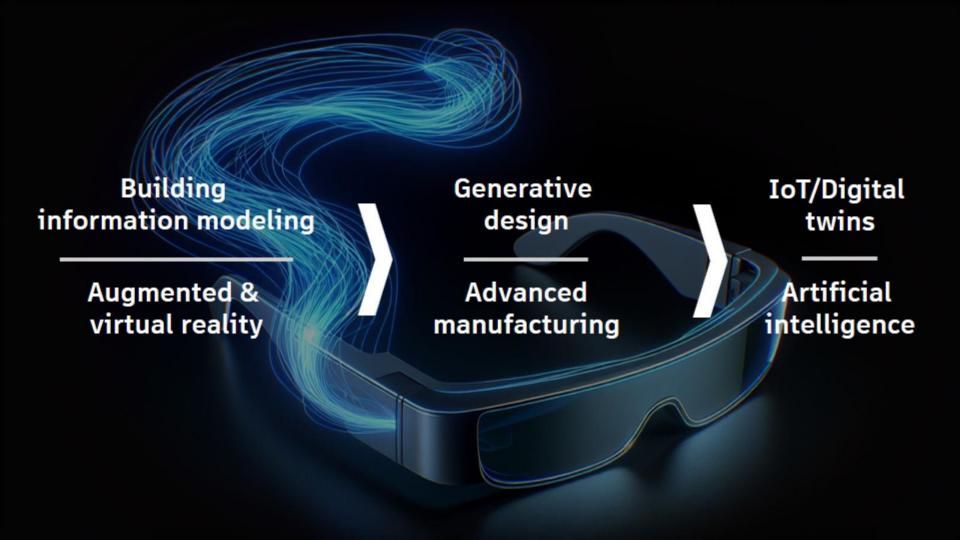


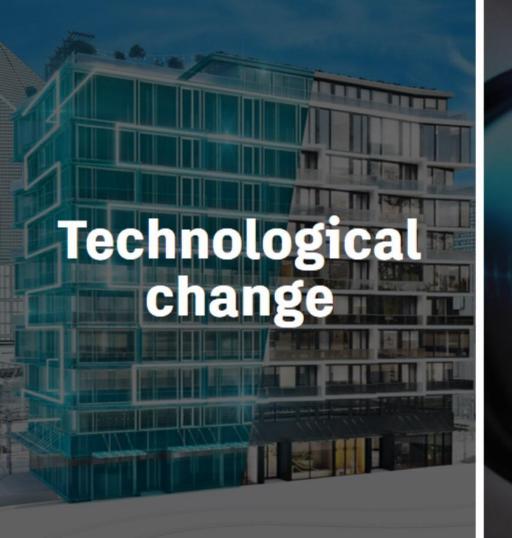
Building a foundation for informed decisions

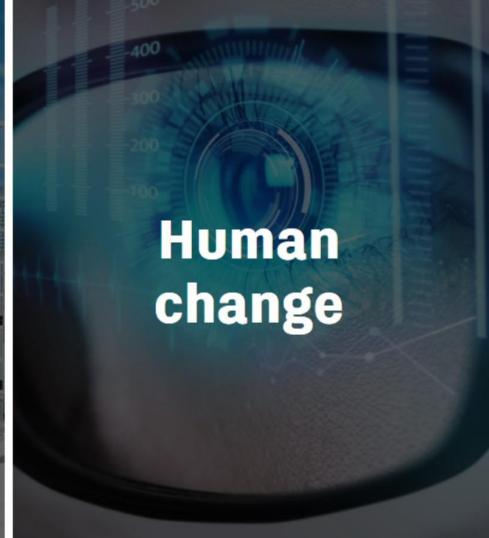
Demir Ali, Senior Solutions Engineer
Design & Manufacturing | Autodesk











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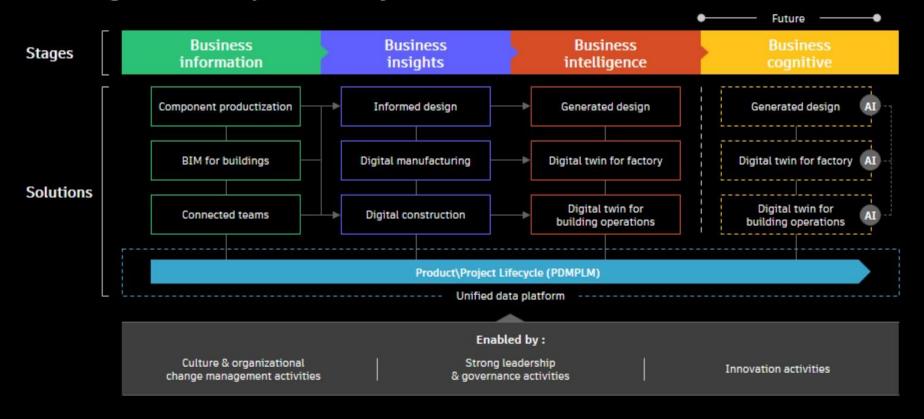
A

ransformation & competitive separation

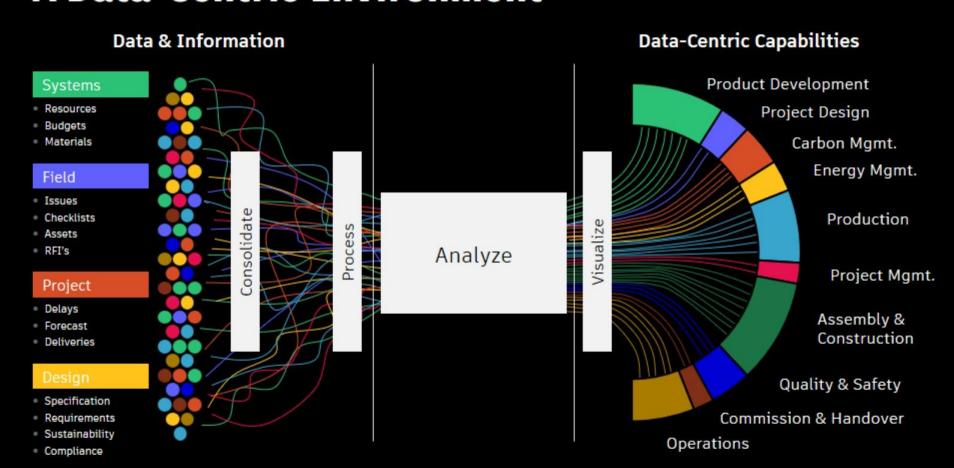
> Performance & Digitalization

Data-Centric Solutions

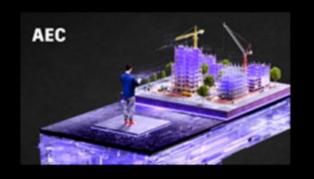
Delivering advanced capabilities to your business

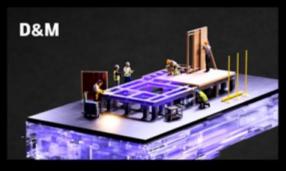


A Data-Centric Environment



An industry in transition...







79%

76% 83%

Future growth of the company will depend on digital tools

Companies' investment in the coming years...

70%

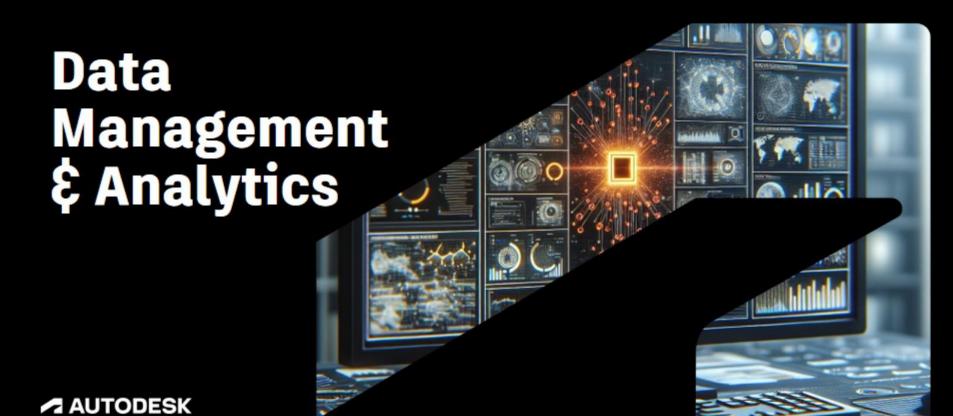
in data management and analytics

73%

in product and service innovation

74%

In technology to deliver project outcomes

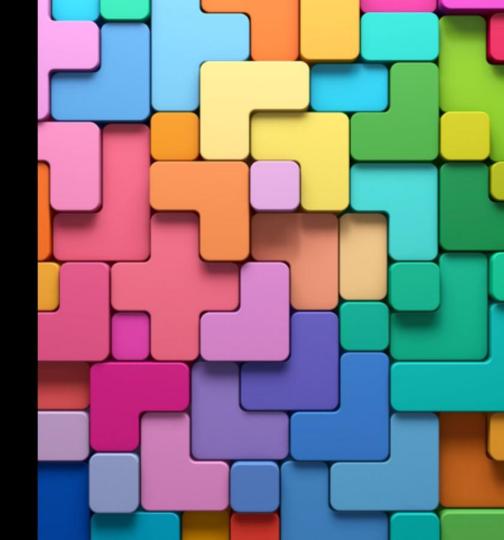


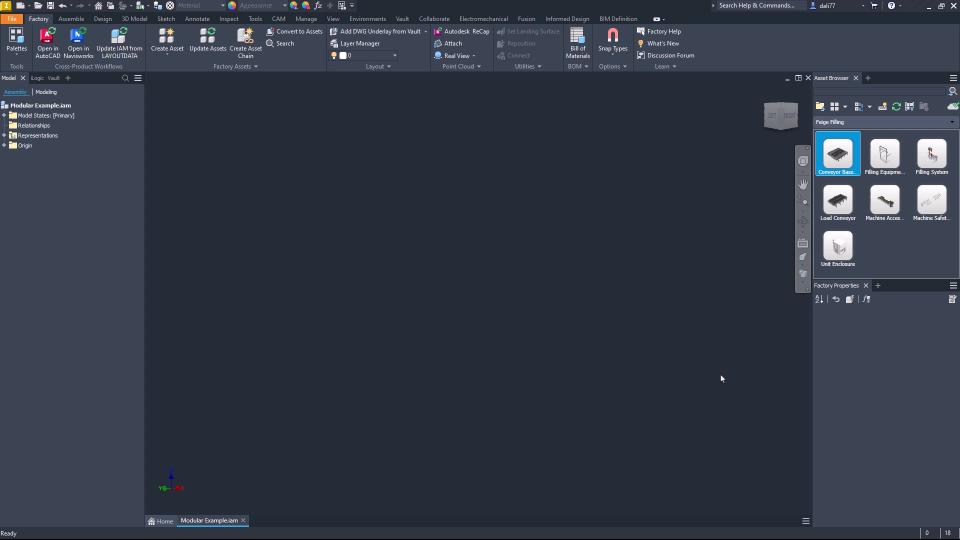


Product Configuration

Improve Sales Cycle Time

- Capture engineering intent, helping ensure knowledge is retained whilst delivering consistency and improving project delivery timelines
- Enable designers to spend more time working on innovative projects rather than low-value repetitive tasks.



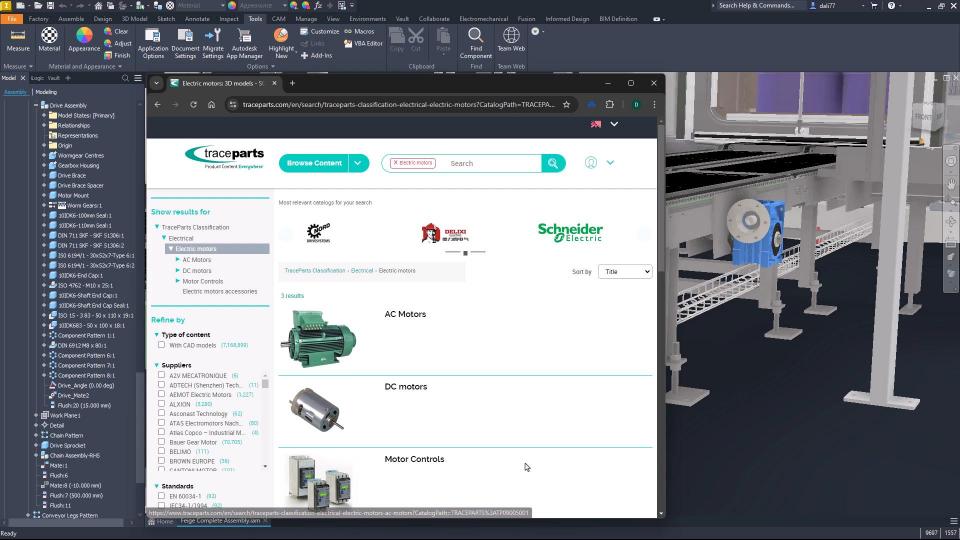


Data Management

Improve Time to Market

- Reduce duplication of efforts and information by utlilising a common environment to manage and maintain all design-related information.
- Increase stakeholder visibility and insights into all associated data required to develop and deliver projects on time.





Supply Chain Collaboration

Improve Supply Chain Agility

- Streamline external documentation in a managed environment.
- Enable suppliers to participate in managed processes such as design review, requirements, quality assurance (QA) and request for quote (RFQ) processes.







9410-000 - Main GA REV:w

Design Reviews

Comments	Files	ВОМ	Actions
Requirements			
Issues			
			,
Concerns			
Concerns		I	
			,
Alternatives			



AUTODESK

Product & Service Innovation



38%

increased demand for a digital experience

Design Communication

Increase Market Share

- Increase revenue opportunities by connecting product data and documentation to all downstream consumers.
- Deliver information in an easy to consume environment - providing extended customer engagements and support requirements.



Product Categories



Industrial Machinery

Single machines or full installations for organizations such as OEMs (Original equipment manufacturers) and engineering companies as well as production companies.



Building Products and Fabrication

Fabrication of sustainable building materials, supplies, and construction products and projects



High-technology products

Designing and developing products and key components for the high-tech and the consumer industry that are innovative and highly reliable.



Automotive parts and modules

Industry-leading automotive parts, modules and systems.

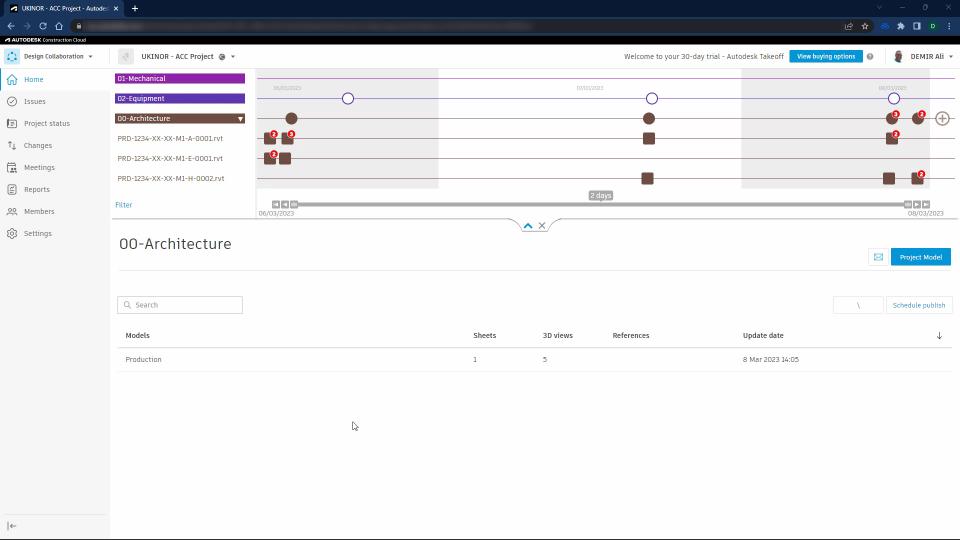


Model Coordination

Reduce Errors and Rework

- Improve coordination across multiple disciplines / subcontractors by automating model checks and tracking related issues.
- Reduce time spent on resolving problems, avoiding costly rework and undocumented onsite rectifications.

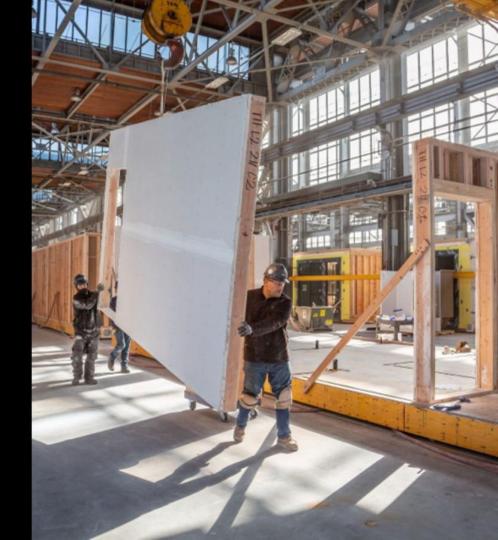


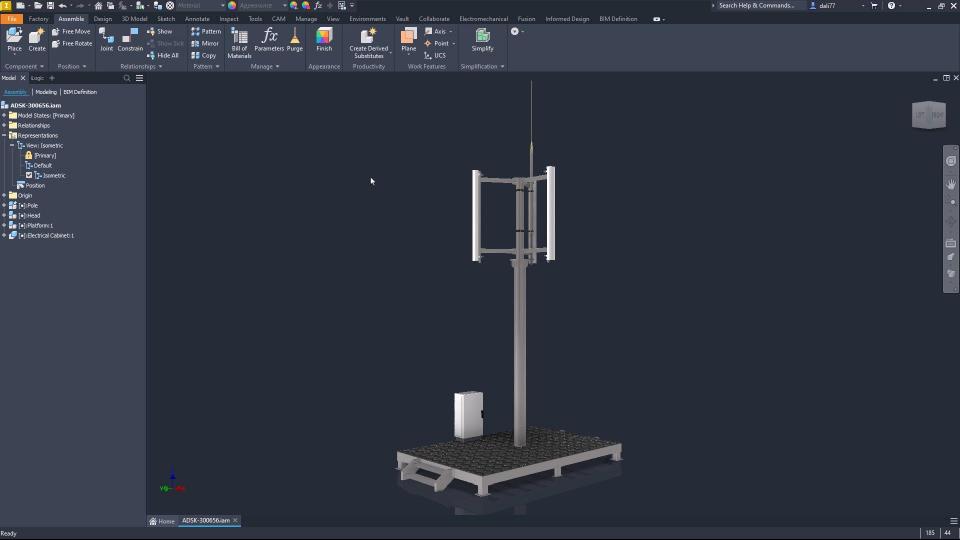


Design for Manufacture

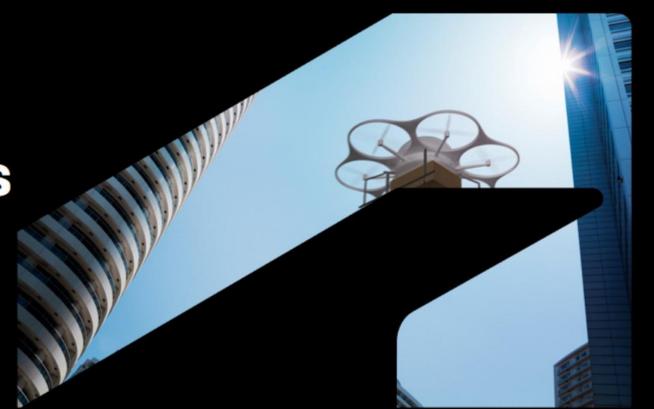
Increase Product Development Agility

- Leverage manufacturing models to help design building projects faster, whilst ensuring products are feasible within the selected constraints.
- Connect architectural projects with the manufacturing data enabling greater collaboration and reduced rework downstream.





Deliver Project Outcomes





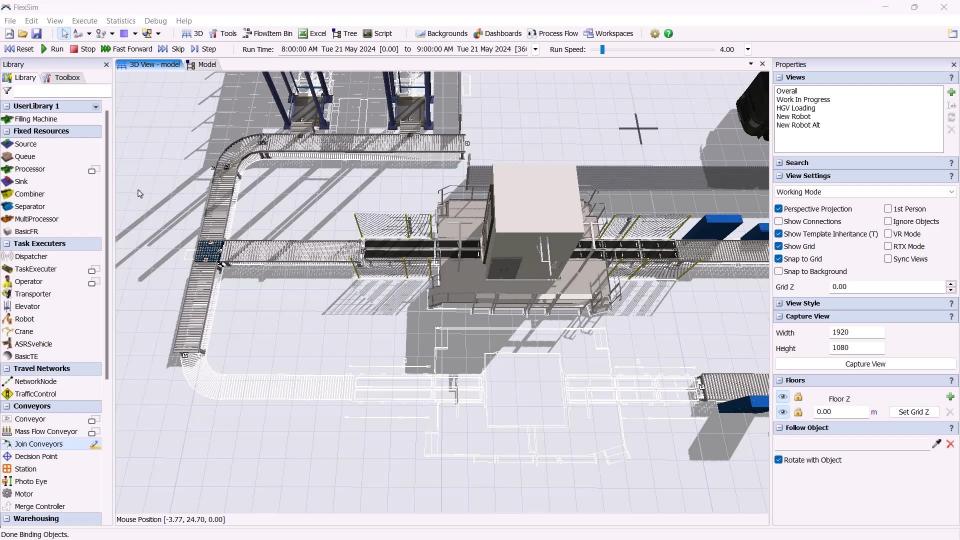
600 demand for greater delivery speed

Manufacturing Process Simulation

Increase Manufacturing Flexibility

- Combine insights to understand the overall factory performance and compare planned to reality.
- Simulate movements, material flows, process simulations and further production emulations.
- Understand process and asset effectiveness to enhance the facility throughput and resource allocation.



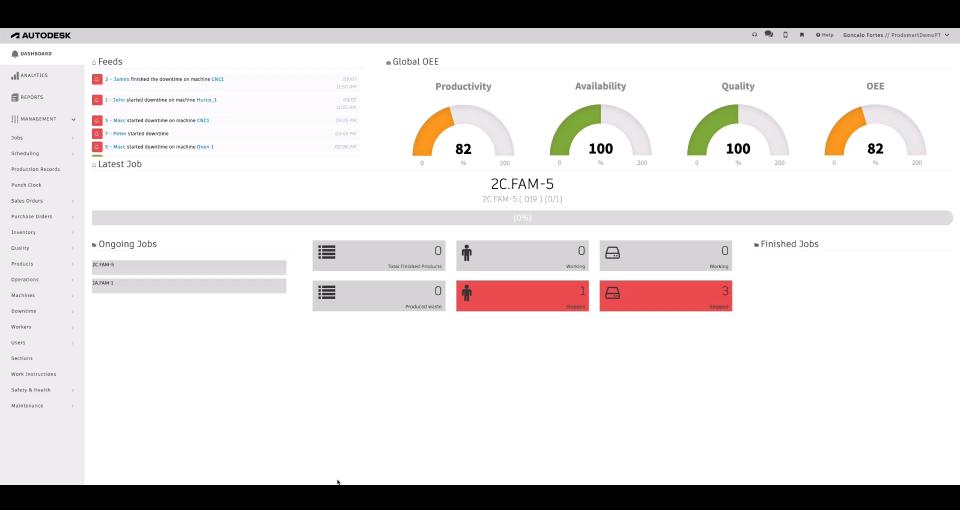


Production Management

Increase Manufacturing Throughput

- Monitor and manage manufacturing processes to help improve productivity, accuracy, repeatability, safety and quality.
- Access real-time factory floor information, enabling faster data driven decisions.





TRANE TECHNOLOGIES

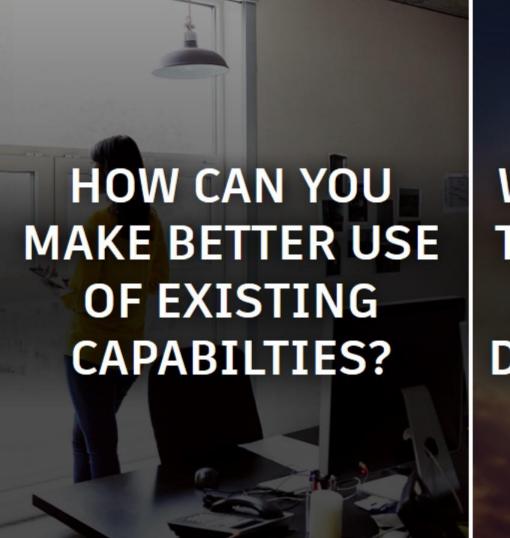
Accelerating time to market

"

By introducing a standardised approach, Trane has benefited from, 4,780 hours/year of additional machine capacity, a 26% reduction in part costs and a reduction of 7 weeks in the product development process.







WHAT CAN YOU DO TO ENHANCE YOUR COMPETITIVE DIFFERENTIATION?

What Next?

- Talk to us today whilst we're here
- Speak to your NTI representative
- Attend the breakout sessions
- Get in touch

Thank You

Demir Ali

Senior Solutions Engineer Design & Manufacturing Autodesk

demir.ali@autodesk.com





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