

FROM BOTTLENECKS TO BREAKTHROUGHS: CUTTING DEVELOPMENT TIME BY OVER 60% WITH MODSIM

Kim, an R&D manager at a leading industrial equipment manufacturer, faced the challenge of reducing product development cycles amid growing complexity and tighter deadlines. The team was using a traditional simulation process, using separate CAD and CAE tools connected by a shared database.

On paper, it seemed integrated. In reality, it wasn't.

Every design change triggered a slow process: geometry re-exports, simulation model rebuilding, and manual data checks. Each tool used its own data model, causing inefficiencies, errors, and delays. Poor interoperability cost weeks resolving inconsistencies, slowing progress and innovation.

The breakthrough came with MODSIM.

The transition to MODSIM significantly improved the development process of Kim's team. MODSIM offered a **single, unified environment with a common data model** for design and simulation, where design updates automatically generated simulation updates. This eliminated redundant work, reduced errors, and enhanced efficiency with built-in traceability and real-time collaboration.

The outcome? The development process took half the time.¹

Freed from the constraints of disconnected tools, Kim's team could concentrate on innovation. Tasks that previously took weeks were now completed in days, and simulation became a driving force rather than a bottleneck in the design process.

MODSIM transformed not just the speed but the entire dynamic of their development workflow.



60% reduction in product development and lead time¹



Early checks avoid late failures



Speeds innovation, cuts uncertainty²



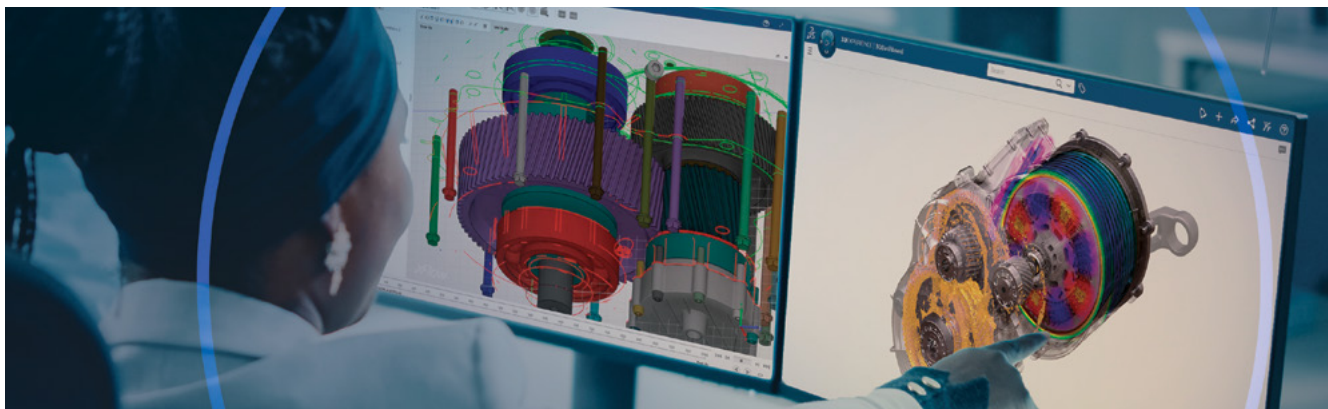
35% faster time-to-market³



AI-driven MODSIM enables first-time right design decisions

Imagine what these results could mean for your business.
Enhance your engineering efficiency and chart your path to excellence.

1—Knust-Godwin, METSÄ BOARD, AIRBUS, 2—Knust-Godwin, Assystem, METSÄ BOARD, AIRBUS, 3—OPPO



Across industries, engineering leaders are under pressure to deliver faster innovation, better products, and greater efficiency. Yet common objections often stand in the way of transformation. **MODSIM was designed with these realities in mind—and solves them with a unified, scalable, and flexible approach.**



Simplified for Designers

"Simulation is too complex for designers."

MODSIM offers **ready-to-use templates and preconfigured workflows**, enabling designers to confidently run simulations without needing deep expertise. This drives earlier design validation, reducing late-stage changes and rework.



CAD Neutrality and Integration

"We already use another CAD system."

Already using a different CAD system? This is not an issue. MODSIM integrates seamlessly with CAD tools*, allowing continued use of existing systems while benefiting from a unified simulation and data environment.

*CATIA V5, SolidWorks, NX, Creo Parametric, Inventor, SolidEdge



Empowering Simulation Analysts

"Analysts fear loss of control or relevance."

Far from replacing analysts, MODSIM elevates their role. With **integrated high-end simulation tools** and a **unified data model**, analysts become **process architects**, building reusable workflows and focusing on high-value, complex analysis—now with **greater visibility and impact** across the organization



Hybrid Adoption Strategy

"Switching tools sounds risky and disruptive."

MODSIM supports a **flexible, hybrid transition**, allowing teams to gradually adopt the **3DEXPERIENCE** platform without abandoning proven tools or workflows—minimizing disruption and maximizing the return on investment.

MODSIM is not just a tool—it is an enabler for engineering transformation. It offers the speed, scalability, and agility that modern product development demands.

MODSIM—Accelerate Innovation. Reduce Risk. Drive Growth.

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' **3DEXPERIENCE** platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

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**Virtual Worlds
for Real Life**

