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Meet today's demands with Naviate for Revit

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The future won't wait

The world is changing fast. For those of us operating in the building industry, urbanisation, globalisation and climate change demands new ways of thinking and technologies that enable us to streamline our processes, increase productivity and produce sustainable and cost-effective buildings at a much faster rate.

Today's agenda presents many challenges but also great opportunities. In this e-book we present one of our solutions to these topics, and share some of our expertise, tips and tricks for how to begin working smarter for a better future.

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By professionals, for professionals

Digitalisation has changed many industries at a fundamental level and the building industry is no exception. We are in the midst of a paradigm shift with innovations and new technologies, and the implementation of digital workflows is accelerating. With these changes comes the opportunity to work more efficiently and handle tasks at a higher pace, still delivering the same, if not higher, quality.

One of our contributions to the building and infrastructure industry is Naviate - a product portfolio of add-on software for Revit and Civil 3D from Autodesk.

The fundamental building block of Naviate is, and always has been, to create solutions tailored to our customers' needs. Naviate started small, but has grown to encompass 15 different solutions geared towards the needs of different segments in the building and infrastructure industry.

The add-ons include features that help productivity, documentation, collaboration, managing projects. Standards are built-in and everything is pre-configured to accelerate project documentation and optimise working methods, enhancing the users entire BIM workflow.

NAVIATE EMPOWERES

6 000 +

USERS

User feedback

Every year we meet with users in reference user group meetings, where we discuss their requirements and needs from the Naviate portfolio.

They have direct access to our software developers, and we work together to find the best solutions to their problems. In these reference groups industry players such as Sweco, Tengbom and Ramböll participate.

Beyond the reference group meetings, we get user feedback through our ideation platform. Here all users can leave comments and suggestions for improvements and new features. This is how we can ensure that we develop our solutions to fit the needs of our users. It is a core value for us: Naviate is a collaboration with the industry and made by professionals, for professionals.

"

There are many benefits to Naviate. As a designer, you are faced with many different challenges in finding the best and most effective solution for the customer, whether it is rebuilding or new construction. Naviate gives you the keys to be successful. Provision for void has been such a key feature that has facilitated our work regarding control calculation of the stabilizing concrete cores in the two house bodies with regard to holes for pipes, ventilation and electricity through them

Rasmus Sylvén
Project Manager
VBK AB

![Naviate logo](N NAVIATE®)

In practice

Working with Naviate will save valuable time,
enabling the team to create better and more
successful projects. But how you might ask?
Let's look at some examples of features in
Naviate that make a difference in the everyday
life of the user.

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To increase productivity

Increasing productivity – in everything from small, repetitive tasks to entire projects is one of the most pressing issues in the building industry. Anyone working in Revit knows that some things take more time than desired. That's where Naviate comes in.

Take for example the task of numbering elements. It's a task most Revit users have been stuck with many times. With the Naviate feature *Renumber Elements* you can number elements using any shared text parameters by picking them in order or by using a drawn spline. We tested the capability of this tool by comparing it with the manual process in Revit, when renumbering 40 parking lots.

Manually, the process took about 3 minutes, but since you have to enter the new number manually every time the margin for error is quite big. The chance of accidentally skipping a number, or entering a number twice means you might have to re-do the process. With the Renumber Elements tool however, numbering 40 parking lots took only 30 seconds. That's 600% faster.

Even though saving 2.5 minutes might not seem that much, imagine every renumbering you do in an entire project and the time quickly adds up.

Not only do tools like these save time for the user. They allow them to spend more time on meaningful tasks and can increase the productivity of an entire project.

> The deployment of Naviate HVAC at YourCAD has markedly reduced project delivery times. Key components have been project set up and sheet reproduction on a previous companies model. The Manage Parameters function and Excel Import/Export has also made COBie production a lot less painful! Naviate has been able to reduce timeframes allowing us to provide a more efficient service to our clients.
>
> **Matthew Cunliffe**
> **Director and BIM Consultant**
> **YourCAD Ltd**

| **3 MINUTES** With Revit | **30 SECONDS** With Naviate | **600%** Efficiency with Naviate |

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To optimise workflows

Most methods we are using in our everyday work are based on earlier methods – we are still trying to repeat the way we worked in CAD now that we work in BIM. And CAD in turn was trying to replicate the way we designed by pen and paper.

These old workflows do not translate very well into the methods, software and market demands of today and it's easy to spend a large amount of time trying to force Revit into working like we did before. In Naviate we have created several functions to try to reduce the time required to perform those workflows.

Take for example the features *Create Sheets From Plan Views* and *Create Multiple Sheets*.
These are part of several Sheet Manager functions and used for creating a large amount of sheets using the same placement, format and information as another sheet.

In Revit you place views manually, one by one, but with Naviate these functions are automated and accelerate the sheet creation process.

Another example is the *Publish* feature. Communication with colleagues and other project stake holders are still being done in a myriad of ways, from different applications, digital equivalents of paper and in some cases on real paper. But the Revit functionalities to export and print are still underdeveloped, especially for larger projects.

Publish will accelerate these older processes by creating and reusing settings, automatically selecting Views and Sheets and configuring the naming of exported files.

> Naviate Structure has given us the opportunity to implement a significantly more efficient management of the 3D reinforcement in the project, from the actual information stage to the documentation and review process.
>
> **Seif Alamerison**
> **Partner**
> **SVEA Ingenjörsbyrå AB**

To increase control of data

The core of BIM is information. Managing, enriching and using that information is the goal of any BIM project - but even though Revit is the market leading BIM application there are several areas where features could be improved to increase efficiency or control of information.

In Naviate we have several features that enable users to do more in less time – increase productivity, registering information and ensure that it's the correct information. As an example, let's look at the tools *Edit Parameters* and *Edit Sheet Parameters*.

They enable the user to change information as quickly and easily as in Microsoft Excel. Copying and pasting, numbering, searching and replacing information.

> Naviate is an obvious and essential addition to Revit. Without Naviate, it would be very difficult for us to make deliveries with high quality and within reasonable time frames.
>
> **Peter Lund**
> **Head of IT**
> **BSK Arkitekter AB**

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White Arkitekter

Skellefteå cultural centre is the city's new meeting place. Art, performances and literature together with hotels in what will be the world's tallest wooden house. Here, Skellefteå's legacy of building in wood is combined with the latest engineering, which has made the project an example in sustainable design and construction.

> Naviate shows the true power of digital workflows and solutions. We can focus more on creativity and innovation.
>
> **Fredrik Borgström**
> **Head of Planning Services**
> **White Arkitekter AB**

> With Naviate, we can ensure that the daily modeling and collaboration with the other diciplines in the project - both internally and externally - always keeps the quality we want and the customer expects in our deliveries.
>
> **Tone Stilén**
> **BIM Manager**
> **DARK Arkitekter AS**

DARK Arkitekter

Økern Portal is a sustainable office building and new destination in Oslo packed with innovative solutions. It's DARK DESIGN GROUP's biggest project. Both DARK Arkitekter, Zinc interiørarkitekter and LARK landskap are involved in this ambitious project.

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Learn more about Naviate

We believe that efficiency is a key factor in achieving success, securing business operations and solving the challenges of our time. By providing optimal pre-conditions for digital development, the Naviate portfolio is designed to make a difference to both your business and the future.

Learn more about Naviate:

1. Become a member
Login to the Naviate member portal to gain access to trials of all products, the Naviate Knowledge base with tips and tricks articles and videos, and the licence portal.

> **Click here to become a member**

2. Watch webinars
Join our monthly webinar series about Naviate for Revit. All webinars are free of charge and aim to show you tips and tricks or an overview of one of our Naviate products. The webinars are recorded, so if you can't attend the webinar live you can still get access later on.

> **Click here to see upcoming webinars**

3. Subscribe to blog
In the Naviate for Revit blog you'll find useful tips and tricks for working with Naviate as well as Revit. Learn how to save time and work smarter today by subscribing to the blog.

> **Click here to subscribe to blog**

Learn more:
www.naviate.com

Contact us:
info@naviate.com

Solutions by
SYMETRI
ADDNODE GROUP

Naviate is a solution by Symetri

At Symetri we work with you to tailor digital BIM, product design and lifecycle solutions to help you work smarter and do more with less.

Our experience makes it possible to keep things simple, personal and accessible. That's why our partnerships are long lasting.

Learn more about Symetri at
www.symetri.com