

[GLOBAL](#) | [JAPAN](#) | [AMEI](#)[PRODUCT INFO](#) | [COMPA](#)

CASE STUDY

Customer Story

Toyota

Renault Sport F1

Shinryo

TONETS

Matsue College

Shutoko Engineering

Aisin Seiki

Canon

Nissan/ASFALIS

Nissan/CADdoctor for

NX

Aerojet Rocketdyne

Customer Voice

Elysium's Rich Geometry-handl Translation Technology Suppor Development of High Quality A

Industry: Automotive Product: CADdoctor, ASFALIS, InfiPoints

Toyota Motor Corporation

Toyota Motor Corporation adopts Two-CAD Strategy with CATIA V5 for (Pro/ENGINEER) from PTC as the main CAD systems for product development for specific engineering fields such as Product Development, Analysis, Pr

Elysium's technology is fully utilized to accelerate the data circulation and improve the PDQ (Product Data Quality) in each engineering field.

With Elysium's geometry handling and data translation technologies, the more advanced 3D data utilization at Toyota Motor Corporation, and also versions released.

[Promoting Two-CAD Strategy](#) [Elysium's Technologies in Ever](#)

Promoting Two-CAD Strategy

Toyota Motor Corporation adopts Two-CAD Strategy with CATIA V5 for (Pro/ENGINEER) from PTC. So it is essential that two CAD systems are working in process in product development to successfully and efficiently maximize this project, Elysium is certified as the solution provider for the capability geometry or assembly structure which are specific to automobiles, while CAD systems.

[Learn more about the PDQ Check / Repair and data translation by the t](#)

Elysium's Technologies in Every Engineering Field

Toyota Motor Corporation utilizes Elysium's various technologies; geom information and new technology to handle polygon and point cloud dat

Case Study 1: Enveloping in Virtual Prototyping (Digital Ass

3D data are regularly utilized for virtual prototyping to study the assemb planning. It is a common issue that it takes too long to import the data, t scaling up/down the model, especially when handling large data, for exa compartments. Elysium's Enveloping function unblocks these bottlenecl deleting interior parts) and realizes the smooth, stress-free investigation

Case Study 2: PDQ Validation in Modeling Dies

At die design and die manufacturing, it is very important to translate high Elysium's best-in-industry geometry healing; [detecting and repairing PD](#) this requirement.

Case Study 3: Geometry and Property Translation in Design

It is required to translate 3D data accurately including non-geometry inf when moving to the designing of equipment and jigs. Elysium's sophistic [information](#) is utilized in these downstream processes as well.

Case Study 4: Data Translation for Viewers for Examining tl

3D CAD data of products and dies are also utilized to quickly study the o the viewer. Elysium's technology facilitates translating 3D data for viewe information.

Case Study 5: Utilization of Point Cloud Data in Production

For the quality control at the actual production line, Toyota Motor Corp system of the products in which Elysium's technology is widely utilized. 7 parts from the normal production using 3D scanners, and then examine

Furthermore, at the plant, they are also promoting a large-scale project 1 data obtained by 3D-scanning the production line with the long-range s chosen as the tool to view and edit huge point cloud data with high perf present layout and plan the remodel of production lines.

