

# Zodiac Arresting Systems America Case Study

## Proficiency speeds the migration of legacy data from Solid Edge to CATIA

### Proficiency

To save time and money while preserving intellectual property, manufacturers must re-use CAD data, especially as they migrate to a new CAD system or acquire businesses with product lines designed in a different CAD system.

Proficiency is a feature-based software that enables the transfer of complete design intelligence between major CAD systems with up to 100% automation and enhanced efficiency. By providing fully functional models in the target CAD systems that retain the original product knowledge, Proficiency maximizes CAD data re-use and offers a reliable basis for further development. Design teams can easily understand issues related to modeling practices. Geometry, features, history, sketch relations, manufacturing information, metadata, assembly information, and drawings seamlessly transfer between CAD systems.

Proficiency also offers source data auditing and automated conversion reporting, including feature validation and transaction records. Proficiency converts high-quality CAD models without losing workability or manufacturing data.

### Challenge

Zodiac Arresting Systems America designs and manufactures arresting technology for ground-based runways and aircraft carriers, as well as UAV launch and recovery gear.

To improve engineering design productivity on their complex products, Zodiac Arresting Systems America decided to standardize on CATIA V5 as their design platform. They already used SmarTeam as their single data management system, so changing to V5 required Solid Edge models and drawings to be extracted, converted to V5 and loaded back to SmarTeam.

### Solution

An initial consultation with PLM solutions partner, Inceptra, and International TechneGroup Incorporated (ITI) laid the groundwork for a successful CAD conversion process. Zodiac Arresting Systems America chose ITI's Proficiency as their CAD conversion solution. The team tested migration options to mitigate inherent risks found when moving CAD data between dissimilar CAD design tools. The process ultimately allowed Zodiac Arresting Systems America to work natively with their data in V5, immediately after completing training.

### Result

Within three weeks Zodiac Arresting Systems America converted a large set of their legacy data using Proficiency, making the immediate use of V5 possible. The mostly automated data migration using Proficiency maintained feature history, enabling users to work on the preferred V5 design platform rather than reverting back to the previous design platform, Solid Edge.

**Proficiency's swift feature-based migration of Solid Edge data to CATIA made it possible for Zodiac Arresting Systems America to standardize on one CAD system.**



Lockheed Martin photograph by Tom Reynolds

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