

Integrating SAP with Documentum

Case Study

Background

Our client is one of the leading oil companies in the world. The group's Exploration and Production of oil and gas activities are located in about forty countries. At the end of 1999, their hydrocarbon reserves were estimated at 10.5 billion barrels of oil equivalent, representing nearly 14 years of production at the current rate of 2.1 million barrels per day.

The group has delivered rapid growth in terms of both production and new reserves additions, and with the client's participation in major projects with low technical costs - particularly on some very promising deep-offshore permits - the stage is set for further steady growth.

The Group's asset portfolio is well balanced between the OECD zone and emerging countries. The three main production zones are the North Sea, Africa and the Middle East, with remaining output shared between the Americas and Southeast Asia.

Our client is an extensive user of software from both SAP and Documentum..



multiphase pumping module,
Dunbar, North Sea

Business Requirements

Who has not looked on with wonder at pictures of the colossal drilling platforms far out in the North Sea ? This must be one of the most dangerous and inhospitable working environments and with the end product in such demand; the boundaries of what is possible are continually being expanded.

Oil exploration and production is a difficult and demanding business. The industry is highly regulated and as such is ideally suited to the business processes and controls that can be enforced using an Enterprise Resource Planning (ERP) system from SAP. Using the Plant Maintenance (PM) module, SAP is able to manage the maintenance schedules required to keep operative the hundreds of pumps, valves and other components that comprise a drilling platform.

The PM module can automatically produce work instructions that detail the exact location of equipment, the work required and the safety precautions that must be followed. But when the engineers step onto the helicopter to fly out to the platform they also need the correct specifications and drawings in order to complete the work instruction.

Arriving on site with the wrong documentation could prove a costly mistake. If maintenance is not performed it may result in production of the rig being shut down, or many lives being put at risk.

The Project Approach

Through the use of the Documentum eConnector for SAP an engineer can be sure that when they receive a work instruction it is linked with the latest versions of the drawings and specifications that they will require. These can be downloaded at the click of a button and will provide the necessary information to get the job done.

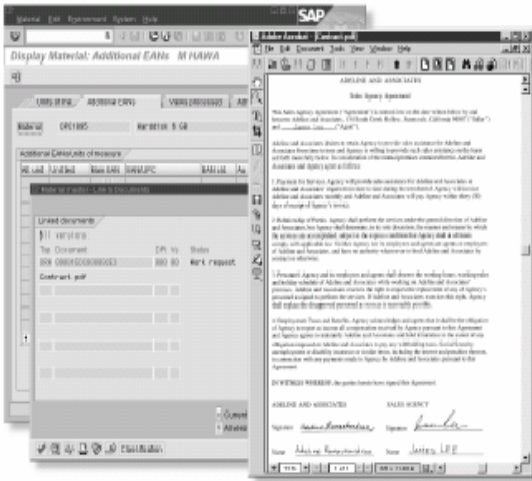
Chapter26 was engaged to plan and execute the work required to install, configure and test the eConnector for SAP making sure that this functionality was transitioned smoothly into the production environment.

The Solution Overview

At the start of the project our client was engaged in an SAP upgrade to version 4.6C, whilst simultaneously replacing the functionality from two non SAP plant maintenance systems into the SAP plant maintenance module.

They had already recognised the advantages of linking Documentum with their old plant maintenance systems and had built bespoke interfaces into the two non SAP systems. Chapter26 successfully completed the installation and configuration of the eConnector for SAP so that the new SAP system and the Documentum system were able to link content.

The replacement of the two non SAP plant maintenance systems meant that they were around five hundred thousand Documentum objects that were no longer linked to the appropriate technical objects within SAP. Chapter26 designed and constructed some custom SAP ABAP scripts to re-establish the links in order that the new SAP plant maintenance module could move into production.



Documentum eConnector for SAP provides SAP users with instant access to Documentum-controlled digital assets such as contracts, engineering drawings, standard operating procedures, and material specifications.

Summary

The combined SAP / Documentum system is now in production and working in an automatic manner, so that links are automatically established between the two systems.

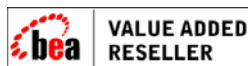
For our client the eConnector for SAP work undertaken by **Chapter26** has delivered the following tangible business benefits :-

- The provision of an integrated system that fully supports the end to end business process
- Ensure regulatory compliance for plant maintenance schedules

Provide confidence that, in a highly dynamic environment, the latest versions of drawings and specifications are always available

About Chapter26

Chapter26 is a Specialist Solutions Provider which design, implement & integrate collaborative business environments through the secure management of content. Chapter26 is BEA Value Added Reseller, EMC Documentum Select Service Team, Microsoft, VMWare, Kofax & Sealed Media Partner.



Information Worker Solutions

