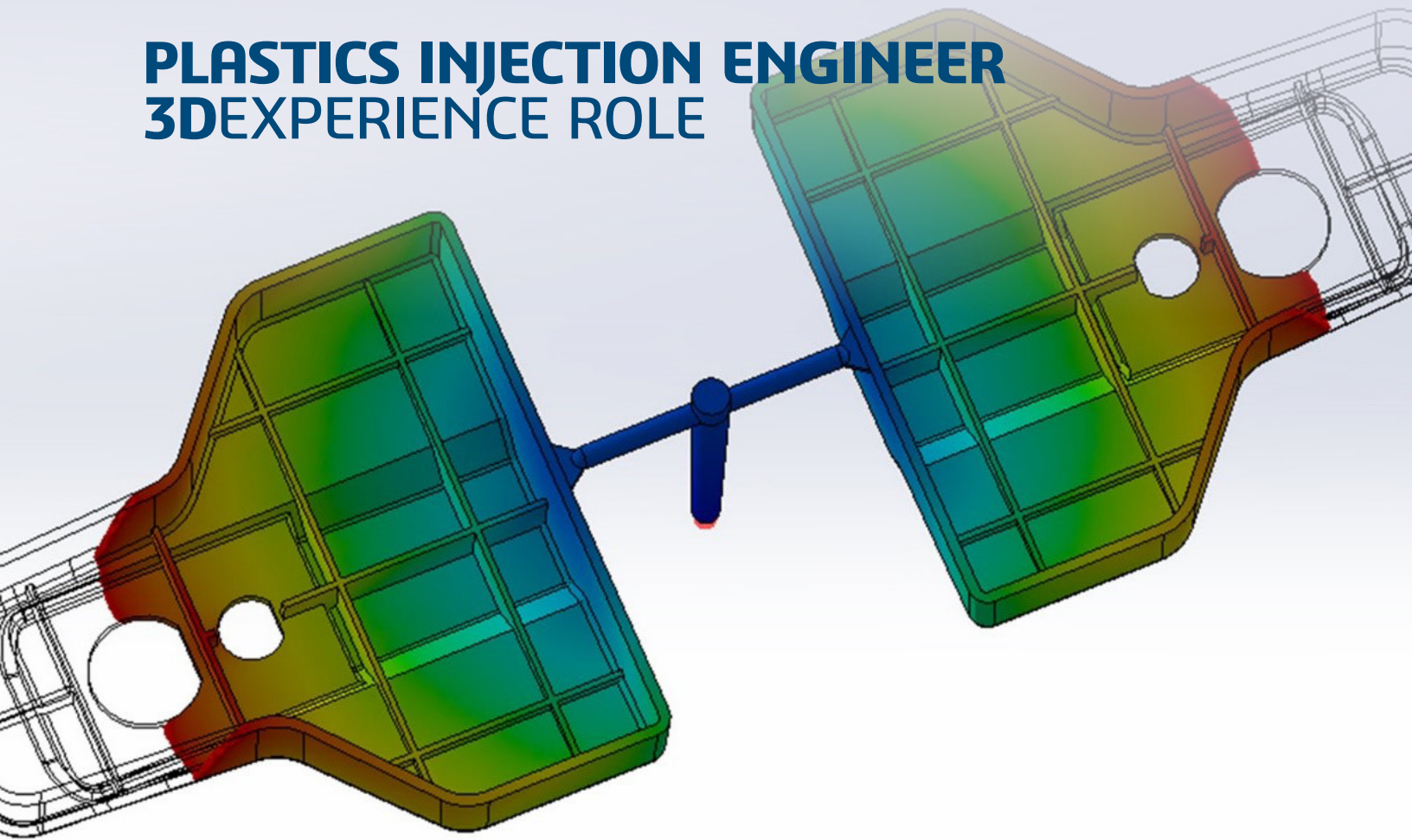


# PLASTICS INJECTION ENGINEER 3DEXPERIENCE ROLE



## EASILY AND ACCURATELY OPTIMIZE YOUR DESIGNS

Evaluate and improve plastic part and mold tooling designs by simulating the filling and packing process and the mold's cooling system, as well predict plastic part warpage.

Plastic Injection Engineer provides anyone who designs or builds injection molds an accurate, easy-to-use way to optimize them. You can leverage runner and cooling layouts created in CATIA Mold & Tooling Designer Apps or import them from any CAD system. Single-cavity, multi-cavity, and family mold layouts, including sprues, runners, and gates can be analyzed to obtain estimated cycle time, clamp tonnage, and shot size, enabling you to optimize feed system design and avoid costly mold rework. Users can analyze simple or complex mold cooling line layouts and optimize cooling system design to minimize cycle times and decrease manufacturing costs.

Plastic Injection Engineer provides a fully guided user experience tailored for Designers to perform end-to-end product design efficiently on a single collaborative environment of 3DEXPERIENCE® platform

## Key Capabilities

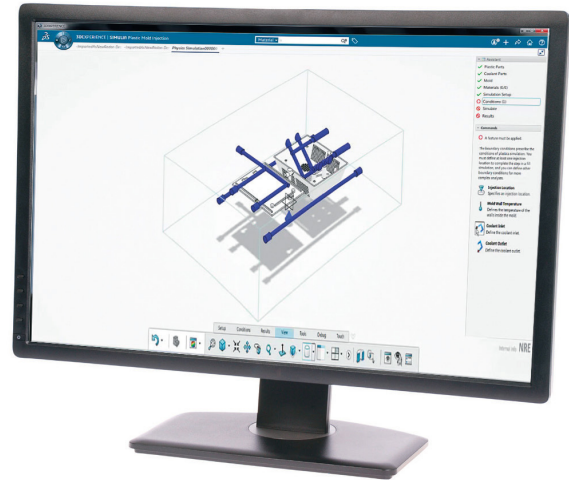
- Evaluate effectiveness of mold cooling system designs
- Integration with CATIA Mold & Tooling Design for automatic detection of injection locations, cooling systems, injection system, cavities
- Simple, easy to use interface with a guided simulation assistant to minimize the learning curve
- User Role Highlights
- Mold Cooling, Filling, and Packing simulations; Warpage prediction
- Select contributing parts for cavities, injection system, and cooling system
- Access thermo-plastic material, mold material, and mold coolant databases
- Analyze single-cavity, multi-cavity, and family mold layouts, including sprues, runners, and gates
- Analyze mold cooling line layouts
- Import cooling line layouts and runner systems designed in any CAD system
- Estimate cycle time, clamp tonnage, and shot size, to optimize feed system design and avoid costly mold rework
- Run simulations independently using restart

## Capabilities of the 3DEXPERIENCE Platform

With its growing solution portfolio and secure cloud technology, the **3DEXPERIENCE** platform enables enterprises to manage all facets of the product development process while reducing infrastructure costs, IT overhead, software maintenance and complexity. All platform solutions work together seamlessly to facilitate data management, sharing, and collaboration across your entire business ecosystem. Social Business Analyst takes advantage of the following platform capabilities:

- Securely access and share all content and analytics from a centralized, secure location in the cloud from any device. Quickly find and filter information with semantic and smart search.
- Set up tailored dashboards to aggregate essential product data and key performance indicators.

- Easily create social-media-style public or private communities to share and collaborate on ideas and projects, and publish articles and customer feedback analyses.
- Organize your knowledge base, terminology and glossary database in wiki page structure.
- Use market insight and unstructured collaboration to fuel the product definition process and define groundbreaking product roadmaps.
- Engage with your colleagues in real time using conversations, audio and video calls.



## Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).



**3DEXPERIENCE**

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