

MG GROUP

EMC Documentum Capital Projects and Syncplicity integrate document management system in only 10 weeks — delivers significant improvement for world's largest PET plant



ESSENTIALS

Industry

Manufacturing & Engineering

Size

2,100 employees

Challenges

- Silo document repositories located across the world slowed access and collaboration
- Transmission of vital documents among staff could be slow and cumbersome
- Document audit and compliance was often affected by a lack of centralized track and trace

Results

- Unified solution consolidates disparate global document storage locations into a single centralized repository
- Significant improvement in document control
- Drove change in project execution
- Quick document transmittal to personnel across the world without size constraints
- Fast 10 week deployment

OVERVIEW

MG Group (Mossi Ghisolfi Group) is among the three largest producers of Polyethylene Terephthalate (PET) resin for packaging applications in the world. With manufacturing, research & development, and administrative operations spread across the US, Latin America, Asia and Europe, MG Group has a PET manufacturing capacity of 1.7 million metric tons per annum. Its plants in Suape (Brazil) and Altamira (Mexico) are the two largest single lines and take advantage of proprietary technology to be the most efficient in the world.

To reinforce its leading position and meet increasing demand, MG Group is constructing the world's largest PET production plant in Corpus Christi, Texas (USA).

BUSINESS CHALLENGES

Construction of the massive Corpus Christi plant requires global collaboration and careful management. Over ten separate engineering and procurement teams split into four sub-project areas located across the world are responsible for coordinating all aspects of EPC - engineering, procurement and construction. Thousands of documents ranging from purchase orders to complex CAD drawings must be efficiently exchanged among global team members for review, commentary, approval, and archiving. Quick access and sharing is vital to completing the project on schedule.

For effective project management, audit and compliance purposes, tracking document transmission is necessary to understand who received specific documents, when they were received, and what actions were taken.

Before the adoption of Capital Projects, MG Group used a range of semi-automated, non-standardized legacy document management systems that resulted in inefficiencies. Documents were stored in personal devices or local servers, impairing access and collaboration. Standard email combined with FTP, for global employees, was slow and cumbersome. Documents could not be quickly delivered due to large file sizes. If a document audit was required, personnel would access several repositories, a time-consuming task.

"We required an enterprise document management system that could be deployed quickly, support all aspects of the project, and manage full document lifecycles," explains Cristian Giorgi, Corporate IS Project Manager, MG Group. "We needed to unify all document storage within a single repository, standardize document management and database practices, quickly transmit even large document files worldwide for appropriate action, and track and trace all documents for reporting and compliance."

REDEFINE

CUSTOMER PROFILE

EMC²

Results

- Drives collaboration among key personnel to maximize efficiency and productivity
- Facilitates critical workflows and processes including engineering, procurement, design and build

Solutions

- EMC Documentum Capital Projects
- EMC Syncplicity
- VMware
- EMC Global Services

THE SOLUTION

Working closely with EMC Global Services, MG Group turned to EMC to deploy a fully integrated document management system in only ten weeks. Documentum Capital Projects provides a fully unified solution to manage all documents throughout their lifecycles. Quick document search and retrieval from the central data storage increases efficiency. Complete audit trails facilitate reporting and compliance requirements. All documents are stored in a virtualized environment managed by VMware to maximize storage utilization and ease of management.

Global document transmission is accelerated by Syncplicity's sync and share capabilities. Connected to Documentum Capital Projects, Syncplicity empowers MG Group employees to seamlessly deliver large document files to colleagues located around the world, on both computers and mobile devices.

"We deployed Documentum Capital Projects right out of the box. Within a very limited time we implemented the new system with the need for only a few custom requirements," Giorgi says. "Built-in functionalities gave us quick time-to-market for a robust enterprise document management system which now helps us to support the Corpus Christi project needs."

"We deployed Documentum Capital Projects right out of the box and in only 10 weeks. Documentum Capital Projects has significantly improved our document control. It would not be feasible to manage this sort of document environment without these EMC solutions."

Christian Giorgi
Corporate IS Project Manager, MGGroup

SIGNIFICANT IMPROVEMENT IN DOCUMENT CONTROL

Today, Documentum Capital Projects enables 250 MG Group personnel, working across the globe, to create, edit, and collaborate on about 100,000 documents in a wide range of formats. "Documentum Capital Projects has significantly improved our document control," Giorgi states. "We have shifted from a system using local repositories and non-standard tools to a single standardized repository that is aligned to expedite workflows vital to the management of this project."

Using Documentum Capital Projects connected with Syncplicity, collaboration among global team members has been simplified. Giorgi cites an example: A third party sub-contractor will send in a large digital CAD drawing for approval. An MG Group recipient quickly uploads the document into Documentum Capital Projects with a single step. Using Syncplicity, the CAD drawing is efficiently transmitted to a distribution list of appropriate internal staff. They then approve or reject the drawing, and make notes or amendments. Any amendments are sent back to the sub-contractor.

Document amendments and all transmissions including latest document versions, dates, documents sent, and recipient names are tracked within Documentum Capital Projects to facilitate full auditability.

"Documentum Capital Projects with Syncplicity provides a tool that enables team members to accurately expedite key engineering, procurement, and construction workflows," Giorgi explains. "It would not be feasible to manage this sort of document environment without these EMC solutions."

SPEEDING DOCUMENT AUDITS

With Documentum Capital Projects and Syncplicity, MG Group can now easily audit all documents, and their transmissions, for management reporting and compliance. Single source tracking and tracing enables personnel to quickly

Company Overview

[MG Group](#) (Mossi Ghisolfi Group) is controlled by M&G Finanziaria, which is owned by the Ghisolfi family. The group's activities are sub-divided into the following businesses:

- **PET, its raw materials, and engineering relating to plants for these products:** M&G Chemicals operate in the Americas and Asia, including Chemtex. Chemtex specializes in the design and construction of plants for the production of chemical compounds.
- **Biofuels, chemical products derived from non-food biomass and engineering relating to these plants:** Operated by Biochemtex, Beta Renewables, Biochemtex Agro and IBP. The operations for renewables are carried out for the most part in Italy.
- **Polyester fibre:** Operates exclusively in Brazil.
- **Polimeri Italia:** European PET resin production, including production of biodegradable polymers produced in Italy.

search for documents across key parameters including relevant departments, workflows, vendors, dates, and document types.

"Due to the architecture of Documentum Capital Projects, we can effectively search for and find key documents relating to specific aspects of the project," Giorgi says. "This capability enables us to track project events, meet compliance and governance, and reduces risk. Without this solution, detailed audits of this nature would take a great deal of precious time to process."

BEST IN CLASS SOLUTION

Due to the results achieved with Documentum Capital Projects and Syncplicity, Giorgi is now evaluating how these solutions can be adopted throughout the company, such as with their ERP systems. He is also working side-by-side with EMC to extract the greatest value from the solutions.

"Documentum Capital Projects and Syncplicity provide us a best-in-class document management system that is significantly contributing to the Corpus Christi build and has changed the way we work for the better," Giorgi says. "By continuously collaborating with EMC, we are doing our best to approach and work within the project's complexity."

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