Repro Products Est. 1979

AUTODESK Gold Partner

Georgia Transmission

Customer Challenge: Georgia Transmission Corporation (GTC) needed to replace an aging Document Management System (DMS). GTC was no longer receiving adequate support and it prevented them from upgrading their AutoCAD to a current release or leveraging some of the recent advances.

Project Goals:

- Migrate their existing data from the old DMS to a new version
- Extend data access for inactive AutoCAD team users while enacting precise controls.
- Migrate legacy AutoCAD customizations forward
- Investigate the potential of tools like Civil 3D

Solution: Repro Products (RPI) implemented Vault Professional with GTC's legacy files and migrated metadata from the old system, configuring the same to support ALTA's various workflows. RPI developed custom curricula for Vault Professional, AutoCAD and Civil 3D with ongoing support. Now GTC finally owns a capable and modern "future proof" DMS on the same release cycle as its design tools.

Testimonial:

During our evaluation process, Repro Products checked all the boxes we were looking for in a reseller. Repro Products outlined procedures to transfer existing data to Vault and inventive programming scripts within AutoCAD and Vault to make the workflow easier for the end-users.

I work with a lot of venders in my position, and I particularly enjoy working with Repro. We have constant communication for each upgrade project, brainstorming on what will be the best option. When other companies ask about our Vault system, I always recommend contacting Repro.

- Erik Emory

ALTA REFRIGERATION

Customer Challenge: As a certified Design-Build Contractor, ALTA Refrigeration is a single, responsible source for refrigeration solutions. Because ALTA is responsible from start to finish, extra attention is paid to results, details, pricing and schedules. ALTA needed to leverage its design and management tools to maximum effect to achieve excellence in these activities.

Project Goals:

- Replace Solidworks seats with Inventor Professional to hone mechanical design
- Optimize existing use of AutoCAD for controls design and arrangement
- Integrate systems together and improve the management and re-use of engineering data

Solution: Repro Products (RPI) provided custom training and ongoing mentoring for Inventor Professional to address ALTA's mechanical design challenges. Similarly, RPI delivered a custom curriculum and ongoing mentoring for AutoCAD Electrical to optimize controls design. Revit training enhanced interaction with building contractors. Finally, RPI implemented Vault Basic to manage the resulting engineering data. Since working with RPI, ALTA has improved productivity by effectively utilizing their design tools and through efficient management and re-use of their data.

Testimonial:

We have been a satisfied customer of Repro Products for many years. They've always been there to assist and support us, from software installations to training. When we purchased Vault, Dan Williams worked with our IT consultants to ensure that installations went smoothly.

-Tracy Ploeckelmann

Customer Challenge: BenchMark Management, LLC's workflow involved creating 2D AutoCAD drawings of the on-site buildings while struggling to ensure that every system was coordinated properly from a 2D perspective. Benchmark's competition was already utilizing Revit and the BIM workflow approach, and so Benchmark enlisted the aid of Repro Products (RPI) to train their employees in all necessary Revit/BIM skills to remain competitive.

Project Goals

- Provide all end users a proper understanding of Revit/Revit MEP systems to create 3D BIM-based models such that they can connect to site services and coordinate with other disciplines
- Move away from the 2D AutoCAD approach and enter the 3D realm of design and coordination to gain better insight on creating projects more efficiently
- Gain the knowledge necessary to be able to perform to the level of their competition and win more work down the road

Solution: RPI tailored the Revit MEP training to teach users the necessary skills to create 3D BIM models of their buildings and to provide the proper 3D site-contextual data for their projects, thus ensuring the building systems were designed without conflicts. Most of their buildings were infrastructure-based, such as sewer systems buildings, sanitary and storm systems, waterways and parking lot sewer systems. The heart of the Revit MEP training centered on piping, conduit and plumbing systems.

Thanks to the Revit training, Benchmark was able to meet the challenges of competitors with a stronger foothold than themselves; they were able to create MEP systems for buildings with site connectivity in mind and they were able to collaborate more effectively with their outside consultants using their Revit models.

Conclusion: RPI evaluated the current benchmark workflow, the level of Revit MEP knowledge, and tailored services to maximize the effectiveness. RPI also structured virtual training spread across two weeks in order to enable the customer to absorb the training while also managing their workload.

Customer Challenge: Los Alamos County, NM works on all types of infrastructure projects from roads to drainage. Most users had little to no experience with Autodesk Civil 3D and were still using a much older release. Trying to work with outside consultants became problematic, and the varied level of user experience was creating bottlenecks.

Project Goals:

- Provide all engineers and designers a fundamental understanding of Autodesk Civil 3D
- Expand the skillsets necessary to complete more projects in-house
- Gain a better understanding of the workflows needed to complete projects more efficiently

Solution: Los Alamos County partnered with Repro Products (RPI) for the training and support needed to gain the necessary technical expertise to perform more projects in-house. The RPI team provided Los Alamos County with Autodesk Civil 3D Training.

The Civil 3D Training provided by PRI to Los Alamos County helped the organization boost productivity and provide more accurate and effective designs. RPI built upon existing knowledge to improve productivity for Los Alamos.

Conclusion: The County is responsible for multiple transportation, utilities, and drainage infrastructure projects, where they use drafting software on a daily basis. Several new employees had joined the engineering team and with a wide variety of engineering and drafting experience. Autodesk Civil 3D is the tool they use to meet all their drafting needs. The Civil 3D Training that RPI provided eliminated their reliance on outside contractors and increased team cohesion.