

Transforming EPCM Project Efficiency with Autodesk Solutions

A Success Story by Waco Engineering Services

Customer Challenge:

Waco Engineering Services faced a pressing challenge - reducing turnaround time while empowering engineers to focus on design over drawing tasks. To address this, they partnered with Modena Onesolve to access skilled AutoCAD 2D, 3D, Advanced Steel, and Revit draughting resources. This strategic collaboration also extended to Autodesk Construction Cloud.

Customer Goals (EDDMS Goals):

- Reduce turnaround times and shift engineers' focus to design tasks.
- Enhance collaboration between Waco Engineering Services and external resources.
- Implement a system that optimizes team utilization.

Solution:

Waco Engineering Services had already been utilizing Autodesk Vault Professional. However, as their business evolved into a project management and EPCM environment, they decided to adopt Autodesk Construction Cloud. This transition led to several significant improvements. It reduced workflow times, streamlined collaboration with external resources, and increased team utilization. Modena Onesolve played a pivotal role in this transformation. They swiftly adapted to the nature of Waco Engineering Services' work and significantly boosted drawing production rates. This increase in efficiency reduced turnaround times and enabled Waco Engineering Services to deliver critical information to project sites ahead of deadlines. Additionally, Modena Onesolve assisted in overhauling the drawing process, minimizing the number of files generated, and adapting templates to align with Waco Engineering Services' new way of working with Autodesk Construction Cloud.

Business Outcomes:

- As a result of these solutions, Waco Engineering Services achieved the following outcomes:
- Drastically reduced turnaround times, enabling faster project progression.
- Shifted the focus of engineers from drawing tasks to more valuable design work.
- Improved collaboration with external resources, further enhancing project efficiency.
- Optimized team utilization, leading to increased productivity and cost-effectiveness.

Conclusion:

By embracing Autodesk solutions and collaborating with Modena Onesolve, Waco Engineering Services successfully tackled their challenge of improving turnaround times and shifting their engineering focus.

The partnership with Modena Onesolve not only expedited the adoption of Autodesk Construction Cloud but also significantly increased drawing production rates. These changes resulted in a streamlined workflow, better collaboration, and a more productive team, ultimately driving the success of Waco Engineering Services' EPCM projects.

Project Summary:

Delivery Date: 30/10/2023

Project Duration: 2 months, built upon years of support, training, and prior implementations

Autodesk Solutions Used:

Autodesk Construction Cloud – Build and Docs

AutoCAD

Advanced Steel

Revit

Services Provided: Virtualization, Configuration & Deployment, Custom Training, Implementation, Custom Content Advanced Workshops, On-Site Support, Advanced Remote Autodesk Specialist Support, Customer Discovery Workshops

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