Aerospace Focus

To remain competitive, aerospace manufacturers are implementing model-based enterprise (MBE), advanced simulation and PLM initiatives supported by best-in-class engineering systems. However, data interoperability issues can impede progress.

ITI solves complex interoperability problems, supporting key aspects of MBE and PLM implementation including: product design, computational analysis, engineering change management, FAA certification, ITAR regulatory compliance, long term archival, technical data packaging, and secure engineering information transfer.

ITI solutions for data conversion, integration, validation and migration ensure success

- Robust and stable 3D CAD geometry and 3D PMI for use throughout the lifecycle of the aerospace product

- Reduction in cost impact of engineering errors and escapes for 3D product data

- Rapid identification of changes in 3D geometry and PMI when new CAD model revisions are received from customers

- Validation of the accuracy of derivative CAD models as they are translated for supply to manufacturing and collaborative partners

- Creation of an accurate and fully validated long term archival system (LOTAR), achieving aerospace regulatory compliance

- Reduction in lead times and model rework for advanced simulation, collaboration and manufacturing processes

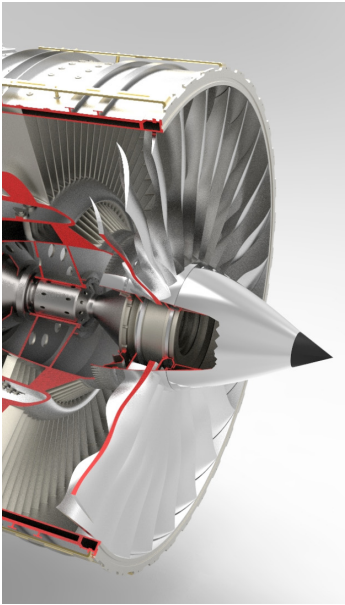- Creation of fully validated technical data packages and secure data exchange across the aerospace supply chain

ITI Technology

CADfix

CADIQ

DEXcenter

DrawtoPMI

Proficiency

About ITI

ITI is the global leader providing reliable interoperability, validation and migration solutions for product data and related systems. Our customers recognize the value in having a trusted solution partner that provides more than just software. ITI solves complex product data interoperability problems so that the world's leading manufacturers can focus on making great products.
You need to keep your engineering initiatives moving forward.

"Aerospace customers demand that their engineering and manufacturing technologies enable interoperability from design to sustainment.

ITI is in a unique position to offer CAD migration, validation, and integration solutions that can be applied across the product lifecycle.

No other company has the level of experience and focused approach to solving interoperability issues."

- Tom Gregory, CEO, ITI

**Maximize technology.
Drive program success.**

Create Momentum ▶

ITI
International TechneGroup

Aerospace Focus

MTU Aero Engines

CADIQ model validation within a STEP-based LOTAR system achieved top results in MTU's tool evaluation and was easy to integrate into their Teamcenter environment.

Zodiac Arresting Systems America

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.

Customer Success

Aerospace OEMs have applied ITI technology to achieve success on a wide range of aircraft programs and projects including:

- Military aircraft MBE pilot program included data transformation, exchange, and validation.

- Narrow body manufacturer reduced quality escapes through an API-based CAD check of MBD data.

- Landing gear manufacturer reduced CAD remodeling through feature-centric translations.

- Avionics manufacturer streamlined supplier data exchange by consolidating software and workflows.

- Airframe manufacturer met OEM and FAA validation requirements through API-centric CAD validation.

- Military fighter manufacturer reduced analysis cycle-time using an automated CAD-to-CAE pre-processor.

- Commercial wide body manufacturer reduced headcount through automated technical data packaging (TDP).

- Rotorcraft manufacturer improved producibility through automated quality checks of GD&T.

- Leading engine manufacturer implemented fully validated CAD model translation system to meet data delivery requirements of airframe customer.

Clients we serve

ITI's aerospace clients include: Airbus, BAE Systems, Boeing, Bombardier, General Dynamics, GE Aviation, Harris Corporation, Honeywell, L-3, Lockheed Martin, Moog, NASA, NAWCAD, Orbital ATK, Pratt & Whitney, Raytheon, Rockwell Collins, Snecma, Spirit AeroSystems, Textron, Thales, US Air Force, UTC, Zodiac Aerospace, and more.

Key Program Contributions	Vendor Partnerships	Industry Alliances	
DoD NIST MBE PMI Validation	PTC Platinum Partner	AIA	NAFEMS
DoD TDP Integration & Validation	Dassault Systemes Solution Partner	AIAA	NACFAM
Air Force Research Lab CSI & TiFAB Initiative	Siemens PLM Solution Partner	CAX-IF	NCMS
Digital Mfg and Design Innovation Initiative	ARAS ISV Certified Partner	CIMdata	NDIA
UK Projects: GHandI, AuGMENT, GEMinIDS, and ICE NITE	Autodesk Development Partner	LOTAR	PDES, Inc.
		MAA	ProSTEP