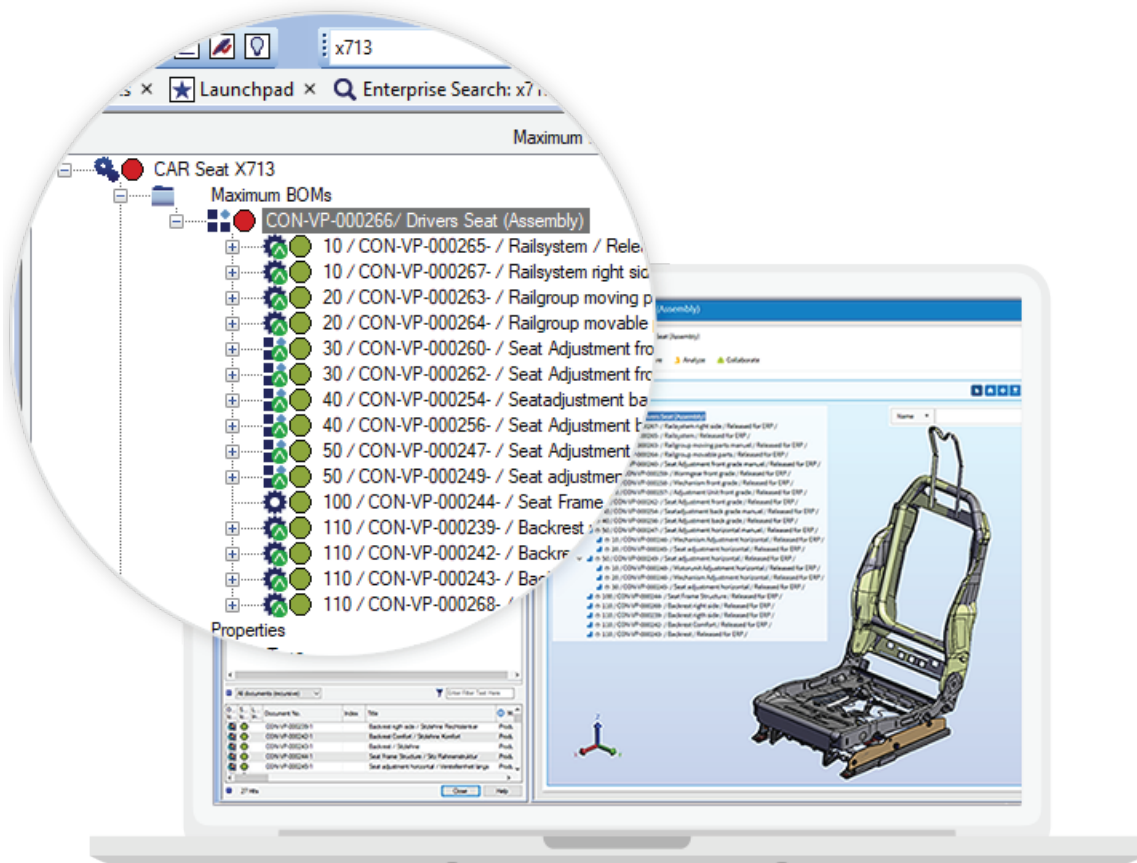# Variant management

Effective frontloading for variable product design

CONTACT
Software

Product individualization is in the area of conflict between customer orientation and profitability. The advantages in sales are offset by high requirements in development and safeguarding due to the variety of variants, which is difficult to control. CONTACT Variants offers new perspectives for variant management: Our application supports the variability of your products through effective frontloading, enables the simple creation of complete variant models and automatically supplies downstream areas with the required information.
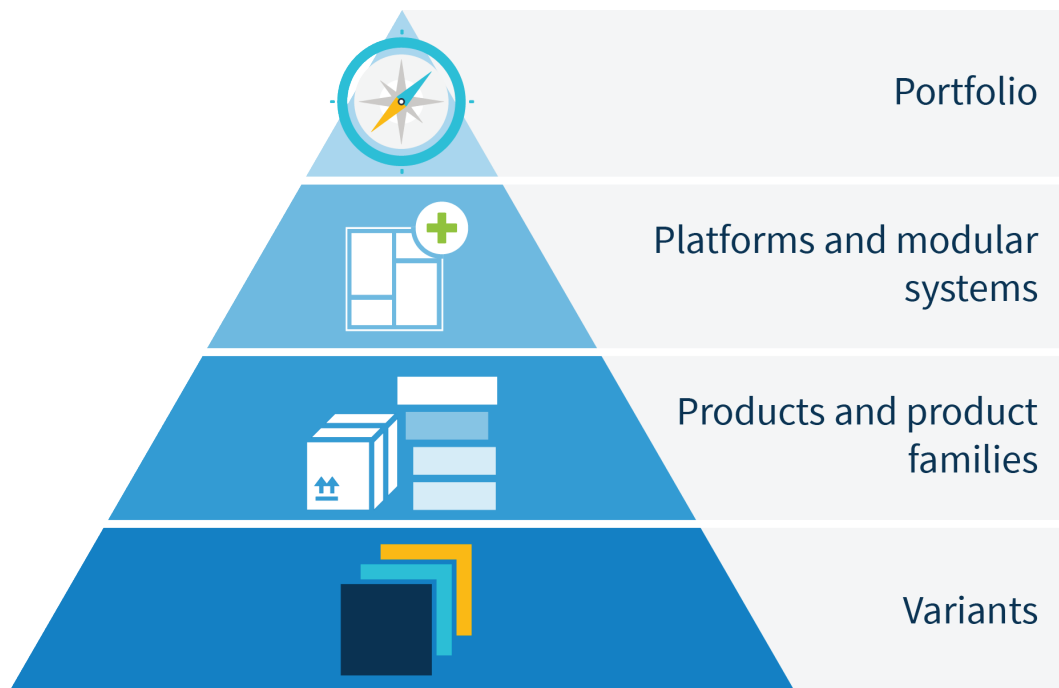

From the filtered maximum BOM to the adaptable variant BOM

Determine variability in product management and engineering

Many industries are faced with growing numbers of variants and therefore also with more exacting demands at the level of variant management. With Variants, you can describe modular platforms and toolboxes for product line engineering during the early phases of digital product development. The solution is built around the feature-based modeling of product variability. It supports the precise definition of the required solution space as well as the detailed configuration and validation of individual product variants. The advantage to you: Your enterprise can engineer and manufacture attractive products in the most efficient and reliable way possible.

Define complete variant models quickly and easily with 150% BOMs

Variants allows companies in industries with customer and order-driven product and manufacturing strategies, such as plant engineering, to combine the advantages of various strategies: You combine the speed and positive cost effects of a configure- to-order (CTO) approach with the flexibility required for individual product adaptations in customer projects (egineer-to-order/ETO). You configure your products quickly and easily using 150% BOMs (maximum BOMs) and rules. You then adapt the product structure of the selected variants to meet specific customer demands as required.

Portfolio

Platforms and modular systems

Products and product families

Variants

Use product variants as elements of product, product structure and portfolio management: Variants supports the description of modular platforms and building blocks in the early phase of product development as well as the structuring of your portfolio

Automatically supply subsequent processes with required information

The Variant Editor allows you to define the variant space and gives you direct access to BOMs, CAD models and other product-defining information. You can create BOM reports quickly and easily and combine and export variant models without difficulty. You can also display variants in the 3D viewer, in the CAD system or in the xBOM Manager. Use filters to control the values for product features and simultaneously restrict the list of variants. Even large variant spaces can easily be processed efficiently using the Variant Editor.

The BOM Wizard – automatic ERP comparison

The BOM Wizard supports users in deriving variant bills of materials. They use such variants in subsequent processes such as testing, prototype construction and customer-specific order business as well as individual new developments. When a variant parts list is released, it is also automatically compared with the ERP system. In this way, they benefit from the advantages of efficient variant creation in conjunction with their other standard processes and systems.

Develop more efficiently across disciplines through improved ECAD integration

The Variant Matrix offers an integrated, filterable view of the features and characteristics of product families. The creation and configuration of new variants and variant assemblies for the desired solution space is intuitive and user-friendly. Based on the working methods in electrical design, your users can, for example, link variable components and supplementary options with hierarchical feature structures to give ECAD users improved access to variant control in circuit diagrams.

Advantages for enterprises and employees

- Consistently determine variability in product management and engineering
- Quickly and easily define complete variant models
- Direct access to parts, BOMs and model data
- Automatically supply subsequent processes with the required information
- Develop more efficiently across disciplines through better ECAD integration

energizing great minds