

Case Study: Conversion & DFQ automation with enterprise integration



Automotive giant



Business Challenges



Automate the wireframe/surface to 3D conversion process and geometry quality compliance



Integration of the design systems to the centralized product data/lifecycle management system



Establish PLM – ERP integration

Implemented Mateos for integrating -
• Design systems with PLM
• PLM and ERP



Provided:

- Auto-conversion tool with interactive steps
- DFQ integrated with enterprise business workflow process



Our Solution



Business Impact



Increased productivity by –

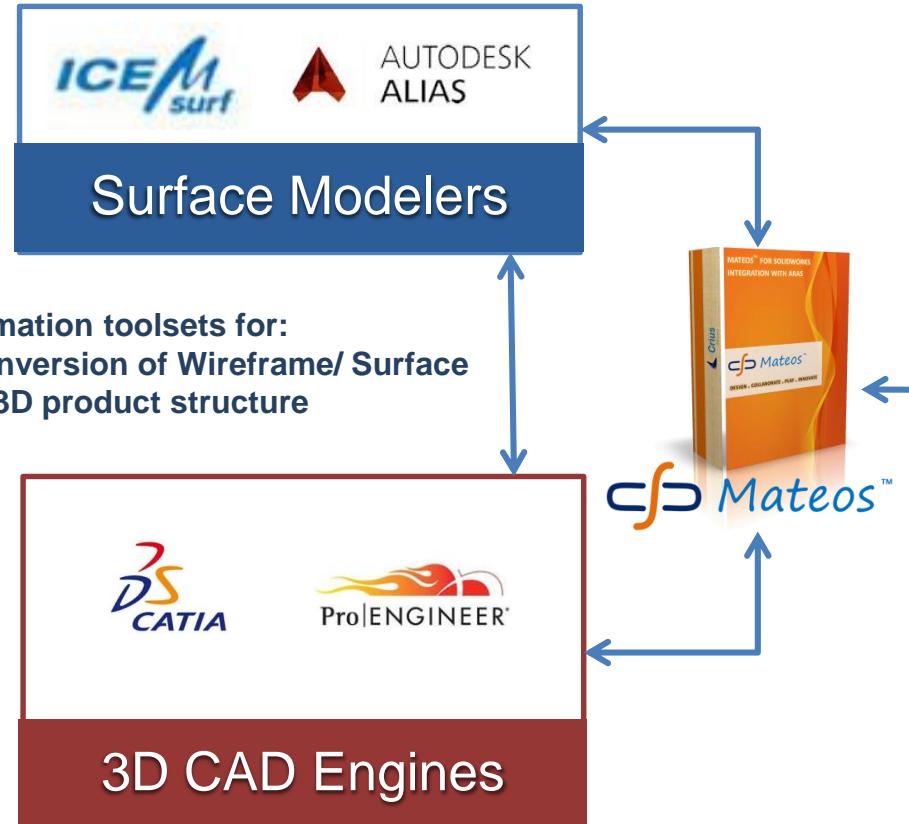
- Reduction in non-value add activities – manual geometry corrections
- Features assisting in designer decision
- Data synchronization between systems



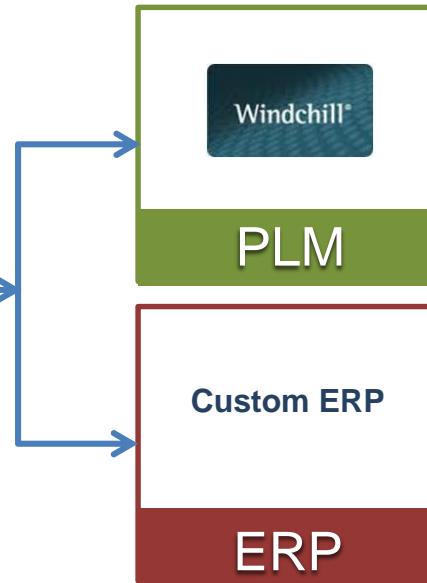
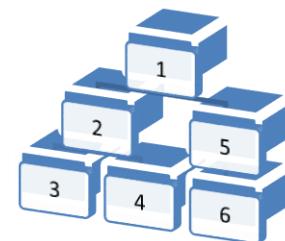
Increased employee & customer satisfaction due to

- Maintaining a single source of truth for wireframe/surface/3D files
- Business process automation – for DFQ and ERP
- User experience

Solution



1. Wireframe/ Surface Model File
2. Digital Mockup (Optional)
3. ASCII Protocol Results File
4. 3D Design BOM
5. Synchronized EBOM



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Centralized design eco-system

Seamless assets collaboration with downstream applications

Increased productivity, data integrity and quality

Reduced design timelines and operational costs

Screenshots

