

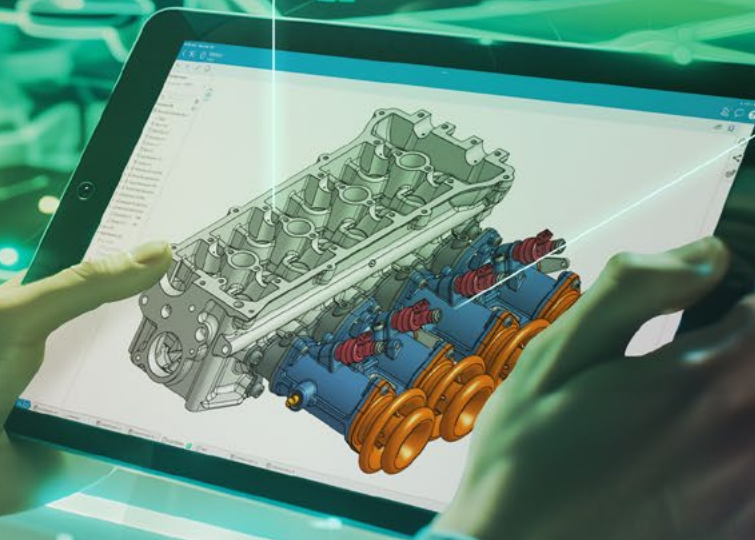
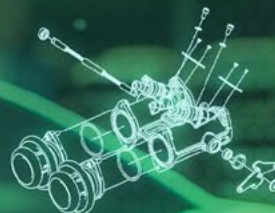
Future-Ready Product Development: A Playbook for CAD Transformation



MANAGER
DETROIT, US



DESIGNER
BERLIN, DE



Spark Change

For years, traditional CAD has slowed teams down. Its file-based, on-premise infrastructure, clunky workflows, and disconnected data management have become accepted as "just the way it is." But it doesn't have to be.

Today's cloud-native platforms are rewriting the rules. Agile, integrated, and always up to date. They're helping engineering and IT leaders drive real transformation across product development.

This is your moment to spark change.

- Build a more responsive, collaborative, and scalable engineering organization.
- Eliminate costly hardware and IT overhead with a cloud-native infrastructure.
- Empower teams to manage product data natively – no bolt-on PDM needed.
- Collaborate in real time to accelerate decisions and eliminate bottlenecks.

Onshape is a cloud-native CAD & PDM platform built from the ground up to accelerate the product development process.

- Onshape works entirely in the browser. Users can access their CAD models from anywhere, anytime, with any device.
- Built on a modern tech stack, powered by AWS, Onshape provides access to elastic computing with 99.99% uptime and the highest level of security.
- With built-in PDM, users automatically capture every design change, eliminating lost work and the need for check-ins, or cumbersome file naming conventions.
- Real-time collaboration is seamless, thanks to a multi-tenant architecture and granular access controls that enable teams, customers, and suppliers to work together securely from anywhere.



Understand The Next Steps for Driving Change

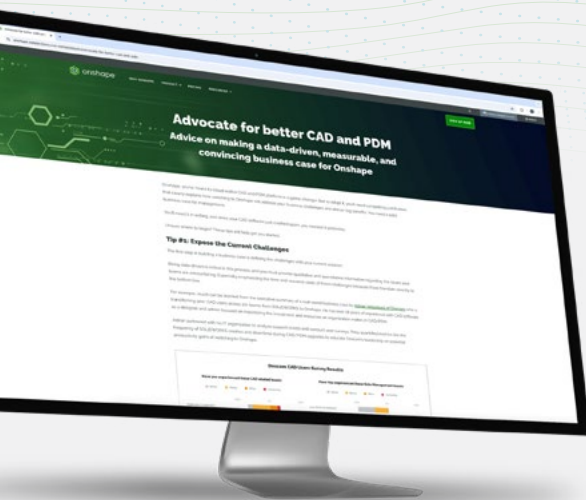
Convincing engineers to switch CAD tools can be hard. Engineers want to spend less time learning tools and more on designing products. But, what if the tool is so easy to grasp that it allows them to solely focus on product innovation?

- **Start preparing the case for change.**

This will include building an understanding of what motivates both management and engineers to change at your organization.

- **Start selecting the evaluation team.**

Pick individuals with sufficient bandwidth, and those who can test and provide perspectives on different aspects of the product development process.



For more guidance on preparing for a CAD transition - read:

Advocate for better CAD and PDM

[READ THE EBOOK](#)

Prove it With a Hands-on Evaluation

Hands-on evaluations are meant to demonstrate tangible value to specific teams within your organization. At this stage, it's critical to focus on identifying and solving problems that are unique to your environment.

With the [Onshape Discovery Program](#), businesses have up to 6 months free to trial all of the features, including simulation, rendering, CAM, and more. Thousands of companies have evaluated Onshape with this program.

Here are some suggestions before getting started with the evaluation:

- Identify projects that can be completed in 6 months or less.
- Identify specific pain-point(s) pertaining to your selected project, and plan to resolve them with your new CAD platform.
- Build a cadence to work on the project. Decide how the team is going to make consistent progress on different aspects of the evaluation.
- Document business metrics such as impact of CAD downtime, impact of late stage Engineering Change Order (ECO), onboarding time for engineers, RFP/RFQ response time, Total Cost of Ownership (TCO), etc.

Use the [Onshape Learning Center](#) and the [YouTube Channel](#) to ensure that all engineers on the evaluation team understand the product well. **Product knowledge improves evaluation outcomes, but also learning Onshape can be fun.**



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"One unique aspect we have noticed is how enjoyable it is for our team to work with Onshape. I see our engineers genuinely having fun using it, something rare in this field, likely due to its intuitive and well-designed interface. It is rewarding to work with a tool that is not only functional but also enjoyable to use, enhancing daily productivity."

- **Dr. Chantel Niebuhr**
CTO, *Energyminer*

ENERGYMINER

Build on The Success of Your Evaluation

Start using your new platform in production.

- Start with small projects and plan to expand operations to bigger teams and projects.
- Invite the extended team. You want to start realizing the benefits of collaborating with customers and suppliers.
- Internally, use the expertise gained by the evaluation team to train others. Share insights to resolve issues.

Leverage all resources available for learning and resolving in-production issues. Onshape provides an [AI advisor](#) that can be queried for help. It's also very easy to share your CAD data with Onshape customer support - you can share data with Onshape just like you would with any collaborator or supplier.



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"As our team grows, Onshape will be essential in our production because everyone's work is visible to other departments in real time. There's no waiting for design updates. Everyone can keep working without delays."

- **Alban Semond**
Physical Design Manager
Aura Aero



Make the Case to Change & Scale

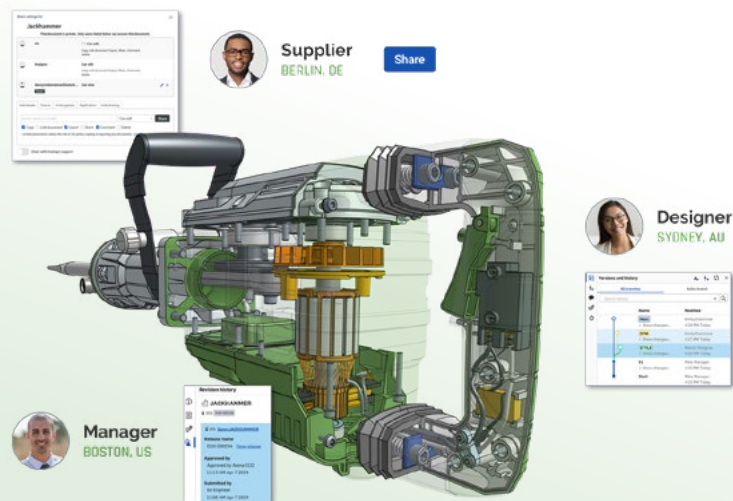
Now that you are executing projects with all collaborators in the loop, it's time to build momentum and implement this change across business units, divisions, and geos.

- [Tell the story](#) of your evaluation. Share the success and what business metrics have improved.
- Create other internal champions. Share what worked and didn't work during the evaluation to help them drive successful evaluations themselves.
- Expand use cases for collaboration across your enterprise.

Connect & Customize

Once Onshape is up and running, the next step is connecting it to the rest of your product development ecosystem. Cloud-native tools are designed to flex and scale with your needs, giving you the power to tailor processes, integrate systems, and accelerate innovation.

- Explore building [API integrations](#) or take advantage of the App Store.
- Explore building out [customization](#) to accelerate your product development.
- Explore Onshape's [PLM integrations](#).



Championing Change Starts Now, Lead the Way

A successful Onshape evaluation starts with a clear plan, real-world use cases, and strong internal champions like you. By following this playbook, you're setting your team up to explore the platform's full potential and modernize your organization's design and engineering workflows.

And remember—Onshape is here to support you at every step, from first login to full adoption.

DISCOVER ONSHAPE



"There are lots of ways Onshape adds value to our company. The performance improvement working in Onshape will allow our engineers to be more efficient and have a better quality of life. Branching and merging helps us iterate design ideas and implement quickly into the production models.

The cloud native nature of Onshape makes it easier to work with overseas team members and eliminates the need for expensive servers and heavy IT overhead. The tight integration between CAD and PLM makes workflows more streamlined and reduces our processing time for ECR's and ECO's. In general, Onshape allows us to be a more nimble and creative engineering team."

LEARN MORE

- Kyle Gerber
VP of Engineering
Custom Truck One Source





onshape®
by ptc

Onshape is the leading cloud-native CAD & PDM software that runs on any device, anywhere - requiring zero IT.

Onshape is for product design companies who are fed up with errors, time waste, and hidden costs of outdated file-based CAD & PDM.

Only Onshape:

- Guarantees engineers never lose data by eliminating CAD crashes.
- Provides engineers with infinite restore of previous designs with git-like version control.
- Enables engineering teams to collaborate securely, in real-time, or work on concurrent projects with git-style branching and merging.

DISCOVER ONSHAPE

