Case Study-Product Engineering

❖**Overview: Your One-Stop Shop for Product Engineering Needs**

❖**Core Service Offerings: Deep Dives**

❖**Case Study 1: Data Migration**

❖**Case study2 – FEA / Simulation**

❖**Contact Us: Take the Next Step**

Contact us: services@ijbridge.com

Your One-Stop Shop for Product Engineering Needs

- At IJbridge, we excel in delivering comprehensive end-to-end solutions for product engineering. Our broad expertise covers all stages of the product lifecycle, from initial CAD data migration and innovative new product design to concept development, detailed simulation, and final design implementation. We ensure every phase of the engineering process is meticulously managed and executed to the highest standards.

- Our commitment to excellence drives us to provide top-tier engineering services tailored to meet the diverse and evolving needs of our clients across multiple industries. Whether it's automotive, aerospace, nuclear research, or other sectors, our solutions are designed to enhance efficiency, improve performance, and deliver superior outcomes.

Core Service Offerings: Deep Dives

❖ **Design & Development**
- Design and Modeling
- CAD Migration (2D/3D)
- MBD/MBSE (Model-Based Definition/Engineering)
- CAE Analysis (Computer-Aided Engineering)

❖ **Manufacturing Support**
- Jigs & Fixture Design
- Special Purpose Machine Design

❖ **Data Management**
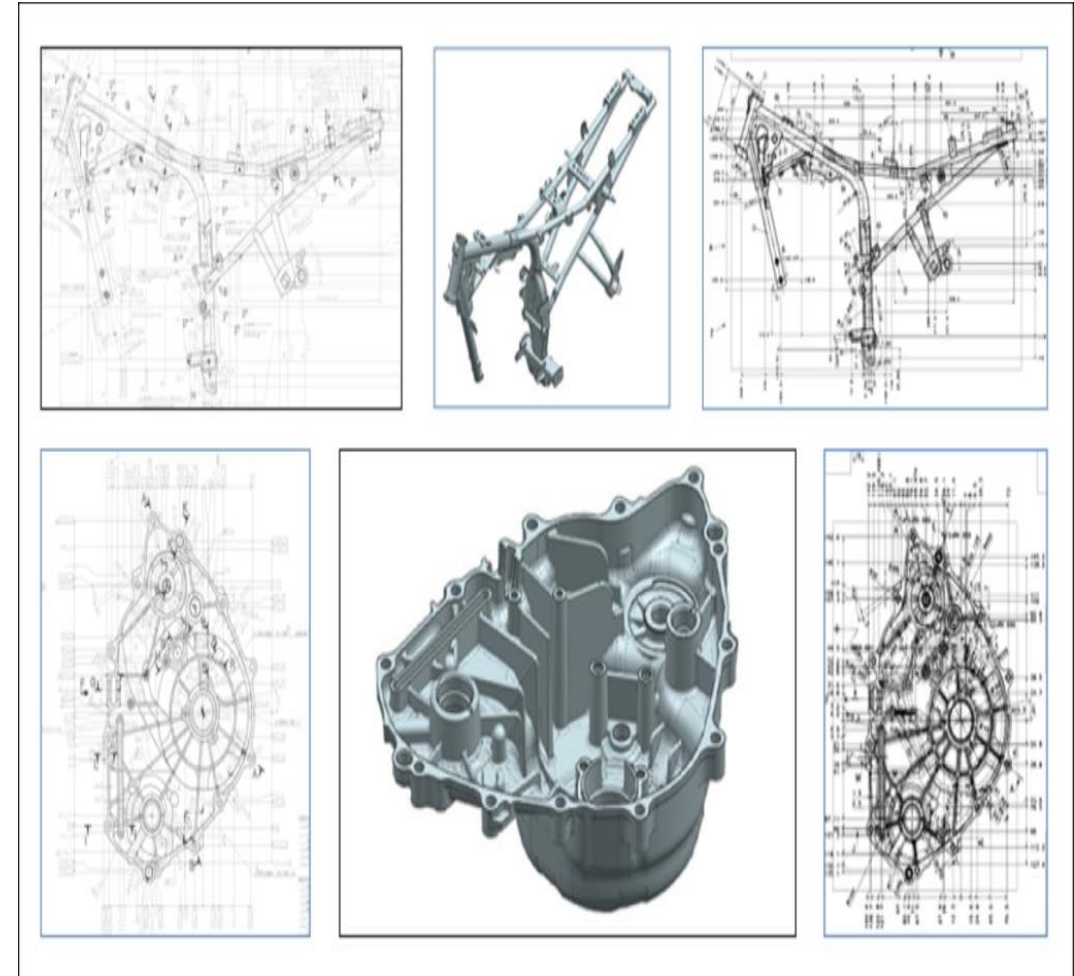- Plant Layout Design
- Data Migration Expertise

Case Study 1: Data Migration
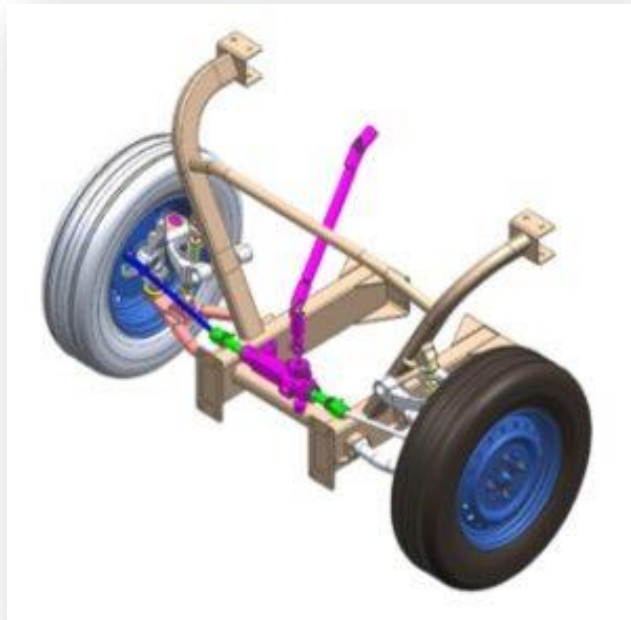## [Body-Chassis & Engine Transmission]

We have extensive experience in data migration projects, specifically for Japanese Original Equipment Manufacturers (OEMs). Our team has successfully delivered over 15,000 hours of 3D and 2D data migration services, ensuring high-quality and accurate data transformation.
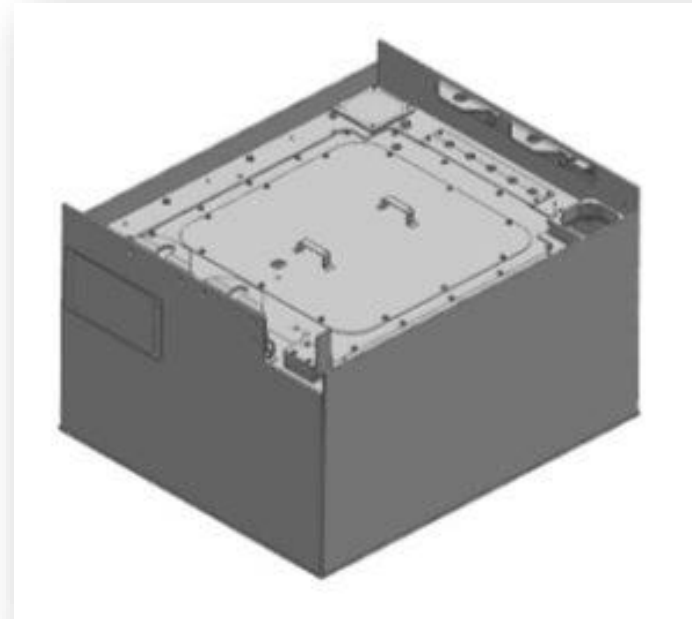
Project Highlights:

- **Client:** Japanese OEMs

- **Scope:** Migration of data from 2D to 3D & back to 2D

- **Total Hours Delivered:** Over 15,000 hours

- **Key Achievements:**
  - Seamless transition from 2D to 3D models
  - Accurate conversion maintaining data integrity
  - Enhanced data usability and accessibility
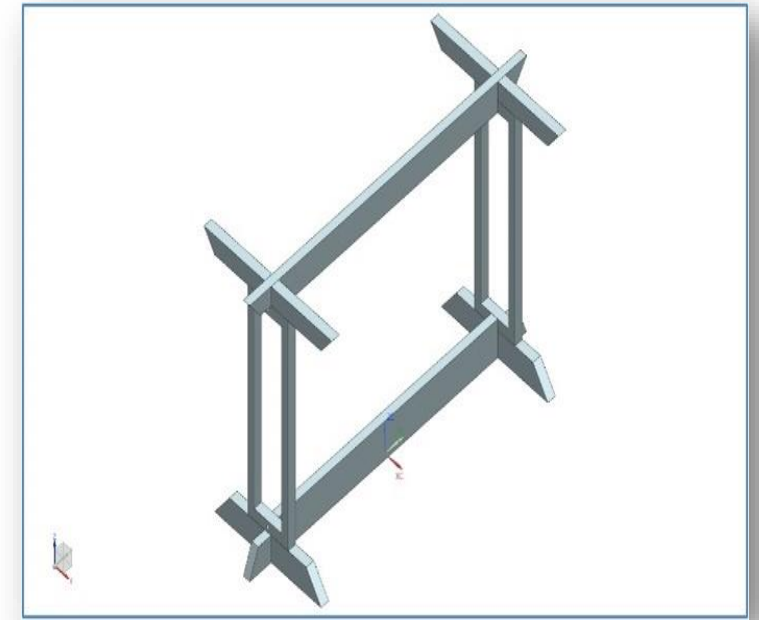
Case study2 – FEA / Simulation

We conducted a comprehensive simulation of suspension kinematics for a prominent automotive OEM.

complete support for manufacturing solutions from concept design to 3D models and manufacturing drawings.

We undertook a project to simulate the suspension kinematics for a leading automotive OEM.