TECHINT ENGINEERING &CONSTRUCTION

Global general contractor deploys fully centralized EMC InfoArchive in days to protect 1 TB of critical engineering documents

ESSENTIALS

Industry

Engineering & Construction

Size

19,500 employees

Challenges

- Legacy system responsible for managing EMEA engineering information was coming to end of life and no longer supported

- Microsoft 2003, which acted as the primary operating system, was also coming to end of life and no longer supported

- Required a new legacy system that could be deployed in days and protect up to 1 TB of critical engineering information

Results

- Fully protects 1 TB of vital engineering information

- Deployed in only 25 days, meeting urgent scheduling requirements

- Easy to use, user-friendly solution enables staff to locate and retrieve desired documents in seconds

OVERVIEW

Techint Engineering & Construction, a wholly-owned subsidiary of The Techint Group, delivers engineering, procurement, construction, operations, and management services for large-scale projects located across the globe. With more than 70 years' experience, the company has successfully completed over 3,500 projects within a wide range of segments including Oil & Gas, Energy, Industrial Plants, Oil Refineries, Petrochemical Plants, and Mining. Its 19,500 employees rely on hundreds of thousands of engineering information instances and documents to expedite accurate project completion on time and to budget.

BUSINESS CHALLENGES

Techint E&C operations located in Europe, the Middle East, Africa and the Americas had for years used Autodesk to archive and protect a full Terabyte of vital engineering information. However, this critical digital data was now under threat due to a variety of reasons.

First, Autodesk suddenly announced that it would no longer support its ProductStream CAD application. Second, Windows 2003—which ran on 50 separate local servers and acted as the operating system for ProductStream—was no longer being supported by Microsoft. Techint E&C Senior IT Applications Specialist Valerio Mascheroni realized that he was facing a serious challenge.

"Within our EMEA region we recognized that soon, critical historical engineering information would no longer be adequately supported," Valerio explains. "To ensure ongoing security, we needed to find a new, highly available archive solution that was easy to use and that would fully secure these assets within a safe environment."

To resolve his challenge Valerio turned to EMC. "We talked with EMC advisors and also consulted other EMC References," he explains. "We learned that EMC InfoArchive was an archive designed to enable us to decommission applications that were no longer supported and to secure the data and content for the users. As importantly, InfoArchive could be implemented quickly to meet the urgent nature of our requirement."

THE SOLUTION

To ensure the safe deployment of its new EMC InfoArchive solution, Techint E&C started with a Proof of Concept. During this test phase, the company realized that

REDEFINE

EMC²

InfoArchive's simplified ease of use and high level of security was exactly what it required. Working with EMC, and in less than a month, Valerio quickly rolled out the solution to protect all engineering information stored in the ProductStream application which is no longer supported.

A full Terabyte of digitized engineering information was quickly migrated from AutoDesk ProductStream to EMC InfoArchive which required only a single centralized server to meet high levels of performance.

"It took us only 25 days to fully deploy EMC InfoArchive, which included the test phase and all data migration," Valerio states. "This was a very, very quick implementation. It is not easy to find a solution that is so easy to implement while also being so appropriate to our needs."

Following data migration, the AutoDesk application, as well as forty-nine servers, was decommissioned.

> "It took us only 25 days to fully deploy EMC InfoArchive.… It is not easy to find a solution that is so easy to implement while also being so appropriate to our needs."
>
> Valerio Mascheroni
> Senior IT Applications Specialist Techint Construction & Engineering

FULLY SECURING VITAL ENGINEERING INFORMATION

Today, EMC InfoArchive fully protects critical historical engineering information within a fully secured, centralized archiving solution. Because InfoArchive uses role-centric protection as well as other masking features, Valerio has the knowledge that only approved Techint E&C staff can access vital information. He also knows that EMC technologies provide a safe and stable environment for required information security.

"We were driven to redefine our information archiving requirements because we were worried about its safety and security," Valerio says. "With EMC InfoArchive, we now know that a full Terabyte of vital engineering information is stored safely within a highly secure and future-proofed environment."

SPEEDING EASY INFORMATION ACCESS

Even though security was Valerio's primary concern, quick and easy information access was also a factor in choosing EMC InfoArchive.

Valerio notes that Techint E&C staff is fully satisfied with InfoArchive's focused search functionalities. "When we deployed InfoArchive, our staff immediately told us how user-friendly and easy to use it is," Valerio explains. "They don't have to remember multiple routines. Instead, they simply input familiar criteria to search and retrieve desired information among thousands of records in seconds."

LOWERING COSTS

While achieving lower operating costs was not a primary objective, Valerio has discovered that InfoArchive has helped to minimize the company's total cost of ownership (TCO). This is due not only to increased user efficiency, but also because InfoArchive requires only a single centralized server to achieve required security and performance.

"Our legacy AutoDesk engineering application operated on fifty separate servers, all using Microsoft Windows 2003," Valerio explains. "Each server required periodic maintenance, and a separate operating system license.

"With InfoArchive, we have significantly lowered TCO. Today, we only have to maintain one single server. The deployment of InfoArchive has resulted in an unanticipated yet welcome benefit: we have significantly decreased the cost of archiving and managing our engineering information."

REDEFINING THE FUTURE

Due to the significant benefits the company is experiencing with EMC InfoArchive, Techint E&C are now considering global deployment.

"We are so pleased with the performance of EMC InfoArchive that the company is now considering using this solution to manage all historic engineering information across our global operations," Valerio says. "Today, EMC InfoArchive protects all of our engineering knowledge within the EMEA region. Soon, it could be used by thousands of global staff to access and protect historic engineering information for the entire company."

CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller, visit www.emc.com/ecm.