TATA TECHNOLOGIES

Advance Design Exploration & Make Decisions Earlier with Simulation-Driven Design
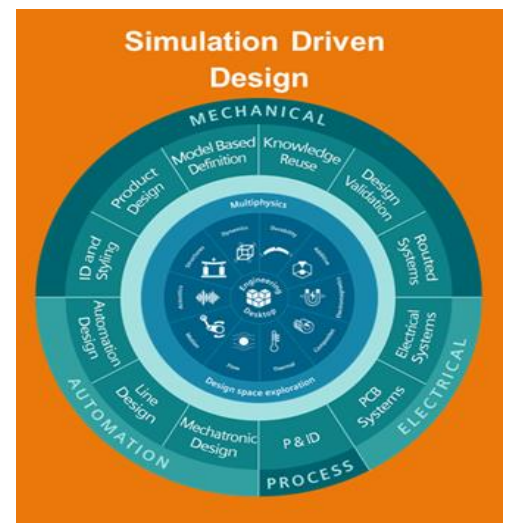
Introducing Siemens Simcenter 3D:

A centralized Engineering Desktop solution with the most comprehensive range of CAE (Computer-Aided Engineering) applications for various physics domains. Integrated with NX (synchronous modeling), Simcenter 3D offers a seamless experience, allowing designers to leverage Synchronous Modeling tools for quick editing of geometric features.

Revolutionize Your Product Development with Simulation-Driven Design

Simulation-driven design is transforming traditional design methods, unlocking new levels of innovation and efficiency. Once limited to performance validation, simulation has now become a crucial part of the entire development process—from initial concept to final product delivery. This shift allows companies to innovate more effectively and bring higher-quality products to market faster.

Benefits of Simulation-Driven Design:

- **Accelerates the overall design cycle:** Streamline processes, enabling your designers to explore new concepts and refine existing ones.

- **Enhances product quality:** Deliver higher quality, longer-lasting products that resonate with consumers.

- **Optimizes performance and durability:** Improve product quality and customer satisfaction by optimizing performance, enhancing durability, and reducing material waste.
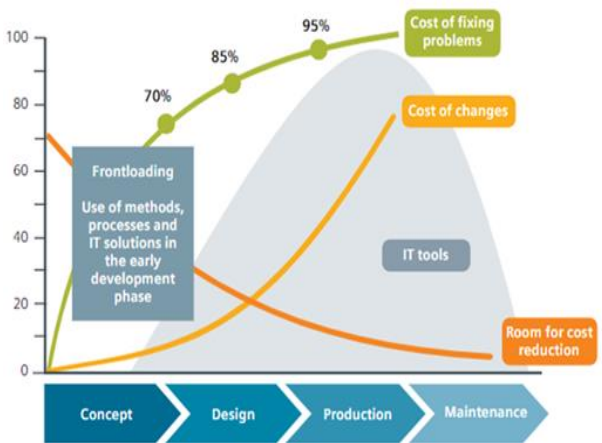

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Front-Loading CFD with Simcenter FLOEFD

The integration of simulation tools at the onset of the design process has become indispensable. Among these tools stands Simcenter FLOEFD, a leading computational fluid dynamics (CFD) simulation software that empowers engineers to front-load CFD analysis.

Benefits of Front-Loading CAD-Embedded CFD:

- **Better alignment with product requirements:** Tailor designs more closely to achieve specific goals.

- **Reduces downstream development delays and costs:** Early simulation significantly reduces downstream testing, prototyping, and change orders.

- **Satisfies customer and regulatory requirements:** Ensure compliance early in the design phase.

- **Reduces product lifecycle costs:** Identify optimization opportunities early, leading to lower maintenance and operational costs.

- **Drives production costs lower:** Optimize designs upfront to improve profitability.

- **Accelerates time to market:** Get your products to market faster.

Unlock the Power of Simcenter 3D Value-Based Licensing

Experience unparalleled flexibility and cost efficiency with Simcenter 3D's Value-Based Licensing. Access a wide range of simulation tools without the need to purchase individual licenses. By using a token-based system, you can seamlessly adapt to changing project needs, trial new capabilities, and optimize your investment. Whether you are a small team or a large enterprise, Value-Based Licensing empowers you to maximize productivity and stay ahead in the competitive landscape.

Versatility and Significant Cost Savings

Simcenter 3D's Value-Based Licensing offers significant cost savings. Traditional module-based licensing for eight applications would require 21 separate licenses. In contrast, 700 tokens in the value-based licensing system can cover the same usage, resulting in up to a 40% savings.

The token-based approach adapts seamlessly to your project needs while streamlining the product development process. Most Simcenter 3D and Simcenter Nastran products are compatible with this token licensing system, making it a versatile choice for businesses.

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Tata Technologies

Insight Directs the Journey

Tata Technologies is a global leader in product development, IT, and engineering services. Serving the global manufacturing industry, we enable manufacturing companies to design and build better products. Our deep expertise in the Automotive, Aerospace, and Industrial Heavy Equipment industries, among others, affords our customers expert guidance and successful business outcomes.

Expertise Delivers Results

A company of innovators and specialists in product design and engineering, our seasoned professionals have decades of experience delivering increased efficiency, enhanced productivity, and cost savings. Our customers consider us their trusted advisors for: PLM software, engineering and design, analysis and modeling, factory automation, process design and simulation, and customer service solutions.

Tata Technologies and Siemens Digital Industries Software

Tata Technologies is an award-winning Siemens Digital Industries Software Platinum partner since 1997. As a reseller, implementor and trainer of Siemens technology, we offer IT services and expertise for these software solutions:

- **NX CAD**
- **NX CAM**
- **Teamcenter**
- **Femap**
- **Simcenter**
- **Tecnomatix**
- **Solid Edge**

Not seeing the software solution you need? We will collaborate with partners who specialize in the specific Siemens software solution in which you are interested.

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Why Tata Technologies for Siemens Software?

Two major automotive OEMs trust Tata Technologies with the support and maintenance of their Teamcenter installations. Our global workforce of over 300 PLM professionals support Teamcenter and NX for our customers across the globe. We can enhance your digital capabilities with our IT Services and our specialized software training can ensure your team is ready for success.

Our lines of service include:

- Complete Implementation Services
- Cloud, On-Premises, and Managed options
- Data Migration and Integration
- Upgrades
- Education and Support
- Build Factory
- Business and Process Consulting
- Interface to Manufacturing

Expert Partner

Digital Industries Software

SIEMENS

Experience the Tata Technologies Advantage

Talk to our software experts to discuss your challenges in product development and simulation. Ask us the tough questions and we will answer with practical solutions.

Partner with Tata Technologies for unparalleled expertise, proactive and reliable customer service, and a commitment to excellence.

Contact us today!

Visit our website: www.tatatechnologies.com/us/siemens/.

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