Applied Software implements Vault to securely organize, manage, and track a customer's data more efficiently across teams.

Mesa Associates Inc.

is a full service engineering, procurement, & construction management firm specializing in power, defense, aerospace, industrial, commercial and municipal entities. They also offer power delivery services including electrical high-voltage, substations, switchyard, transmission line, & distribution design.

Overview

What is Autodesk Vault?

Autodesk® Vault data management software, part of the Autodesk solution for Digital Prototyping, helps design and engineering work groups to securely organize, manage, and track their data and have more control over design data with change and revision management capabilities. With Autodesk® Vault, users can quickly find and reuse design data and more easily manage design and engineering information.

Why Autodesk Vault?

Many customers, like Mesa, have regulations that mandate the data is not stored in the Cloud. Vault Pro is the ideal solution because it helps companies to control access while maintaining secure data under the protection of a firewall. It provides the foundation to build a secure, customized Data Management Solution.

Additionally, engineers, on average waste approximately 15% of their time managing data.

Common Sources of Wasted Time

Engineers browsing through various data repositories with limited search options

Copying, renaming, or moving files breaks links between assemblies and components

Manually printing large batches of drawings one-by-one

Maintaining spreadsheets that list files consumed by top-level and sub-assemblies

AUTODESK
Platinum Partner

The Customer Challenge

Mesa's home-grown data management system did not support current CAD modeling software (i.e. Inventor, Navisworks, Civil 3D, Plant 3D). It had disconnected systems for document management and transmittal tracking that resulted in inefficiencies and lost time.

Their current system did not integrate with other systems for project set-up resulting in duplicate data entry in their CRM and DM systems. Their goal was to streamline to one system for data management and transmittals with the ability for workflow and project tracking.

The Solution

Since many of Mesa's customers have regulations that mandate the data is not stored in the Cloud, Vault Pro was the ideal solution. Applied Software provided a customized solution to create projects from CRM/ERP data that enhanced the out-of-the-box functionality of Vault.

Specifically, project and standard folder creation, Auto-assignment of categories based on folders, enhanced permission to support 3rd party review and approvals in a matrix organization where we created a system that leveraged defined roles to users maintained by a custom object. In short, we exceeded the customer's goal of creating one system for data management and transmittals by presenting them with Vault Professional and customizing it to meet their unique needs.

IP SECURITY	AUTODESK® VAULT PROFESSIONAL
Central location for all product data	✓
Permissions for viewing and editing data	✓
Backup and restore utilities	✓
File check-in and check-out	✓

ENGINEERING PRODUCTIVITY	AUTODESK® VAULT PROFESSIONAL
Simple & advanced search tools	✓
Rename wizard	✓
Copy design wizard	✓
Batch plotting	✓
View used & where used	✓