Vita Inclinata Technologies Implements Cloud-Based SOLIDWORKS and PDM

SOLIDWORKS Challenge

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In 2020, Vita Inclinata, an upstart business with an industry-changing rescue technology, was in growth mode. Initially an entrepreneur license customer of SOLIDWORKS, Vita needed a flexible and scalable design environment that would meet their aggressive growth plans. In this case, cutting-edge technology also required cutting-edge innovation to improve Vita's product design and development process, as well as workflows through various departments. With limited available resources to implement and manage such an environment, and no desire to have servers and hardware managed on-premise, Vita looked for a solution provider that could support both IT (Cloud) and Engineering aspects of a complete SOLIDWORKS Cloud solution.

To further complicate matters, some special data security requirements would require a secure enclave and controlled data egress. These data security requirements and the need for environment scalability led Vita to explore the idea of a Cloud-based virtual design solution. The notion of a completely virtual SOLIDWORKS infrastructure was beyond the scope of issues encountered and solutions provided by their current IT provider. Furthermore, Vita wanted a single provider for their engineering solutions. Like many, Vita depended on third-party partners for their IT solutions, but as is often the case, their IT provider had no expertise in these special requirements (PDM, Secure Enclave, Virtual SOLIDWORKS Desktop)

These combined factors led Vita to look for a partner that might be able to meet this rigorous set of requirements and provide the services needed to support their engineering systems so that they could focus on meeting product launch deadlines.

Converge Actions & Recommendations

In 2020, Vita found Converge, and we were able to meet their security requirements by providing a fully managed EpiGrid hosting solution with virtual desktops for the entire team. Additionally, Vita had an immediate requirement for revision controlled engineering workflow processes with an added emphasis on collaborative design. These requirements led the team to SOLIDWORKS Product Data Management (PDM). Converge implemented their Axis PDM Vault to quickly overcome typical implementation challenges, and further leveraged ongoing SOLIDWORKS CAD Administration Services to fully support the environment.

Here's an overview of the services implemented to support Vita's growth:

- Implemented turnkey SOLIDWORKS Hosted as a Service solution

- Created Secure Enclave to meet security requirements and control data ingress and egress

- Implemented full virtual design environment inside Secure Enclave

- 10+ GPU enabled Virtual Desktops and Product Data Management (PDM) servers

- Streamlined and fully documented PDM implementation process

- Implement ongoing CAD Managed Services for environment management

- SOLIDWORKS large assembly performance improvement through ongoing interaction with users

Vita Inclinata Results

❝ **The cloud environment from Converge is essential because ultimately we plan to have production capability all over the world and it's important for everyone to be interactive with one environment.**

— Derek Sikora, CTO Vita Inclinata

"Whenever my team is having issues now, they have somebody they can directly go to and I know the Converge team will help them resolve those issues. Let's face it, things are always going well until they are not. When issues have come up, the team at Converge has been quick to sort out if we have a real issue or need to fine-tune user expectations and process. Today, we have substantially fewer performance issues. Files that once took 30 minutes to open now only take 45 seconds."

"We're happy with our relationship with Converge. What primarily makes us happy is when we have these issues arise, the Converge team is on top of it and that's how you retain customers, especially in this service industry when a lot of people are entering this space. Also, Converge has the ability to get us where we want to go in the future."

— Derek Sikora, CTO Vita Inclinata

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As a founder, I'm paying for convenience, comfort, and reliability. I know if our office burns down tomorrow all of our data will be retained. The data we care about will be secure and protected because our servers are not on-site. Another reason why we don't want to have servers on-premise is that it makes it easier for us to move offices.

As we expand our operations, all we have to do is move our furniture and all things considered, that's pretty easy. We don't have to move fragile data servers and network infrastructure that cause downtime and hurt our productivity."

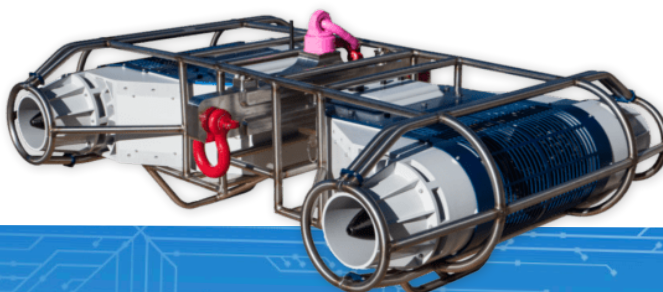— Derek Sikora, CTO Vita Inclinata

Long Term Vision

So, what's next for Vita?

They recently upgraded their PDM licensing to PDM Professional and the EpiGrid Cloud-hosted solution could scale with ease and with zero downtime. But with this switch to PDM Professional, they've turned their eyes toward further data integration with other departments through advanced ERP implementations. With these powerful Cloud-hosted solutions in place, there are far more avenues to explore for data distribution and collaboration.

In the next twelve months, Vita wants to:

- **Double the size of its organization**

- **Roll out to global manufacturing**

- **ERP integrations, data distributions, and implement a solution for drawings and other documents**

Converge will be there every step of the way to ensure that Vita can scale its operation for the future.

Converge Has the Skill Set & Experience To Help You Make the Right Choices To Enable Your Digital Transformation

Engineering Experience

Our products and services are built by engineers for engineers.

Cloud Experience

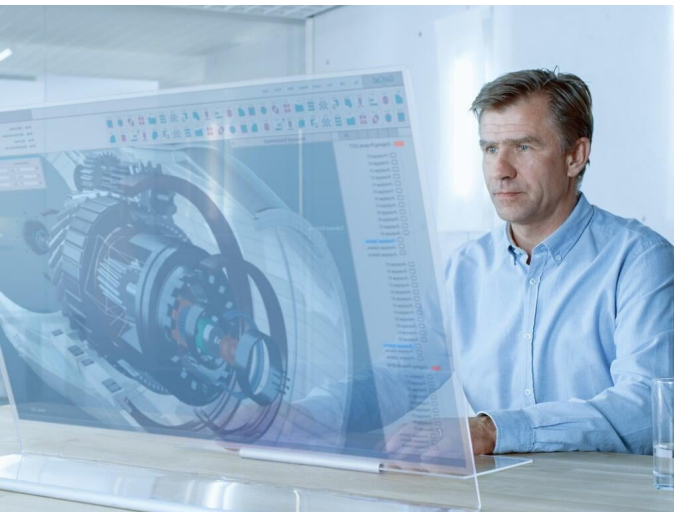Our partner EpiGrid has helped customers host SOLIDWORKS for 10 years.

Secure & Reliable Access

We ensure your CAD data is secure and accessible to distributed teams.

Speed to Market

We help you get up and running quickly to realize maximum ROI .

Why Converge Design?

Our mission is to drive alignment between Engineering & IT teams. We ensure a mutual understanding of your SOLIDWORKS setup, allowing your engineers to focus on product design and development while working uniformly with internal, external, and globally distributed teams. We will guide you through a digital transformation to increase productivity, improve product quality, and meet global competitive challenges.

We offer you a choice between hosted solutions to help you start your journey to the Cloud. Our goal is to empower your engineering team to work remotely, collaborate seamlessly, and deliver quality products to market faster while eliminating IT constraints, reducing administrative burdens, and improving security.

CONVERGE

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We bridge the gap between Engineering and IT teams helping you make the right choice for managing CAD in the Cloud efficiently while taking the ongoing burden off your IT department to manage the applications.