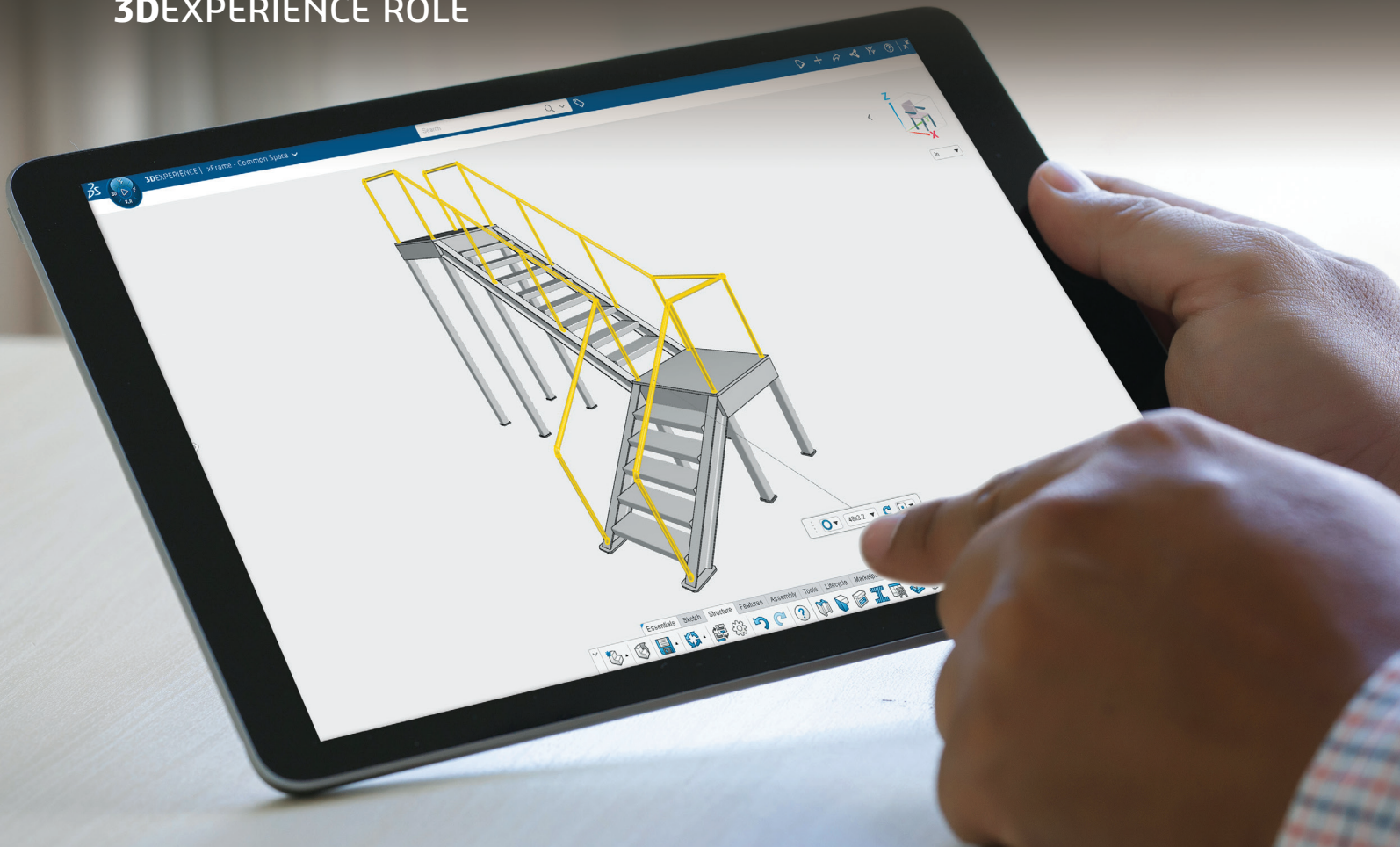# 3S SOLIDWORKS

3DEXPERIENCE®
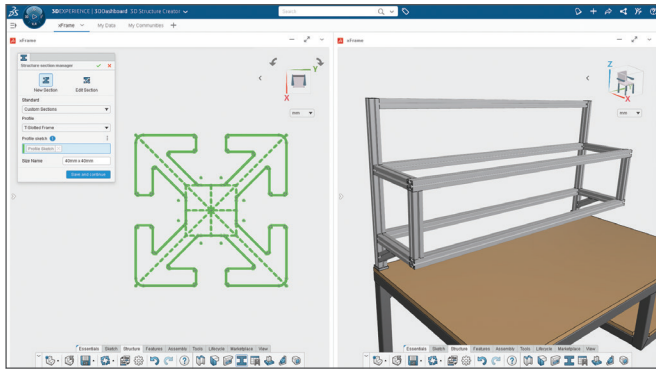

3D STRUCTURE CREATOR
3DEXPERIENCE ROLE

CREATE ACCURATE, MANUFACTURING-READY STRUCTURE DESIGNS ON ANY DEVICE

Speed time to market by enabling increased collaboration across your structure and frame design ecosystem.

OVERVIEW

3D Structure Creator is a browser-based solution offering engineers and designers associative, feature-based frame design tools for every stage in the design process—from conceptual design to generating manufacturing information. The dedicated structure design interface lets you quickly and easily build models using intuitive features for creating structure members; adding plates, gussets, and end caps; and generating a manufacturing cut list. With secure cloud-based data management powered by the **3D**EXPERIENCE® platform, and the ability to view, create, or modify designs from any web-enabled device, you can fully leverage the knowledge and know-how from your entire product development ecosystem.

3S DASSAULT
SYSTEMES

KEY CAPABILITIES

- Improve design productivity by using an interface tailored to 3D structure design; all toolbars, context menus, and features are specific to structure design.

- Freely create structure members based on any sketch entities, model edges, or curves.

- Rapidly perform trim operations at corners and end points to create precise, manufacturable designs.

- Streamline structure design workflows with automated functionality for adding gussets, end caps, and plates.

- Design with unique structure members by creating custom section profiles based on a 2D sketch.

- Go from design to manufacturing fast with automated cut lists.

- Add detail to structure designs by adding cutouts to structure members.

- Work entirely in a web browser, giving you the freedom to design anytime, anywhere, with no need for installation.

CAPABILITIES OF THE 3DEXPERIENCE PLATFORM

With its growing solution portfolio and secure cloud technology, the **3D**EXPERIENCE platform enables you to manage all facets of your product development process while reducing infrastructure costs, IT overhead, software maintenance, and complexity. All **3D**EXPERIENCE solutions work together seamlessly, simplifying data management, sharing, and collaboration across your entire business ecosystem. 3D Structure Creator can take advantage of the following platform capabilities:

- Store all your design data in a centralized, secure location in the cloud.

- Manage the lifecycle of any type of content—such as 3D design files, simulation models, and documentation—across disciplines and CAD applications.

- Streamline data management with built-in revision control and branching.

- Navigate tabular and 3D design data simultaneously, and easily validate the differences between two product structures.

- View, share, annotate, discuss, visualize, and manage designs from any device with a web browser.

- Intuitively toggle between platform solutions, such as 3D Creator and 3D SheetMetal Creator, to design complex assemblies that include a variety of design types.

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

Dassault Systèmes, the **3D**EXPERIENCE 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 **3D**EXPERIENCE 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**.

3DEXPERIENCE®

DASSAULT SYSTEMES | The **3D**EXPERIENCE® Company

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