

## FLATWORLD SOLUTIONS PROVIDED 3D PART MODELING SERVICES TO AIRCRAFT FUEL INJECTOR MANUFACTURER



### The Client

The client is an established manufacturer and fabricator of industrial fuel injectors as well as other fuel-related parts. They are a leading provider of OEM performance parts for distributors, service centers, and engine overhaul experts. Several latest generation aircraft still use the client's fuel injector.

### Client Requirement

The increase in demand saw the client not meeting the deliverables and falling behind their capabilities. To prevent their customers from defecting to the competition the client chose to outsource 3D part modeling of fuel tank straps to keep the growth value unaffected. Therefore, the search for a dedicated partner began. This search helped them learn about our milestones in the last 16 years. The client provided image and sketches for reference along with the PDF format of the same files.

### Project Challenges

The project outsourced by the client came a set of challenges. Our professionals had professionally dealt with the following hurdles -

- + The knowledge of the aerospace domain was limited. Therefore, our experts had to be trained before undertaking 3D part modeling project
- + The turnaround time requested by the client was shorter and we were expected to deliver results sooner

### Our Solution

A team of qualified modelers was assembled to quickly commence the work. We implemented our strategy as follows -

#### 1. Requirement Discovery and Image Download

The sample sketches and drawings on fuel injectors were accepted from the client. The client had included PDF format of the sketches to serve as a reference

#### 2. Allocating Resource

Based on the complexity observed from the analysis we assigned the 3D part modeling responsibility to a single resource who was tasked to complete the deliverable in a week

#### 3. 3D Part Modeling with Inventor 2015

O2I's expert modeler leveraged the feature-rich Inventor 2015 suite to finish the drawings in stipulated time

#### 4. Model Review and Submission

We dispatched the finished models to the client for review and a further list of modification was applied as per their instruction. The updated model was once more dispatched for approval from the client

### The Results

We observed measurable results and the client was convinced that outsourcing 3D part modeling was the right choice. With a 30% increase in work rate, the client was satisfied with the outcome.

### Outsource 3D Part Modeling Services to Flatworld Solutions - Mechanical Engineering Expert

Flatworld Solutions is an ISO 9001:2015 certified [mechanical engineering services](#) company. We have 16 years of industry exposure in various modeling assignments from across different verticals. We have delivered several 3D part models in spec with our client's requirement. Our specialization in CAD/CAM, as well as Inventor 2015 suites helped us grow with pace. We have quickly ascended to ranks of top 3D part modeling services provider in the world in a short time. From selling [3D part modeling solutions](#) to selling great experiences, we have earned our stripes through 100% dedication towards our client's concern.

[Contact us](#) now to avail a free quote for a bespoke 3D modeling services for your design needs.