

FLATWORLD SOLUTIONS PROVIDES CONVERSION OF LEGACY 3D DESIGNS FOR TOP US MANUFACTURER



Client Profile - Leading Aviation Manufacturing Firm

The client is based in the United States and specializes in manufacturing fuel control systems for aviation equipment. The client supplies fuel injection systems to airlines and aviation fleets throughout the world. With 25 years of aeronautical experience, they work with both new and rebuilt fuel-related equipment.

Client Requirements and Challenges - 3D Modeling and Conversion

The client wanted to update and convert existing fuel injector designs to 3D AutoCAD format models. The designs needed to incorporate changes as well as convert legacy file formats to contemporary 3D models. For this project, engineering design standards were required to be in accordance with Australian manufacturing guidelines.

The project involved these primary challenges -

- + Accurate interpretation of legacy designs
- + Some original designs were hand-drawn

The Solution by Flatworld Solutions

The Flatworld Solutions 3D design specialists developed this solution -

- + The team included an account manager, two mechanical engineers, and a quality analyst
- + Prior to the project, the client provided Autodesk Inventor 2015 files and hand-drawn design sketches
- + The team successfully completed all design updates and conversions. All manufacturing models met Australian engineering specifications. Deliverables were provided in 3D AutoCAD files as requested by the client

The Results - Converted Legacy Files and Hand-Drawn Sketches to 3D AutoCAD

This project demonstrates the growing need for global manufacturing clients to both convert legacy drawings to contemporary 3D modeling standards and periodically update existing designs to reflect new engineering requirements. In this case, the client also needed drawings to incorporate Australian manufacturing standards. Flatworld Solutions (FWS) was selected by the client to serve as a long-term outsourcing partner - the client was pleased with all results.

FWS is an ISO certified support services provider and ensures that engineering design processes meet international quality standards. The Flatworld Solutions team has two decades of specialized 3D modeling experience - our client list includes Fortune 1000 companies as well as individuals and family businesses.

The Flatworld Solutions design team operates on a 24/6 basis that facilitates fast turnarounds when needed. We employ a customer-centric approach that is customized to meet the specific requirements, scheduling needs and budgets of each client.

If you are looking for ways to stay ahead of the competition, [contact Flatworld Solutions today](#) to discuss our [cost-effective](#) and customized strategies for converting legacy designs and sketches to formats that satisfy the most current and rigorous 3D modeling standards.