

# PICTURING PERFECTION

SOLIDWORKS Professional's advanced visualization, viewing and publishing capabilities create powerful connections between designers, clients and consumers



## IMAGES AND ANIMATIONS CAN DO AMAZING THINGS.

An image, or an animation, can communicate a complex idea immediately, effectively and impactfully, in ways that mere words can't manage. An image can take an idea out of the solitary realm of imagination and into a shared experience and common understanding. An image can transform abstract concepts into concrete realities—and shared visions.

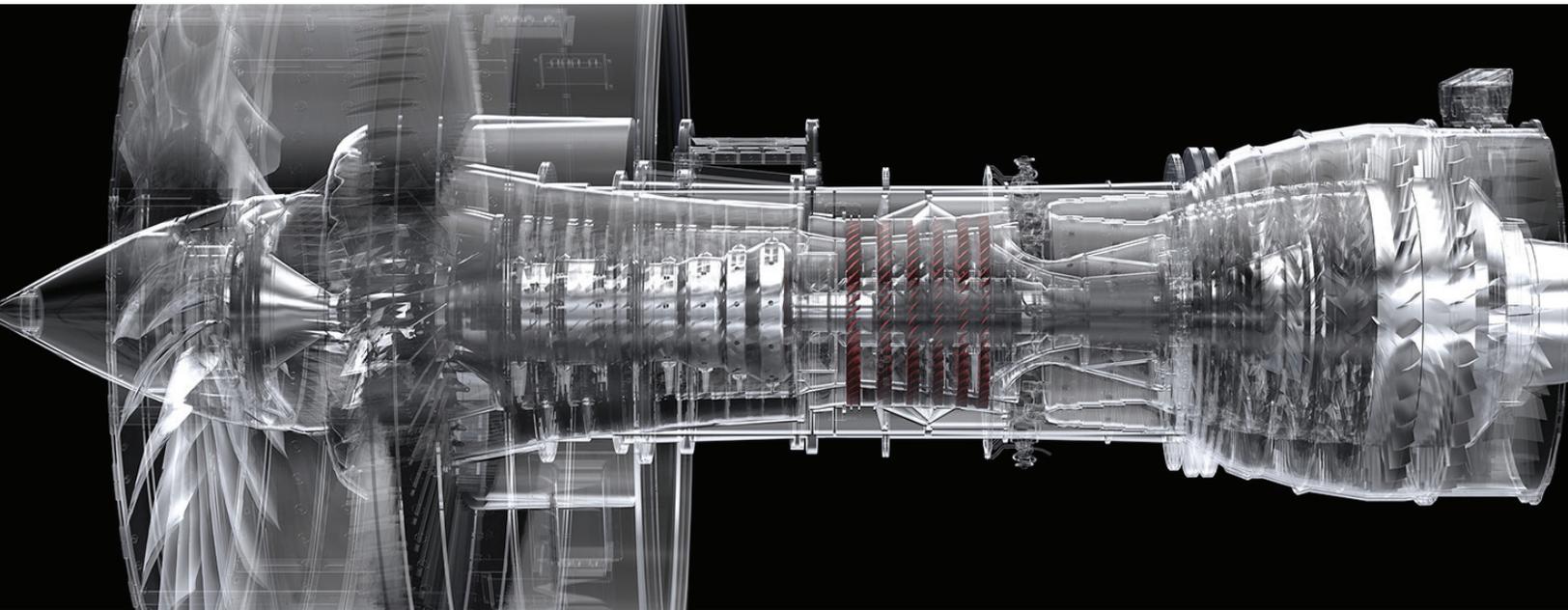
So what can a limitless number of incredibly detailed, information-rich, photorealistic images and animations do? They can communicate complex information in a way that's immediate, direct and crystal clear. That's what the SOLIDWORKS® design solution can do.

## MAKING IT REAL

Ensuring that other people “get it” is one of a designer’s most difficult tasks. A revolutionary idea can gain traction with a client—or a consumer—only if it is understood and appreciated.

SOLIDWORKS Professional allows users to “show” ideas rather than having to explain when working to align team members’ efforts and share knowledge. Crystallizing concepts as comprehensive, detailed imagery makes it possible to minimize miscommunication, accelerate processes and achieve greater efficiency than ever before.

SOLIDWORKS Professional’s powerful imaging and animation tools let designs speak for themselves in whatever visual language is needed: data-rich 2D and 3D renderings, photorealistic illustrations or vivid animations—whatever it takes to connect with clients, collaborators, consumers, external vendors and other project stakeholders. Best of all, these capabilities are integral to the SOLIDWORKS Professional process, making them quick and easy to execute.



## THE CLIENT CONNECTION

A designer’s most important collaborator? The client. Shared understanding, open communication and clearly identified objectives are critical in order to ensure that client needs and objectives are met. SOLIDWORKS Professional’s eDrawings® file viewing and publishing capabilities make that essential collaboration and knowledge sharing effective and effortless. eDrawings makes it possible to share 3D models and information with other stakeholders anywhere and anytime—even if they’re not using SOLIDWORKS. This sharing works both ways: Recipients can also mark up and measure the models in eDrawings to quickly and accurately communicate changes. With eDrawings, your team can do the following:

- Accelerate the design process and get past the “fuzzy front end” by sharing 3D designs in a lightweight file that can be attached to an e-mail;
- Easily share a wide variety of file formats, including SOLIDWORKS, DWG/DXF™, 3DXML, Creo Pro/ENGINEER®, STL, or eDrawings files;
- Share animations of SOLIDWORKS models;
- View and share simulation results;
- Zoom, pan, rotate, section and virtually disassemble designs;

- Collaborate with mobile and non-CAD users through the eDrawings for iOS mobile app;
- Safeguard intellectual property with password protection.

Whether you're reviewing a new concept, discussing a design change, evaluating alternate designs, or getting an approval, you'll find eDrawings makes the process faster, easier and more efficient. It also virtually eliminates miscommunication and misunderstanding because what you design is what they see—clearly and unmistakably. That reduces mistakes, increases efficiency and ultimately improves your products.

## SHARE YOUR VISION

You know that you've designed quality, functionality and durability into your product, but how do you let everyone else know? Show them—in photorealistic detail, full color, completely animated, and from every conceivable angle.

SOLIDWORKS Visualize Standard, included with SOLIDWORKS Professional when on subscription, lets you quickly and easily create photo-quality images. SOLIDWORKS Visualize Professional takes it to the next level and lets you create animations, interactive content and web experiences. It goes beyond functional designs to generate immersive, engaging visual experiences that bring designs to life and let viewers not just see your designs, but experience them.

Advanced photorealistic rendering capability and file sharing functionality also give your clients direct visibility into the design process, improving collaboration and generating confidence. Clients and collaborators can see exactly how a planned part or product will appear in its finished state. That helps to solidify concepts more quickly, speed approvals, and catch errors earlier in the development process—and that means greater efficiency and shorter development times. Here's just some of what you can do in SOLIDWORKS Visualize Professional:

- Share lifelike product images—even before you prototype—to support Kickstarter campaigns, secure preorders or gain client approvals.
- Fully animate parts, models, appearances, cameras and environments for ultrarealistic demonstrations.
- Generate interactive web content, including Interactive Images and Panorama presentations.
- Create immersive virtual reality experiences to dive directly into your CAD data, changing how you design, develop and deliver your products.
- Tell a deeper story with your final design using one-click 360-degree spins.
- Demonstrate inner design complexity with animated cut planes (section views).
- Present and compare varying design solutions side by side .
- Apply advanced lighting and environmental features for added realism.
- Present designs in real time and never wait for a render to finish again.



## SHOW ... AND SELL

With photorealistic renderings that are visually indistinguishable from actual photographs, the advanced image-generation capabilities in SOLIDWORKS prove their worth in the most demanding environment of all: the consumer marketplace. Well before your products are manufactured, you'll be able to generate media for use in a wide range of marketing channels, enabling you to bring products to market much more quickly.

Imagine: Even before your first prototype is finished, you'll be able to create brilliantly lit, photorealistic images for flyers, brochures, posters and websites. You can create fully animated videos demonstrating your project in action for use in everything from crowdfunding appeals to social media posts to commercials. You'll be able to do more than just tell your customers how great your product is—you'll show them.

You can even evaluate different design iterations to ensure that the one you ultimately choose is innovative and optimized. And the best part is, any change you make to the design model will automatically update all associated components, related drawings, tooling and other deliverables. It also enables manufacturing planning and preparation work to be concurrent with all design changes.

## SEEING IS BELIEVING

SOLIDWORKS Professional's cutting-edge visualization capabilities take designs far beyond the 2D plane—and unlock the full potential of the design imagination. Whether the goal is to sell a concept, contrast competing designs, assess functionality and interoperability, or sell a finished product to a discriminating consumer market, SOLIDWORKS Professional has all the tools you need to let designs shine more brightly than ever before. But don't take our word for it—see it for yourself. And believe.



## 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 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

