



# DIGITAL INNOVATION & USER FRIENDLINESS

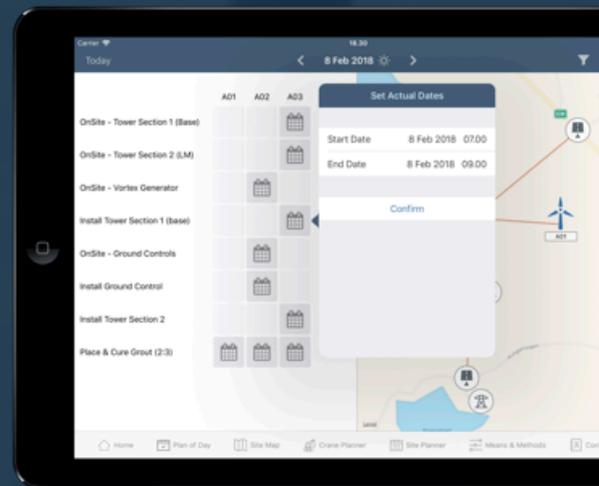
## Solution

*Site Planner* is the Site Manager's tool for the agile microplanning that is required in the work with variable elements and resources.

In addition, the tool is a conversion from traditional paper processes to digital processes, which ensures optimized planning of Vestas' sites, thus reducing waste of valuable resources.

The idea is to enable Site Managers to plan daily operations for up to 14 days based on current maintenance and logistics data as well as weather forecasts.

In addition, employees can use their mobile iOS devices to report on their progress and Site Managers can review, compare and monitor this information to report general progress on the various construction sites.



### Asier Vega Sanchez

Enterprise Architect, Vestas

*"Working with invokers means that we have gained access to highly valuable expert knowledge about SAP Cloud Platform and Apple SDK. Together we have created a unique solution that, combined with a great user experience, meets our requirements and needs regarding business value, adoption and user-friendliness."*



## Results

invokers' DNA is "**Business Value Through User Experience**" and for Vestas, *Site Planner* is expected to deliver business value already within the first year. *Site Planner* provides a comprehensive overview of the flow of building components to each site. Site Managers will therefore know exactly when to expect delivery of the components they need.

Along with always updated weather forecasts, this will make on-site planning more precise and help Vestas to implement its projects more efficiently and safely.

All in all, the very precise planning and optimized and efficient operation will be of great importance to Vestas' competitive advantages.

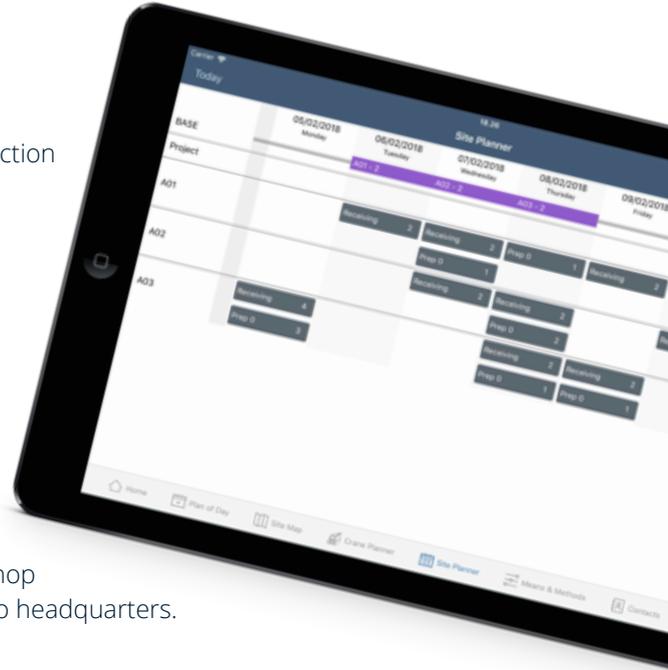
## Tech

Vestas wanted to focus on innovation, user-friendliness and finding a solution that works from the start. In addition, the solution should function without internet connection and be integrated with Vestas' back-end software, SAP ERP.

Apple's high level of security and intuitive structure and SAP Cloud Platform is a unique and powerful combination, and therefore *Site Planner* was based on SAP Cloud Platform as application platform and Apple iOS SDK. A solution we also recommend our customers.

The architecture of the SAP Cloud Platform creates the strong technical framework and Apple's well-known and user-friendly iOS paradigm ensures an optimal user experience.

Central parts of the application were designed in collaboration with Apple in California when we and Vestas were invited to a 3-day workshop to review the solution at Apple Enterprise Design Lab at the Cupertino headquarters.



## Challenges

Vestas have wind farms under construction all over the world. Each construction site erects between 10-200 wind turbines, which requires precise and comprehensive coordination and planning of e.g. delivery of components.

In addition, each Site Manager is responsible for the performance of the turbines. This involves adjusting timing and delivery plans that are easily impacted by

unstable and unpredictable elements like wind and weather, as more of the components weigh up to 35 tons and must be raised to more than 100 meters.

The challenge for vestas, was wasted resources and time that arose from changes in planning. Therefore, they needed a tool for the Site Manager to e.g. optimize component coordination.

invokers - Part of the Trifork Group

**TRIFORK.**  
...think software

  
BUSINESS VALUE THROUGH USER EXPERIENCE

**København**

Sortedam Dossering 3D, 4. sal  
2200 København N

**Aarhus**

Badstuegade 1E  
8000 Aarhus C

+45 7022 8664

info@invokers.dk