

SUCCESSSTORY

Integrated Document Management, Collection and Distribution *Sercel*



SEAL SYSTEMS
THE DIGITAL PAPER FACTORY



Sercel Headquarters

Sercel is a subsidiary of the CGG group, the worldwide leader in the design and manufacturing of solutions for the seismic acquisition industry for oil and gas companies. They have more than 2300 employees and more than 20 locations around the globe. The main turnover is done abroad.

The company Sercel provides seismic acquisition solutions for hydrocarbon exploration to allow oil and gas companies to better define their hydrocarbon reservoir. This equipment is a concentration of different technologies and is essential in extreme environments (desert, arctic, underwater...).

The equipment that is designed and produced by Sercel is the results of passionate employees and innovative ideas. The main R&D center and headquarters of Sercel is located in Nantes, France.

The Project: Context, Goals and Challenges

Sercel, known worldwide for its ability to innovate, opted for SAP PLM. The company is also optimizing its processes with interfacing SAP with CAD system and the implementation of integrated solutions from SEAL Systems for document conversion and distribution.

Sercel Engineers are recognized for their ability to develop new technologies. Documents are at the heart of activities related to the management of their projects, therefore, Sercel has opted to use the module SAP DMS (Document Management System) for the management of technical documents that are re-used in the SAP processes.

To simplify and automate the exchange of data and information between the CAD and SAP solution, a CAD interface has been implemented; SAP automatically inherits the technical data, BOM information and documents from the engineering department. Sercel has also optimized and secured the management, viewing and distribution of documents managed in SAP DMS thanks to SEAL Systems solutions.

During the implementation of SAP in 2011, Sercel wished to have integrated solutions that enable seamless management of its operations, from conception until the manufacture of its geophysical equipment. „Our goal was to manage all the technical documentation associated with the life cycle of our products throughout the supply chain of Sercel. This is achieved with mySAP PLM, SAP ECC 6.0 and solutions dedicated to SAP DMS from SEAL Systems.” - *Arnaud SURPAS, Executive Vice-President Global Operations at Sercel.*

Solutions:

From CAD Integration to SAP Process Optimization

SAP DMS: SAP Integrated Document Management Module

SAP offers a standard module to manage documents directly in SAP. This module provides all the functionality of an Electronic Document Management application: Creating, editing, displaying, version control, status management, workflow management, access rights management, etc. Documents managed in SAP DMS can be linked to any SAP object type, such as articles, BOM, PRTs, equipment, functional location, etc. All original files are stored in a secure, Content Server.



Equipment from Sercel is suited for extreme environments.

CAD Integration of Pro/Engineer with SAP PLM :

To automate and simplify the transfer of information, technical data and documentation from CAD Pro/Engineer to SAP, Sercel has decided to implement the connection between SAP and Caddesktop PRO/Engineer (CAD office). This connector is based on the SAP DMS document management. The implementation was realized with the support of the company SPRING Technologies.

Solutions from SEAL Systems

Sercel has chosen certified and proven solutions from SEAL Systems to migrate, convert and distribute its SAP documents through SAP business processes:

DMS Loader

When starting the SAP DMS project, all the existing documents were mass migrated with the DMS Loader solution from SEAL Systems. This tool automates the creation of document information records (DIR), stored inside SAP DMS, and allows the migration of the original files to the SAP Content Server. DMS Loader interprets a CSV file containing Document Info Record metadata, file location, as well as links to SAP objects.

Sequenced Package Distribution for Purchase and Production orders

To increase productivity and traceability, DMS PUR and DMS PRO solutions from SEAL Systems were adopted to automatically generate sequenced shop papers for purchase and production orders. The output is the combination of the SAP forms (purchase order, bill of materials, production order) and documents managed in SAP DMS. The forms and documents are printed or published on the company Purchase Extranet. A history of all the document output is available directly in SAP.

MS Office and PRO/Engineer File Conversions

Native MS Office documents (Word and Excel files) and PRO/Engineer are **automatically converted during status change in SAP DMS** (plans into PDF and 3D files into 3D format). The DPF4Convert solution integrated with SAP performs this conversion, which is triggered by the status change. SAP metadata (document name and version) can also be added as stamps on PDF documents during the conversion. An additional function can also refresh the properties of Word files when converting documents to PDF. SEAL Systems also provides a monitoring interface for this conversion solution: SEAL Conversion Cockpit.

