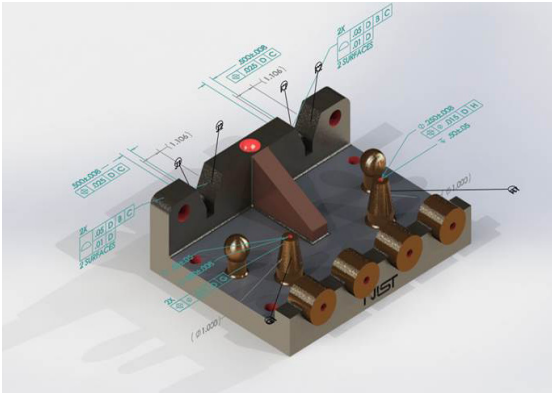# *MBE Acceleration*

Model-based Definition (MBD) is the next revolution in CAD/CAM/CAE, where annotated 3D models and 3D Technical Data Packages (TDPs) are used as the single source for all design information, eliminating the need for 2D Drawings.

When MBD is implemented at the beginning of the product lifecycle and re-used throughout an enterprise and its supply chain, it enables rapid, seamless and affordable development and deployment of products from concept to disposal. This environment is referred to as a Model-Based Enterprise (MBE).

ITI accelerates the adoption of MBE by solving complex interoperability problems that often impede its implementation, including: product design, computational analysis, engineering change management, ITAR regulatory compliance, long term archival, technical data packaging, and secure engineering information transfer.

ITI Technology

CADfix

CADIQ

DEXcenter

DrawtoPMI

Proficiency

ITI solutions for Model Based Enterprise

* Automatic conversion of traditional 3D + 2D to 3D MBD models, maximizing re-use

* Elimination of cost impact from engineering errors and escape of 3D PMI data errors

* Rapid identification of changes in 3D geometry and PMI during a design change cycle

* Validation of accuracy of derivative CAD models and lightweight visualization formats as they are translated for supply to manufacturing and collaborative partners

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

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

* Creation of fully validated TDPs and secure data exchange across the supply chain and various stakeholders, addressing security requirements

* Maturity assessment, rapid adoption roadmap, system configuration, training needs and implementation support

About ITI, a Wipro company

ITI is the global leader providing reliable interoperability, validation, and migration solutions for product data and related systems.
ITI solves complex product data interoperability problems so the world's leading manufacturers can focus on making great products.
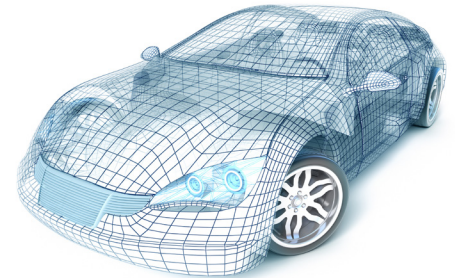
ITI is a wholly owned US-based subsidiary of Wipro, Ltd, within the Industrial & Engineering Services (IES) business. IES provides customers with a platform to innovate and engineer the next generation of products and platforms at scale.

**Maximize technology.
Drive program success.**

Create Momentum ❯

Key Program Contributions

DoD NIST MBE PMI Validation
DoD TDP Integration & Validation
Air Force Research Lab CSI & TiFAB Initiative
Digital Mfg and Design Innovation Initiative
UK Projects: GHandI, AuGMENT, GEMinIDS, and ICE NITE

Vendor Partnerships

PTC Platinum Partner
Dassault Systemes Solution Partner
Siemens PLM Solution Partner
ARAS ISV Certified Partner
Autodesk Development Partner

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