



# Case Study: DFQ Automation with integrated Centralized eco-system for design & manufacturing




Leading A&D Supplier

## Business Challenges

 Automate the quality checks, drawing creation with custom views & dimensions and creation of manufacturing artifacts

 Centralized product data/ lifecycle management system with integration to the CAD & CAD Manufacturing systems

 Establish PLM – ERP integration

Implemented Mateos for integrating:

- Design & CAD Manufacturing systems with PLM
- PLM and ERP




Provided automation toolsets for:


- Design quality checks coupled with business process
- Creation of manufacturing artifacts
- Drawing creation
- Creation of Assembly Instruction Documents

## Our Solution

## Business Impact

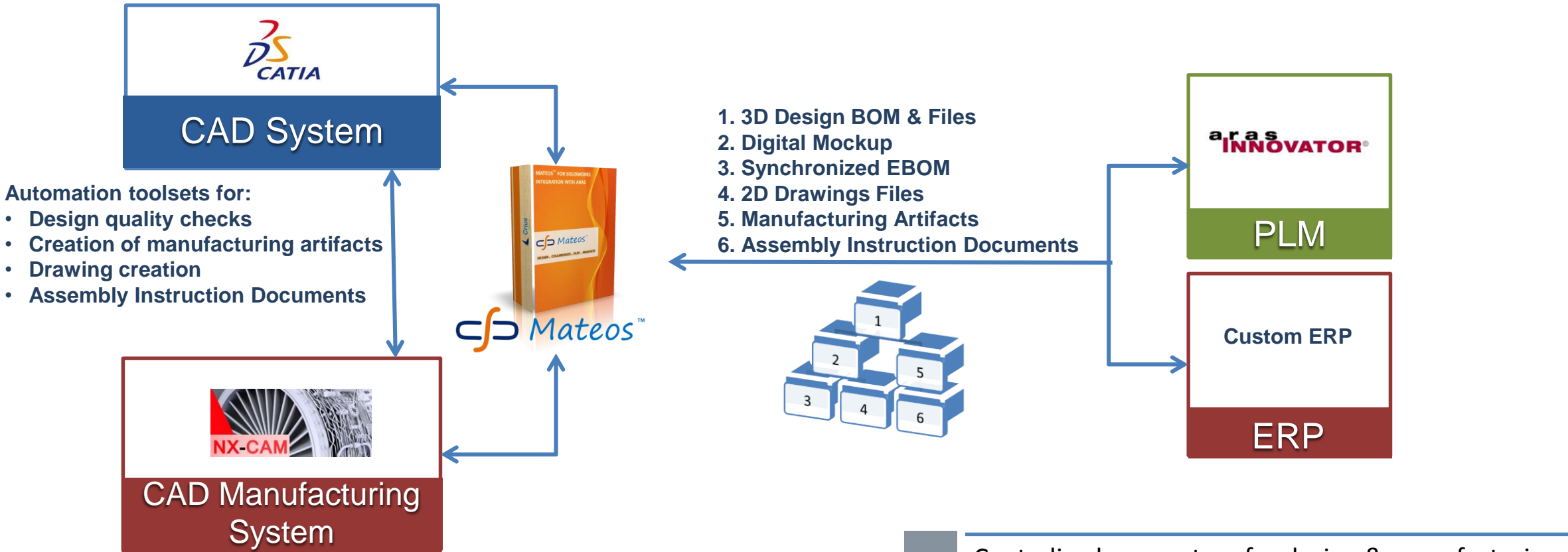
 Increased productivity by –

- Reduction in non-value add activities – manual geometry conversions, corrections, drawing creation
- Features assisting in designer & manufacturer decisions
- Data synchronization between systems

 Increased employee & customer satisfaction due to –

- Maintaining a single source of truth for design and manufacturing
- Business process automation – for design, DFQ and manufacturing
- User experience

## The Need: Integrated Design & Manufacturing eco-system for the entire organization



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|--------------------------------------|--|
| B<br>E<br>N<br>E<br>F<br>I<br>T<br>S | Centralized eco-system for design & manufacturing  |
|                                      | Seamless assets collaboration across systems       |
|                                      | Increased productivity, data integrity and quality |
|                                      | Reduced design timelines and operational costs     |

