



SWORD

UPGRADE YOUR BUSINESS

Collaboration Workspace

ODEBRECHT

Customer Details

Odebrecht Group
www.odebrecht.com

Industry

Engineering and Construction

Challenges

- Complex, \$640 million hydroelectric power station project
- Strict management of deadlines essential to avoiding delay penalties
- More than 2,000 documents per month had to be shared, stored and managed
- Effective and efficient communication with more than 200 project professionals from dozens of organizations was critical
- Project teams needed fast and reliable access to multiple files types

Odebrecht Group

Collaboration Workspace enables Odebrecht to Complete \$640 Million Project Six Months Ahead of Schedule

Background

For more than 60 years, the Odebrecht Group has been a leading global player in the construction of large-scale projects - including buildings, dams, thermoelectric plants, hydroelectric plants, nuclear and petrochemical complexes, refineries, resorts, subways, highways, railroads, bridges, airports and irrigation systems. The company has nearly 200 subsidiaries and affiliates in 14 countries, and has been named one of the world's largest international contractors by Engineering News Record.

The Challenge

Recently, Tractebel, one of the world's largest independent power producers, contracted Odebrecht to build a new 450 MW, \$640 million hydroelectric power station in Brazil's Tocantins Basin. To manage and build the project, a consortium of four companies was created: two Brazilian construction companies, Odebrecht and Andrade Gutierrez, and two German companies, Voith and Siemens. Odebrecht was the lead builder on the project while Voith and Siemens provided the equipment and equipment assembly.

The three-year project required the coordination of more than 200 project professionals from various organizations around the globe. More than 2,000 documents per month - including e-mails, drawings, schedules, reports, notes, contracts and legal documents - had to be shared, stored and managed. To avoid contract penalties related to work delays, strict management of deadlines was required.

It was also necessary to ensure a smooth transition among all of the technologies used by all of the different companies involved in the project. Specifically, the project required access to data created by multiple software tools, including AutoCAD, MicroStation, Microsoft Word, Microsoft Excel, Lotus, Primavera P3 and Adobe Acrobat.

The Solution

Odebrecht determined that these challenges would best be addressed by a web-based project collaboration system. The company drafted a list of requirements and set out to find potential options. The requirements included the following:

- Project team members had to be able to view documents in any format without having to own licenses for the native applications
- The system had to be easy to use and not require a support and maintenance team to manage
- The system had to have robust document and process management functionality for the storing, viewing and tracking of documents, as well as a systematic way to enforce business processes around document routing
- The System had to be accessible from any computer with Internet access anywhere in the world

After evaluating a number of potential systems, Odebrecht selected Collaboration Workspace, an enterprise content management solution delivered via a SaaS (Software as a Service) platform. Collaboration Workspace combines document management, business process management and business intelligence into an integrated solution. The company chose Collaboration Workspace for its superior performance, user-friendly interface, high speed, ability to easily access data and documents, report tracking and task management capabilities.

The Results

Project Completion Six Months Ahead of Schedule

Collaboration Workspace enabled Odebrecht to finish the Tocantins Basin project six months ahead of schedule. Completion delays typically associated with document access, review and dissemination were reduced dramatically. And having complete access to the most current and accurate information kept rework to a minimum.

Increased Productivity

Collaboration Workspace also allowed project team members to find and access documents more quickly and to track the status of documents and communications from any location, 24 hours a day. And because Collaboration Workspace enabled project team members to access and view any kind of document regardless of format, the team did not have to learn how to use the various software applications in which the documents were created.

Reduced Costs

Odebrecht also credits Collaboration Workspace for helping it save more than \$5,000 per month in document transmittal and printing costs. Other significant savings included reduced software acquisition costs to support viewing of the various document types used on the project. Odebrecht officials credited a number of key factors for the benefits brought about by Collaboration Workspace, including the following:

- Secure access control at the folder, document and form level, which ensured that users could only view what they had permission to view
- Microsoft Outlook style interface that allowed users to leverage their existing knowledge of Microsoft's well known interface
- Organization of documents that matched the specific work processes and document naming conventions of the project
- Ability to view, download, print and plot more than 250 document types, so that project team members had fast and easy access to critical project documents
- Complete audit trail that captured the actions of users at every level, including document viewing, downloads and responses to time-sensitive items such as RFIs (Requests For Information)
- Management reports that enabled Odebrecht's internal project team to track the system's use internally and externally, continually monitor outstanding action items, document uploads and downloads, and be notified of patterns that required further investigation

Results

- Completed project 6 months ahead of schedule
- Avoided costly project delays through increased productivity
- Saved \$5,000 per month in document transmittal and printing costs alone
- Improved security controls and audit trails
- Enabled users to access more than 250 file types without requiring the native software
- Enhanced visibility into outstanding items and overall project health

SAN FRANCISCO

t 415 882 1888

HOUSTON

t 713 267 2330

CHICAGO

t 312 447 5600

NEW YORK

t 212 279 2300

For further information please visit: www.sword-ctspace.com
or email us at: contact-us@sword-ctspace.com

SWORD
UPGRADE YOUR BUSINESS

For a complete listing of our
offices please visit our website

www.sword-group.com