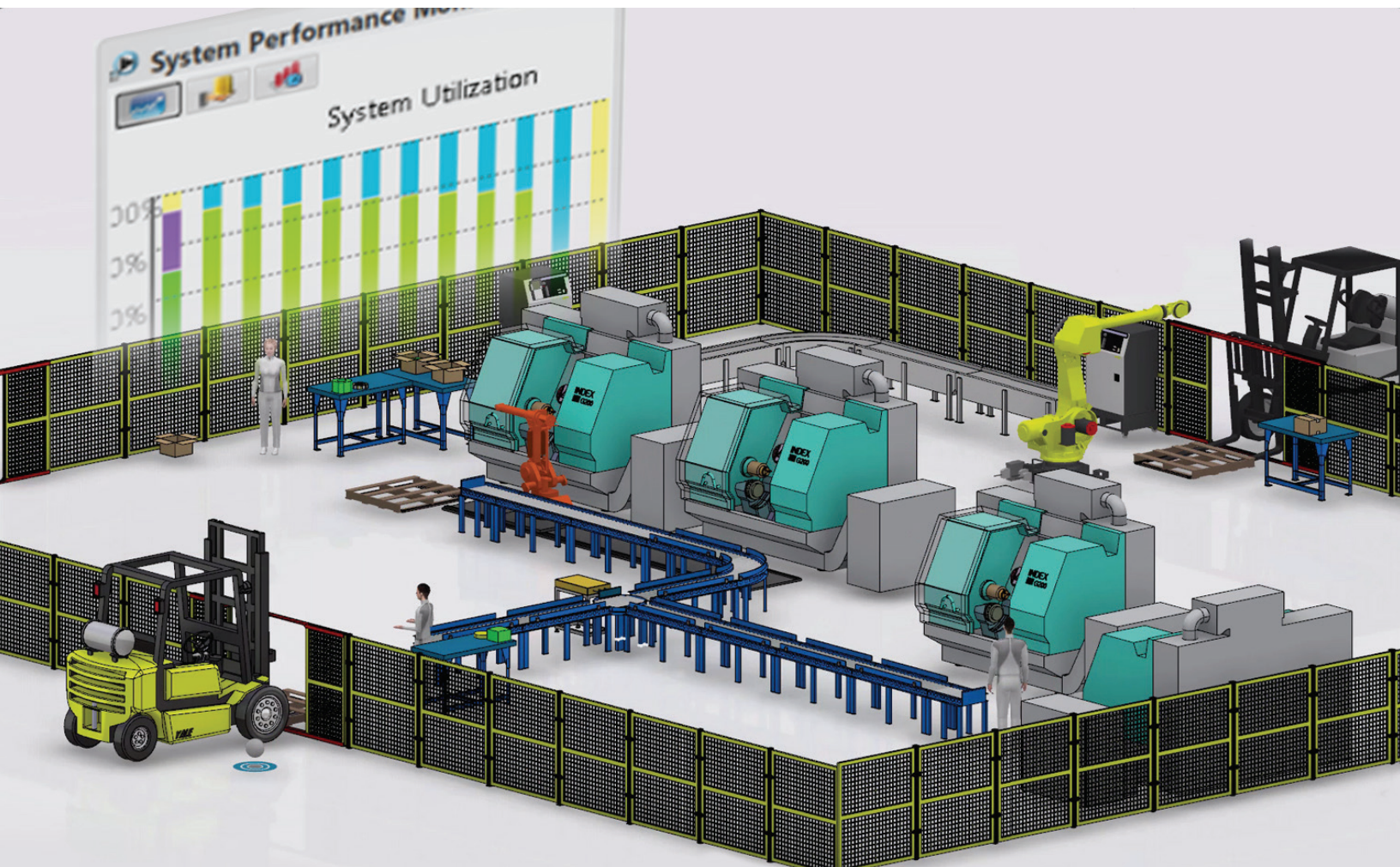


# INDUSTRIAL ENGINEER

## 3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



### DEFINE AND SIMULATE RESOURCES AND MATERIAL FLOW

Industrial Engineer delivers the ability to define and validate the behavior of a station, line or complete plant.

Industrial Engineer, based on the **3DEXPERIENCE**® platform, allows systems to be visualized in 3D as they are being designed. The performance of production systems can be assessed and fine-tuned while feasibility and performance studies are conducted. Bottlenecks are identified early in the planning process which helps to maximize production rates by implementing alternate routings.

## Material and resources flow design in a realistic 3D environment

Engineers can design factory layouts by defining, simulating and analyzing multiple production scenarios in a realistic 3D environment. They can do this with or without the availability of planning data.

## Easily generate process flow simulations with or without planning data

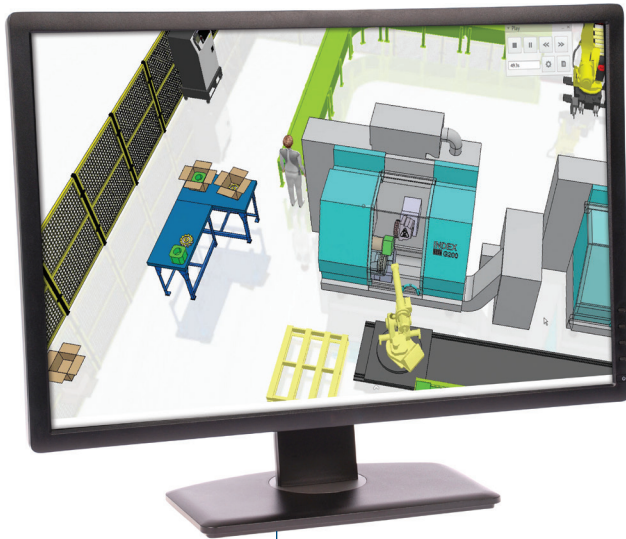
When process planning data is available, engineers can import it. Industrial Engineer includes a newly developed command that can automatically create a product flow experience from process planning data. Engineers can view their data in a realistic environment and modify and refine product flows for maximum resource utilization.

## Early recognition and elimination of bottlenecks

Engineers are provided an early view of product flows that makes it easier to make adjustments and optimize process performance with alternate product routings. Interactive what-if scenarios help identify potential bottlenecks.



Design systems in 3D



Tools to improve productivity

## Role Highlights

- Groundbreaking **3DEXPERIENCE** platform
- Modeling and simulation at multiple levels of detail
- Speedy process evaluation
- Faster behavior definition
- Position resources and design material flows
- Natively integrate robot and NC machine programs and human tasks into the model

## Our 3DEXPERIENCE Platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).



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