

## Case Study

# Vak Oy: Maximizing Time-to-Value with Tacton

**Vak Oy was established in 1972 in Finland. Today VAK Oy employs more than 500 heavy-duty equipment professionals and the company is a market leader of temperature-controlled transport equipment solutions in Finland.**

**Tacton Design Automation minimized construction errors and helped modularizing products, enabling last-minute changes based on customer's demands when necessary.**

## The Challenge

Finland-based VAK Oy specializes in developing heavy transportation equipment. VAK's products appear to be similar, but they are typically customized for each customer, so both design and the need for components in the products are always changing.

VAK's assemblies can include up to almost 1,000 individual parts, and matching them to ensure that they fit together is virtually impossible without using 3D CAD.

## The Solution

VAK automated routine design tasks using Tacton Design Automation integrated with SolidWorks. This brought significant time savings, far fewer design errors, and the 3D design made it possible to integrate and modularize VAK's products.

Additionally, 3D modeling with SolidWorks enabled VAK to assess the functionality of new products already in the design phase. VAK will next start using Tacton Design Automation in the sales process to support calculations for customer bids.

## Benefits achieved

- VAK achieved major time savings in production. Tacton Design Automation minimized construction errors and helped modularizing products, enabling last-minute changes based on customer's demands when necessary.
- Complex modularized solutions made it possible to integrate and modularize VAK's products.
- Design time was reduced significantly because all the parts are ready-made and fit perfectly together. VAK no longer waits for missing parts or makes engineering changes during the production phase.
- Eliminates rejected parts because design errors have been substantially reduced compared to using 2D CAD and at the same time the production drawings from SolidWorks are more detailed and comprehensive.
- Automated design of cargo bodies freed designers from repetitive design tasks and saved significant time. The risk of manufacturing errors is minimized and there is more time for innovation.
- After-sales and spare parts business became much easier.
- Tacton Design Automation helped transfer design intent from individual designers to the company. This minimized the risk of losing design intelligence in the event of employee change.



## About Vak Oy

*VAK Oy is one of the largest transport equipment manufacturers in the Nordics. It is a full-service company that also offers maintenance and rental service. Part of the company is also a rental service company VAK Vuokrapalvelut Oy and Swedish sales company VAK Sverige AB.*

## About Tacton

Tacton is a leading SaaS company trusted by global manufacturers. Tacton Trusted Configuration simplifies sales for manufacturers of complex products. Tacton's Configure, Price, Quote software is named a Visionary by Gartner in the Magic Quadrant for CPQ Application Suites and is recognized for its advanced product configuration and visualization capabilities. Tacton's founders pioneered computer-based product configuration which today powers Tacton CPQ and CAD Design Automation. Since 1998, Tacton is trusted by global customers such as ABB, Daimler, MAN, Scania, Siemens, Xylem, and Yaskawa. It is co-headquartered in Chicago and Stockholm, with regional offices in Karlsruhe, Warsaw, and Tokyo.