

# 5 FAST FACTS

## SOLIDWORKS FOR MEDICAL DEVICES

Here is what you can expect from adding SOLIDWORKS® and 3DEXPERIENCE® Simulation to your medical device design toolbox:

1.

### Powerful Simulation Capabilities

Access high-performance cloud computing resources to boost power and quickly evaluate medical device designs, while keeping your teams aligned with cloud-based collaboration and data management tools.

2.

### Nonlinear Analysis

With a database of more than 350 materials and the ability to easily model complex multi-surface contact interactions, 3DEXPERIENCE Simulation allows users to validate the performance of medical devices in real-world scenarios with industry-leading technology.

3.

### Electromagnetics for Wearables

Using electromagnetic simulation, you can easily explore and optimize the design and location of the onboard antenna and electronic circuitry to maximize performance and reduce the likelihood of electromagnetic interference.

4.

### Fluid Dynamics & Fluid-Structure Interaction

Accurately modeling the fluid velocities and pressures is critical to understanding and optimizing the drug delivery process. Also important is understanding the effect of the fluid on surrounding structures to minimize leakage and enhance durability.

5.

### SOLIDWORKS Integration Workflow

Associativity with SOLIDWORKS means no export/import rework—giving SOLIDWORKS users the most streamlined, user-friendly simulation workflow possible.