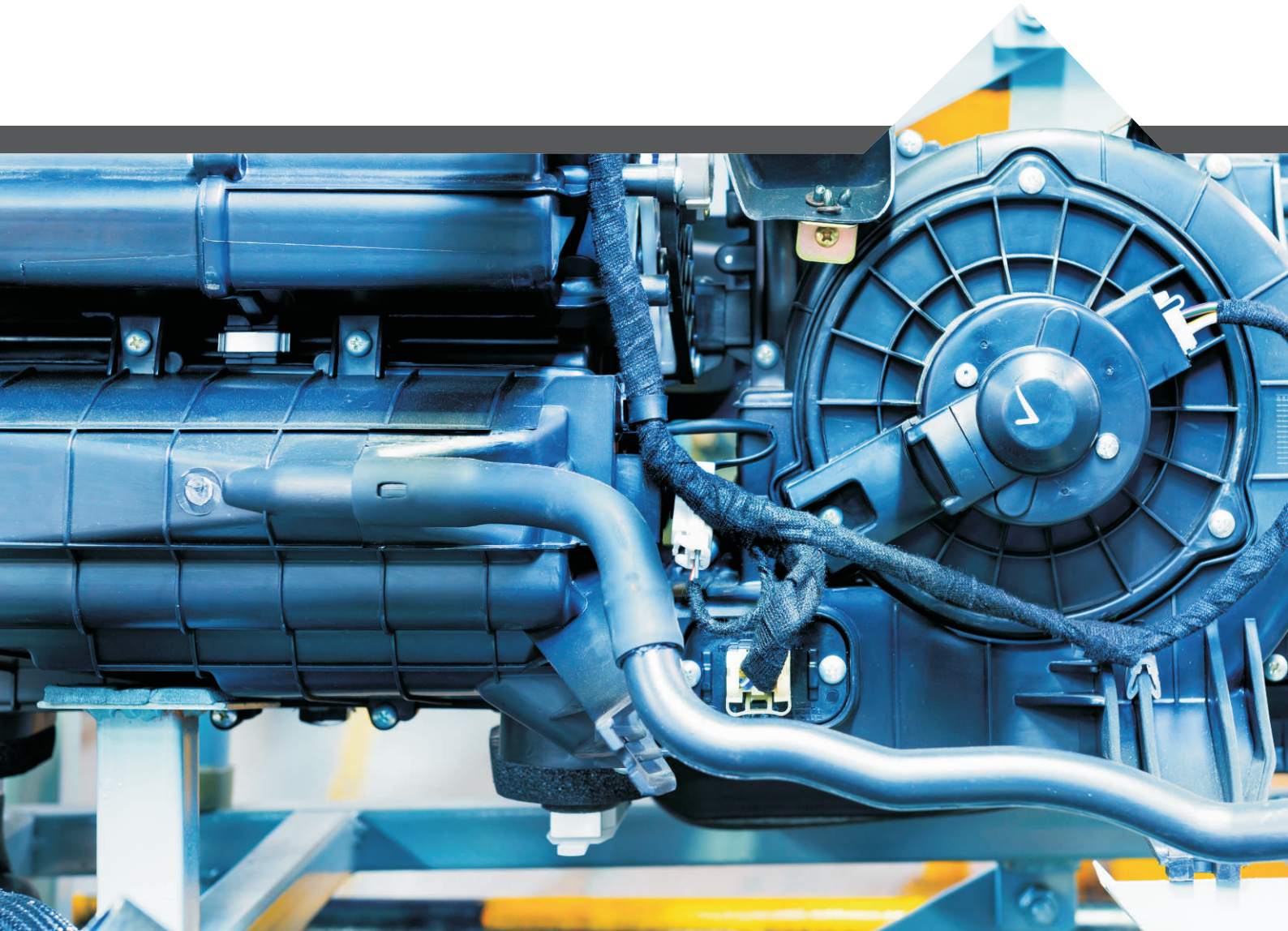


## Global Auto Supplier Increases Design Performance by Connecting Distributed Product Teams & Processes



### **SITUATION**

A complex product development system of eMatrix PDM system, Oracle ERP and Windchill PLM system with 85+ Objects Types required to be moved into a single global Windchill PLM platform easily accessible by all functions.

### **IMPACT**

Complexities introduced silos between various departments and external suppliers resulting in lesser degree of collaboration. This increased the customer's overall process time for product development.

### **RESOLUTION**

Our solution enabled faster cycle time with a streamlined single system for all product development activities. The global system increased collaboration between Engineering, Purchasing, Operations and Suppliers.

## The Customer

A leading global supplier of drivetrain, mobility, braking and aftermarket solutions for commercial vehicle and industrial markets. A Fortune 500 company, they serve major commercial truck, trailer, defense, specialty and aftermarket customers around the world.



## The Need

The customer's existing product development landscape consisted of eMatrix PDM system, four instances of Oracle ERP and Windchill 10.1 PLM platform with complex inter-relationships. To move into a single global platform for product development, the customer had to retire the eMatrix system and migrate its data along with data from Oracle ERP (27 plant locations) into Windchill 10.1. There was also a need to integrate the suppliers into the global product platform to facilitate greater collaboration.

## The Solution

ITC Infotech helped the customer to overhaul their product development system and get started with the global Windchill 10.1 platform on a new set of servers. A total of 85+ Objects types (24 Million Records) were transformed and loaded into the Windchill eco-system (PDMLink, PartsLink, SUMA, MPMLink, ESI) using PTC's Windchill Bulk Migrator (WBM) 2.2. Customized loaders for Enterprise System Integration (ESI) helped load 20% of the overall data set at more than 50 times of the out of the box load rates. This and other 'customized for client' loaders helped reduced the production rehearsal time by more than 35%.

A number of customizations on Windchill were implemented including auto generation of Part Numbers, MCAD, SUMA and user interfaces. Modules on Supplier Management were also customized enabling reports from Oracle ERP to flow into the system.

### Highlights

- Configured and customized Windchill 10.1 M010
- System Setup and Multi Track deployment of builds on new setup of servers
- Consolidated change management with advanced change control features

- Data loaded 2 days ahead of production schedule with 99.4% data quality against agreed 95%
- 4 rehearsals, followed by Pre-Production and Production Rehearsals

## Business Benefits

Our solution offered multiple benefits for the customer:

- Increased collaboration between Engineering, Purchasing, Operations and Suppliers
- Increase parts reuse with integrated search and reuse feature
- Controlled access to critical product data
- Faster cycle time with a streamlined single system for all product development activities

### ITC Infotech's PLM Practice

ITC Infotech shares a decade-long strategic partnership with PTC and is a leading provider of PTC Suite of Products. We have Centres of Excellence in specialized PLM technologies and are frontrunners in innovative methods, processes and skills in the PLM space. ITC Infotech has the largest number of PTC certified consultants and seasoned industry experts within depth knowledge of PLM.

The company has worked with some of the leading Aerospace & Defence, Automotive, Industrial Equipments, Hi-tech, Oil & Gas, Retail, Apparel and Footwear (RFA) and Consumer Goods companies across the world.

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