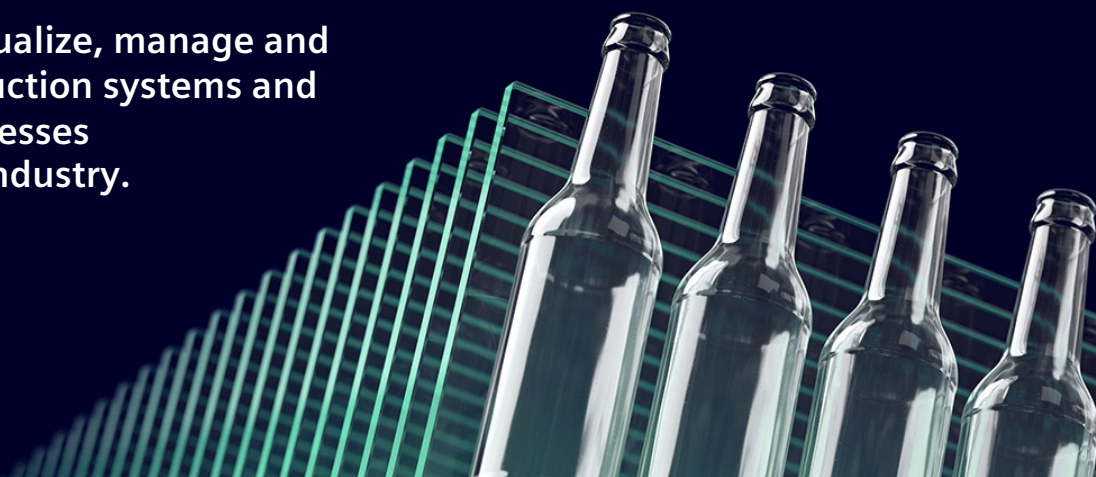




Digital twin

Simulate, visualize, manage and control production systems and logistics processes in the glass industry.



The challenge

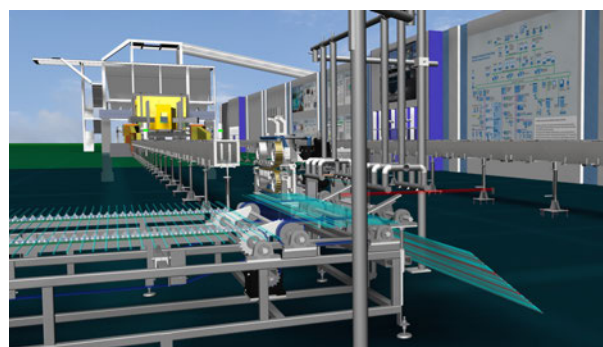
In times of increasing cost and time pressure in production as well as advancing globalization, logistics has become a key factor for the success of a company. The need to deliver on time and in sequence, introduce lean production principles, plan and build new, sustainable production facilities and manage global production networks requires objective decision criteria that help management to evaluate and compare alternative.

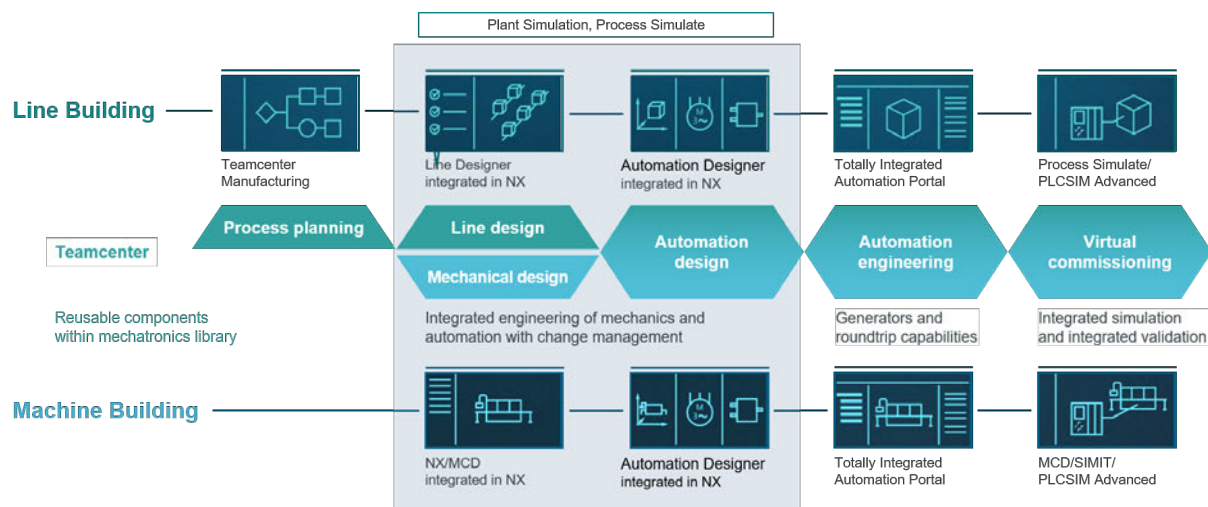
The solution

With Tecnomatix Plant Simulation you can create a digital model of your production systems and logistics processes. This allows you to examine the system properties and optimize your performance. The digital model not only allows users to conduct experiments and what-if scenarios without disrupting an existing production system, but it can also be used in the planning process long before the real system is installed. Extensive analysis tools, statistics and diagrams enable users to evaluate different production scenarios and make fast, reliable decisions in the early stages of production planning. Object-oriented architecture and powerful modeling capabilities allow you to create and maintain highly complex systems, including advanced control mechanisms. This allows you to create a well-structured picture of production buildings, lines and processes.



Tecnomatix Plant Simulation with PLCSIM Advanced is the powerful combination from Siemens to address a wide range of different applications in virtual commissioning. Automated production lines and material flow systems can be dimensioned and optimized.





Improved productivity
of existing facilities



Reduced operating cost
through standardization



Reduced inventory and
shortened throughput time



Optimized system dimensions,
including buffer sizes



Lowered investment risk
through early proof of concept



Maximized use of manufacturing
resources

Available Productportfolio	Additional Information
Tecnomatix	siemens.com/tecnomatix
TIA Portal	siemens.com/tia
CPU 1500	siemens.com/simatic-s7-1500

Publisher

Siemens AG

Digital Industries

Vertical Glass

Siemensallee 84

76187 Karlsruhe, Germany

[siemens.com/glass](https://www.siemens.com/glass)

glass.digitalization.industry@siemens.com

© Siemens 2022

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract. All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners