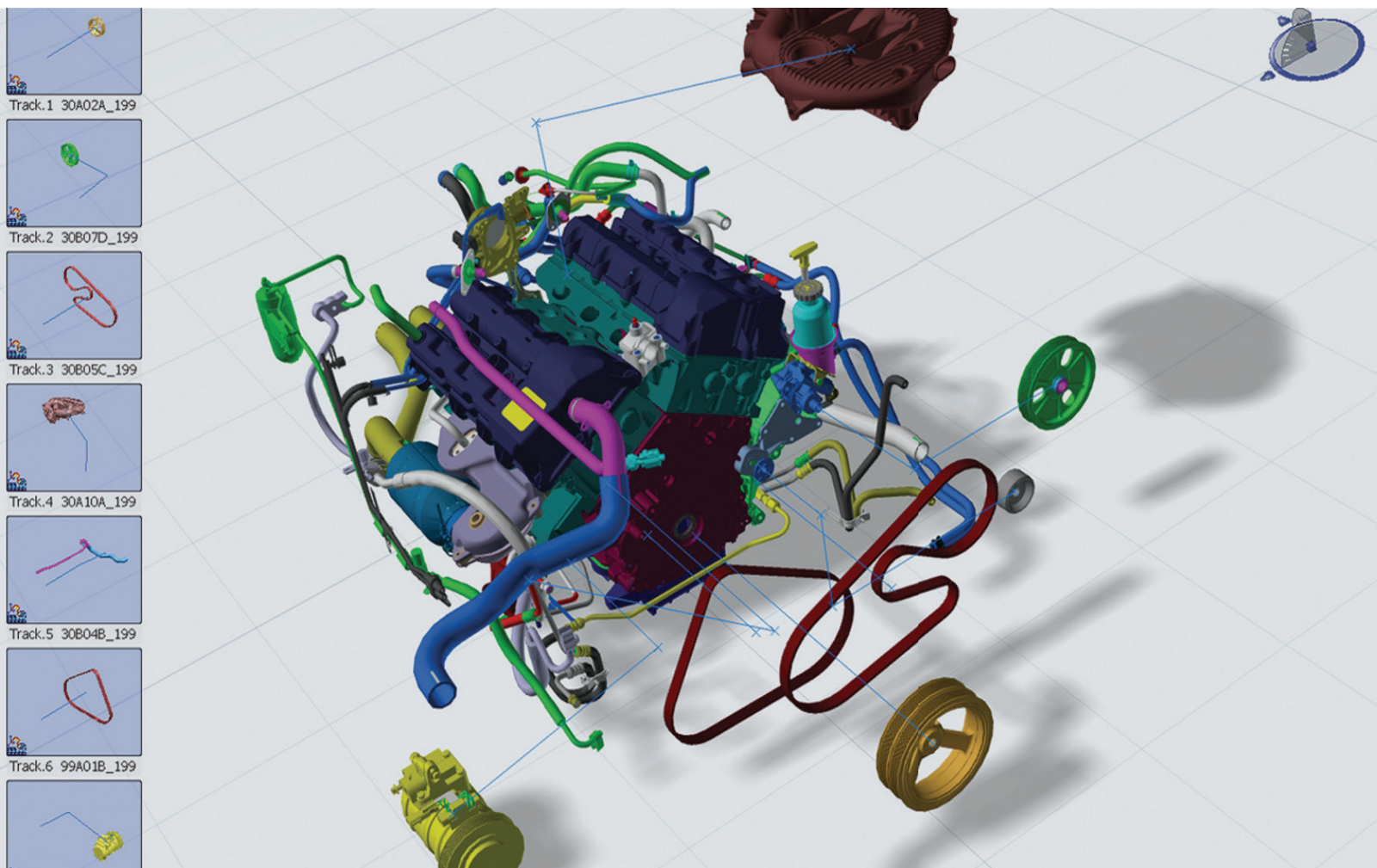


# PROCESS SIMULATION ANALYST

## 3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



### ASSEMBLY PROCESS SIMULATION FOR PRODUCIBILITY ANALYSIS

Process Simulation Analyst enables product assembly feasibility studies to be performed in 3D.

Process Simulation Analyst provides powerful, intuitive capabilities to discover potential assembly issues. These discoveries can be communicated directly to product or tooling designers or other stakeholders early, when making changes is easier and less expensive to implement. With shop floor resources and layout in 3D, the assembly process can be created, enhanced and validated in its manufacturing setting.

### Determine feasibility early in the design phase

Companies can perform assembly feasibility studies early in the product and process design phase.

### Determine assembly feasibility of manufactured parts

Users can create and simulate assembly paths of manufactured parts by leveraging the work of upstream planners who have defined the manufacturing assemblies and sequence. This allows earlier validation of manufactured parts defined early in process planning.

### Determine assembly process validation during detailed process planning

Direct access to the operations sequences and product positions as defined upstream by the process planner, helps minimize the need to set up the initial state of the visualization before assembly process detailing and validation.

### Improve assembly process plan quality

The assembly process can be created and validated in the context of the shop floor environment with a clear understanding of how it may impact the assembly plan.



Perform assembly feasibility studies with the **3DEXPERIENCE** platform



Tools that accelerate and streamline assembly planning and simulation

### Role Highlights

- Groundbreaking **3DEXPERIENCE**® platform
- Interactively create assembly trajectories
- Easily edit and modify trajectory paths
- See the product buildup, operation by operation, in the resource context
- Define assembly simulation scenarios
- Detect interference during simulation
- Design in simulation context
- Automatically generate an exploded assembly state

## 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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