



CASE STUDY

Norconsult leverages Octave OnSite Visualize for greater efficiency in projects

Key facts:

Company: Norconsult AS

Website: norconsult.com

Industry: Multidisciplinary (Design and Engineering)

Description: Norconsult is a multidisciplinary engineering and design consultancy, providing services to clients in the public and private sectors worldwide.

Octave products used: OnSite Visualize (*iConstruct PRO*)

Norconsult, a top-tier Norwegian multidisciplinary engineering and design consultancy, delivers exceptional services to clients across both public and private sectors worldwide. Positioned dominantly in Nordics, it significantly impacts the European market and holds an extensive global footprint, with experience culled from projects spanning all continents.

Seamlessly blending a variety of expertise with comprehensive project lifecycle coverage, Norconsult aims to deliver bespoke solutions that underline its leading role in global consultancy.

In addition, Norconsult aims to stay ahead of customer demands, proactively challenging and creating new possibilities while also identifying the evolving complexity of project requirements. As technical demands for projects have grown from concise digital needs to more intricate specifications, the company acknowledges the need for new tools to maintain focus and streamline efforts in delivering high-quality outcomes.

Identifying goals and challenges: enhancing service delivery and fostering innovation through digital transformation

Norconsult was navigating the digital landscape with a commitment to not only delivering and digitizing existing services but also driving innovation and enhancing its overall service delivery. The company faced a set of challenges prevalent across diverse market areas. These included issues related to the structure and flow of information and

the effective transfer and consumption of digital data within projects.

To address these challenges, Norconsult embarked on a digital transformation journey by establishing a dedicated group focused on customer communication and implementing a digital strategy. Besides strategic consulting and implementation, the company emphasized the importance of staying agile and avoiding being bound by overly ambitious strategies. Acting as digital leads for projects, Norconsult recognized common challenges across industries, such as managing the escalating volume of data and developing effective solutions.

Furthermore, Norconsult faced challenges posed by limited resources, particularly the limited workforce available for its projects. Faced with increasing demand and the essential task of incorporating sustainability into every project, the company acknowledged the need for a strategic approach to utilize its workforce efficiently. The solution resided in leveraging technology to structure data effectively from the beginning, thereby enabling the extraction of diverse insights from the same dataset.

Recognizing the importance of addressing sustainability in every project, the company identified the need for seamless data integration across processes. It aimed to add value by being the architect of well-structured data, emphasizing the role of digital solutions in ensuring proper data structuring and placement. The company also acknowledged the interoperability challenges among different solutions and the necessity for standardization to facilitate meaningful data sharing.

Key benefits:

- Enabled the delivery of metadata surpassing previous standards
- Minimized the need for drawings, achieving a considerable reduction of approximately 95%
- Eliminated non-value-added work usually involved in merging various data layers
- An impressive reduction in on-site issues, with an approximate average decrease of 59%

With ongoing discussions about unified data platforms and ecosystems, Norconsult searched for a comprehensive solution in the market. Consequently, it recognized the need for integration in various scenarios to address the existing gaps.

A Strategic adoption of OnSite Visualize for greater efficiency and customization

To address some of its challenges, Norconsult chose OnSite Visualize. This pivotal choice signified a transformative shift for the company, transitioning from traditional drawing-based deliveries to a more efficient, digital delivery system. Before using OnSite Visualize, the company had found no alternative solutions to fulfill its specific requirements.

Several key factors influenced the decision to choose OnSite Visualize:

- **Seamless integration:** OnSite Visualize offered a unique opportunity to seamlessly integrate all contractually required information into the company's digital deliveries. Therefore, it eliminated the need for drawing or PDF generation.
- **Exceptional technical support:** The company received top-notch technical assistance from Octave. This support was not merely theoretical but extended to hands-on help.
- **Customization capability:** OnSite Visualize offered impressive customization options, enabling the company to mold the solution according to its specific needs.

The combination of a distinctive solution, outstanding technical support and extensive customization options solidified OnSite Visualize as an optimal choice, and these aspects emerged as the key success factors for Norconsult's transition to a more streamlined and efficient digital delivery system.

Additional contributing elements included the ease with which OnSite Visualize could integrate with existing workflows, processes and solutions. This facilitated the successful implementation of the software within Norconsult. The team also embraced a systematic learning approach, kick-starting



their journey with a pilot project to better understand the solution and its potential to accomplish their objectives.

Results: driving quality and efficiency in project delivery

Upon implementing OnSite Visualize, Norconsult leveraged considerable benefits, most notably an improvement in the quality of project deliveries. These achievements were not only significant but transformative when compared with previously utilized methods.

The key benefits included:

- **Enhanced quality of deliveries:** The solution enabled the delivery of metadata surpassing previous standards. It adeptly addressed on-site construction issues commonly arising from outdated, inaccessible or misleading data.
- **Issue reduction:** This upgrade led to an impressive reduction in on-site issues, with an approximate average decrease of 59%.
- **Decreased dependence on Drawings:** The company successfully minimized the need for drawings, achieving a considerable reduction of approximately 95%.
- **Integration of comprehensive information:** By incorporating a model built with integrated data, the team eliminated non-value-added work usually involved in merging various data layers.

These results highlight key improvements for the company, showing both increased quality and efficiency in carrying out projects.

“Working with OnSite Visualize on our projects has been like unlocking a superpower. It’s our our safety net, ensuring that even as we explore new delivery methods and strive for innovation, we have the confidence that if anything goes awry, OnSite Visualize has our back. It’s more than just a solution; it’s a game-changer for our projects’ success.”

Marius Jablonskis
Digital Transformation
Leader, Norconsult AS



Moving forward

Norconsult understands the constant need for flexible tools and good data management at all stages. In today’s world, it’s crucial to use data efficiently, from start to finish, using ideas like digital twins. The challenge is to collect and move data smoothly, especially with the growing use of artificial intelligence. The company stresses connecting data from construction sites to operation and maintenance to benefit from machine learning.

Because there is no single platform for storing and accessing data, we need tools that make integration easy. The company likes the two-way functionality of a tool like OnSite Visualize, which can both pull and add data. This helps teach lessons over time, instead of just using traditional formats like PDF reports and Excel lists. It expects such tools to continue to be useful and to integrate data effectively in the future.

“OnSite Visualize allowed us to pioneer a new type of delivery while elevating its quality to an unprecedented level,” said Jablonskis.

He added, “Embracing innovation and pushing boundaries in our projects is essential, and with the help of OnSite Visualize, we’ve achieved a level of redundancy that ensures safety without compromising progress. In our years of experience, we’ve learned to navigate complex workflows, knowing that OnSite Visualize empowers us to go beyond standard measures. It’s like having the confidence to explore alternative solutions and be more courageous in achieving our goals.

In complex projects, where preparation starts years in advance, technology shouldn’t leave you behind. OnSite Visualize enables us to stay ahead, ensuring that our projects not only meet requirements but also embrace the future.”

“OnSite Visualize empowers us to innovate within our projects and streamline digital deliveries, simultaneously reducing the associated risks.”

Marius Jablonskis

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we’ve partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what’s possible from day one onward.

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