

# A catalyst for digital transformation

## The Xcelerator portfolio from Siemens Digital Industries Software

### Benefits

- Accelerate your transformation to a digital enterprise, optimizing business performance while building resilience and agility
- Leverage an open ecosystem of collaboration and innovation
- Turn complexity into your competitive advantage

### Overview

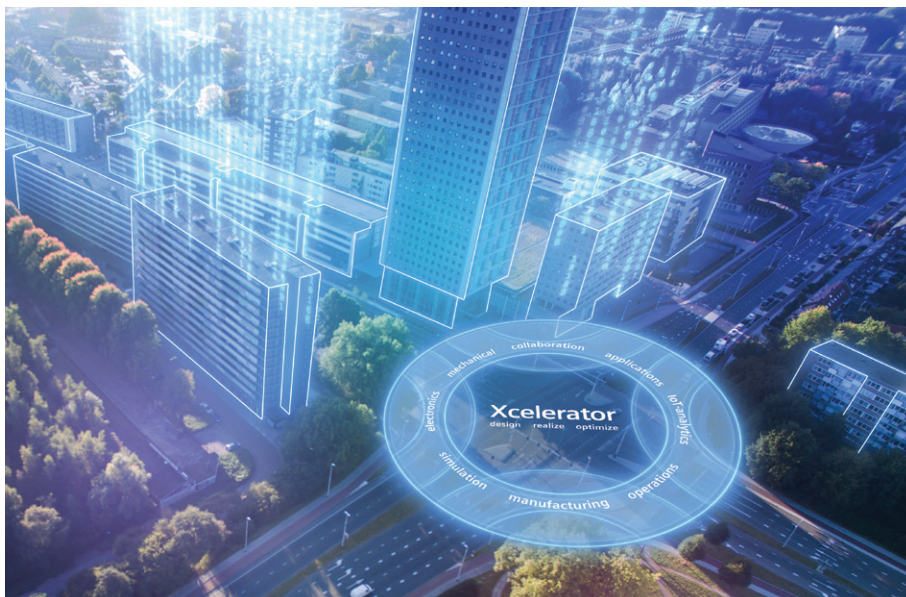
Xcelerator is our comprehensive, integrated portfolio of software, services and an application development platform. The portfolio accelerates the transformation of businesses into digital enterprises and unlocks a powerful industrial network effect – essential requirements to leverage complexity as a competitive advantage, no matter the industry or company.

The Xcelerator portfolio encompasses software solutions that support an array of engineering disciplines, such as mechanical, electronics or software design tools, simulation environments and manufacturing operations planning and management solutions. Xcelerator also contains software and services that help improve and evolve processes, including product and application lifecycle management solutions, low-code application development and cloud-based analytics. Finally, native integrations between the engineering and process solutions ensure that data can flow freely.

### Harnessing complexity to achieve operational excellence

Tomorrow, industry will be shaped by a network of digital enterprises - from startup companies to enterprise-scale participants. These digital enterprises will share data and collaborate in the design, manufacture and deployment of products and processes across discrete and process industries. As companies work towards this vision, three critical business imperatives have emerged that will drive operational excellence and digital transformation:

**Comprehensive digital twin.** The comprehensive digital twin is at the center of digital transformation. It comprises a digital fabric at varying levels of abstraction from product design, manufacturing and in-field utilization data from the IoT. By working across engineering boundaries, the comprehensive digital twin enables cross-domain engineering, virtual validation and continuous product and process improvement through a



a closed-loop feedback system supported by cloud-based analytics.

**Personalized, adaptable solutions.**

Every organization faces unique challenges and, therefore, demands tailored solutions and a customized point-of-entry to digitalization. These solutions must adapt to each company's digital roadmap and unique characteristics, such as geographical distribution and organizational experience with specific tools. Adaptable solutions empower companies to derive insight and accelerate digitalization by connecting new and legacy systems, automating processes and facilitating data analytics.

New low-code and no-code application development platforms are a critical component. Mendix, part of the Xcelerator portfolio, delivers the most robust low-code and no-code application development environment. This platform opens up the ability to drive business transformation through custom software applications. Now, employees of all experience levels can create applications to fit their needs.

**Open, modern ecosystem.** As products become more complex, companies will need to create new connections both within and beyond their organization to leverage technology and experience from around the industry. This industrial network effect brings buyers, developers, designers, production houses, sub-contractors, suppliers and more together in a global ecosystem with hubs of innovation and collaboration. Tight integrations with this industrial network will be a key characteristic of thriving a digital enterprise.

The Xcelerator portfolio enables companies to adopt these imperatives quickly and with predictable outcomes as part of their digital transformation. Xcelerator delivers benefits across both the design-manufacture-optimize flow

and traditionally disparate engineering domains, such as electrical, mechanical, production planning and the Industrial Internet of Things (IIoT). Furthermore, thanks to its integrated digital twin and model-based system engineering (MBSE) capabilities, Xcelerator facilitates the coordination of suppliers, partners and industry-specific ecosystems, enabling customers to optimize value chains from product design, development and production, to post-sale enhancement.

**Prepare for tomorrow**

Xcelerator helps companies embrace complexity and use it to their competitive advantage. At its core, Xcelerator is a portfolio of software solutions that are designed to help companies achieve better results, faster. Powerful engineering software enables innovative product and manufacturing design while robust MBSE and digital thread capabilities ensure that data is accessible when and where it's needed, throughout the design, production and utilization flow. Cloud-based analytics and low-code application development enable data collection and analysis from the factory floor and products in the field, integrating actual usage data back into product development.

More than engineering software solutions and services, companies also gain a trusted technology partner in Siemens Digital Industries Software to help guide and support their digital transformation. As a global partner, Siemens is uniquely qualified. With over 30 factories – only Siemens provides the infrastructure and a wealth of industrial experience to support transparent, efficient and effective co-development between engineering and process domains. Working with Siemens enables companies to achieve enterprise digitalization faster and more securely as each company becomes better together.



The more digital our world becomes, the faster organizations need to adapt to a new industrial landscape. Tomorrow, companies will need more than advanced engineering and IT solutions. They will need to undertake organizational transformation and engage in peer-to-peer collaboration to drive success in the future. With the Xcelerator portfolio and a breadth of industrial experience, Siemens Digital Industries Software is unique in its ability to drive digital transformation and foster collaboration in all industries and companies, regardless of size.

In sum, Xcelerator is where today meets tomorrow.

**Siemens Digital Industries Software**  
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