city in Atyrau Oblast, is the first large-scale offshore petroleum development in Kazakhstan. It is the largest oil field discovered in the North Caspian Sea PSA contract area.

The Kashagan field extends over a surface of approximately 75 km x 45 km and is considered one of the most important oil field finds worldwide in the past 40 years.

The reservoir lies some 4 000-4 500 m below the seabed and is around 350 million years old. It presents a unique combination of high pressure (some 800 bar) and high sour gas (H<sub>2</sub>S + CO<sub>2</sub>) content of around 16-20%.

Operations take place in an environmentally sensitive region under harsh climatic conditions, with temperatures ranging between +40°C in summer and -40°C in winter when the North Caspian Sea is frozen for some 4-5 months.

One of the largest and most challenging upstream projects in the world, Kashagan's development represents a complex combination of coordinated offshore and onshore activities, including survey, construction and commissioning, drilling, logistics, development and production.

Agip KCO coordinates suppliers from 50 different countries, with offices, plants and research centers in Kazakhstan, Europe and USA.

Business processes demand the collection and sharing of information and documents in a single secure, effective and always-on system. In 2006, Agip KCO chose EDMS (Electronic Document Management System) based on Documentum technology.

## SOLUTION

Phase 1 of the EDMS project, completed with the support of EMC2 Documentum professional services, led to the base application infrastructure setup of EDMS.

For Phase 2, with its greater complexity and duration, Agip KCO issued an international tender in 2007, which Reply won in 2008 after it demonstrated the required technical and methodological skills.

Phase 2 Scope of work:

- Implementation of new application modules to better support business processes, in particular regarding:
  - Collaboration with suppliers (Transmittal module)
  - EDMS vertical solution for business departments
- EDMS integration with other corporate systems (SAP; SharePoint; GIS; SIGEP)
- Performance improvement
- Deployment and change management support

During the first year of Phase 2, Square Reply has organized an international team with a presence in Milan, Turin, London and Atyrau; and has activated a number of project streams:

- New features
  - Business requirements analysis
  - Design and implementation of new application modules
- Integration
  - Definition of a new Integration Strategy
  - Design and implementation of EDMS integrations
- EDMS Architecture
  - System components update
  - New UNIX-based architecture design
  - Documentum release, update planning and testing
- System administration – ICT Operations support in EDMS management
- Change management – support in user management
  - Troubleshooting
  - User training

Activities, organized into a number of projects, have been completed within the budget and timeline agreed with Agip KCO.

## REPLY VALUE

In project planning and execution, Square Reply has been able to rapidly and flexibly deploy, on the one hand, the very strong technical skills on the EMC2 Documentum platform and, on the other hand, the System Integration and Business Management skills from Reply group.

Reply's technical skills, professionalism and partnership support Agip KCO both in Italy and abroad, and integrate Documentum technology with add-ons including Kapow Technologies and Wingspan Technologies.



Square Reply, a Reply group company, is present in the ICT market as a partner in design and implementation of solutions based on EMC2 technologies, with particular focus on Content Management and Archiving, Security, Resource Management & Virtualization.

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