

Digital Industries Software

Accelerate Equipment Design

Be faster, despite more design variants and growing complexity

Shorten time-to-market while increasing design quality. Master complexity and reduce risk.

[Learn more at siemens.com/aed/ebook](https://www.siemens.com/aed/ebook)



5-20%
Cost Savings



Reduce processing time
50%

"In the past, it took us about 1 year from concept to production, and today we have cut that down to 3 or 4 months."
-Amazon: Agricultural equipment manufacturer



Increased customization and complexity make **time-to-market** critical to secure margins

Industry trends are increasing the complexity of heavy equipment

Market globalization



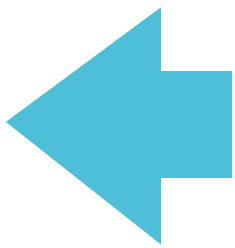
Electrification



Connected worksites



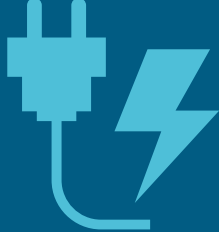
Autonomous operation



Manufacturers must SHIFT LEFT - You can only master complexity if you take control during the design stage.

Take control of multi-disciplinary design

Collaborate smoothly with an integrated design process



Driving **mechanical** design, **electrical** and electronics systems design and **software** development simultaneously is the only way you can be effective and escape from endless iterations.

Deploy an integrated, multi-disciplinary design approach, consisting of tools and workflows in which all stakeholders can collaborate on shared comprehensive multi-disciplinary models and common data.

Differentiate based on customized requests

Boost efficiency by driving commonality and reuse



Base product configurations on business-driven decisions prior to and independent from design.



Efficiently turn individual requests into a new machine or a detailed, precise and competitive bid for configure-to-order (CTO) and engineer-to-order (ETO) business models.

Achieve and prove design excellence

Build a solid brand and become a **market leader**



Help your customers achieve their goals and be compliant by understanding regulations and keeping all design stakeholders continuously focused on the requirements.



Ensure that you're meeting industry standards by following a systematic verification and validation approach.



Reduce risk by connecting all stakeholders across the program through a single source of truth.



Follow a systematic and traceable approach to program management to efficiently track project status and manage change.

Accelerate Equipment Design



- Reduce engineering time by removing design silos
- Deliver agility while managing customization and globalization
- Reduce time-to-market while improving design quality

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