



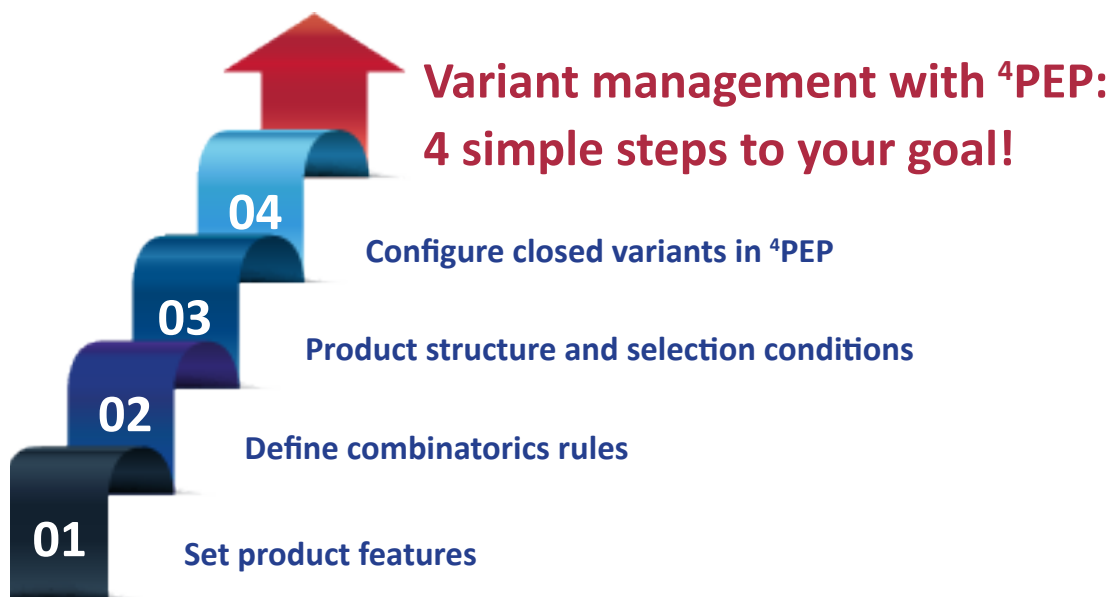
Empower Your Product Innovation with **VARIANT MANAGEMENT**

Master the increasing number of variants and complexity with a software-driven variant management!

Unlock Growth and Potential with most efficient Product Variants!

In today's business world, there is a high degree of individualization, technological progress and global competition. In order to remain competitive, companies are forced to continuously optimize their processes throughout the product life cycle. A particularly relevant topic in this context is „variant management“.

Mass Customization, as is known from the automotive industry, for example, allows customers to individually assemble their vehicle. As a result, there are many possible product variants that companies need to handle. In addition, this development is accompanied by increasing product complexity.



The individualization of products challenges traditional production processes when it comes to flexibly manufacturing the different versions of a product. The supplier's material costs can also increase due to lower quantities of a particular variant, and the release and development costs for the many possible variants can be excessively high. Furthermore, companies generally have to maintain higher storage capacities for raw materials, components and spare parts in order to be able to supply all of the different variants. Delivery times can also increase with the growing number of product variants.

Variant management for complex products always requires well-founded coordination of new solutions or product changes with all relevant areas in the company.

Such coordination is essential to ensure that the different variants can be produced correctly and efficiently. The later the coordination takes place, the greater the effort and time required to implement the necessary changes.

In order to ensure an efficient product development process, variant management has changed significantly in recent years. In recent years, **software-supported variant management** has become one of the ways of **mastering complexity** and efficiently planning and managing the many possible variants. With the aid of software solutions, companies can automate the process of coordinating and managing variants, thereby **saving time and resources**.

Enter 21st-century Variant Management

- ★ Maintain **full control over product variants** (throughout entire lifecycle)
- ★ Establish a **unified communication platform** for all
- ★ **Cut costs** by early evaluation
- ★ Enjoy **savings of 30-50%**
- ★ Gain **complete insight** into your product
- ★ Handle up to **40 times more product variations** effortlessly
- ★ Create **simple rules** for product variants

Your benefits:



Optimized Variant Diversity to meet market demands efficiently.



Divide and conquer across different realms like production and sales for smoother operations.



Mathematical modeling to analyze variants, ensuring accuracy and effectiveness.



Reliable mapping of variants across versions and validity periods.



Master Data Automation decouples variant modeling from SAP master data and automatically generates master data.

Variant Configuration powered by ⁴PEP

Variant management represents a major challenge in today's world. The **increasing number of variants** and **complex dependencies** requires powerful tools to support the definition and management of variants. It is important to avoid isolated solutions and data silos in order to prevent any inefficiencies. An **integration into the existing system landscape** is recommended.

⁴PEP is a web-based solution in modern SAP Fiori technology that offers **clarity, flexibility and data security** while being closely integrated into standard SAP processes. As our case studies show, by using ⁴PEP, companies are able to achieve end-to-end management of product variants and continue to use the variant information gathered during the early phase throughout the product development process. This leads to **considerable savings and time savings** as well as **increased data quality**.



IN CONCLUSION:

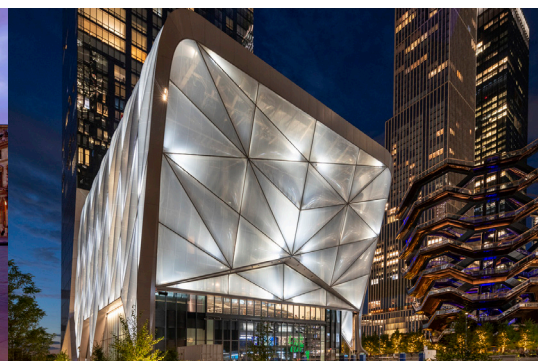
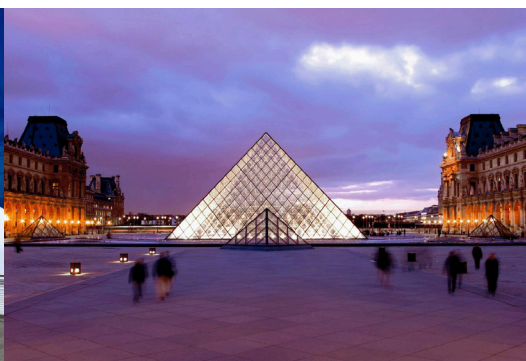
⁴PEP TAKES YOUR VARIANT MANAGEMENT TO A NEW LEVEL. DISCOVER ⁴PEP NOW!

ERCO: 40 times more variance with ⁴PEP

ERCO is a leading manufacturer of architectural lighting in 55 countries worldwide. The introduction of LED innovations has led to an explosion in the number of variants at ERCO. ⁴PEP enabled ERCO to **increase the range of variants by up to 40 times** with the same team. With the introduction of ⁴PEP, ERCO achieved considerable savings and was able to dispense with additional resources despite increasing product variance.



- **adding resources not necessary** despite the increase in product variants
- expansion of the group of users thanks to the **high degree of usability** of ⁴PEP
- considerable **reduction of throughput times** for changes in regards to product launches
- maintenance of descriptive item numbers not required anymore



“With the innovation of LED, our number of variants has sky-rocketed. Thanks to ⁴PEP, the same team can handle up to 40 times more product variations! ⁴PEP is our core for the entire product life cycle.”



Romaco: Profound integration of variant management into development processes

Romaco is a leading international supplier of process and packaging. The manufacturer's machines, lines and turnkey solutions are used for the production, filling and packaging of powders, granules, pellets, tablets, capsules, syringes, liquids and medical products. With ⁴PEP, Romaco creates and maintains extensive modularised product structures and variant models.

- **Simple creation and maintenance** of rules and product structures
- **100% consistent variant models** through validation
- No LO-VC programming required

"The use of ⁴PEP enables our development department to take a direct and primary role in the mapping and maintenance of variant diversity. This allows us to achieve a profound integration of variant management into our development processes."

B/S/H: Simple modeling of configurable products

BSH (Bosch / Siemens / Home Appliances) is one of the world's leading manufacturer of home appliances. BSH's goal is to improve the quality of life of people around the world with its exceptional brands, high-quality products, and superior solutions. To master the resulting product diversity and complexity, BSH relies on ILC's ⁴PEP.

- **easy maintenance and visualization** of the multitude of variants without any expert knowledge of SAP in the variant planning
- **seamless integration** of processes into the SAP system
- **worldwide maintenance** of the variant management process by a small team

“With the user-friendly solution ⁴PEP, employees are now able to create complex characteristics-based sets of rules for product variants after only one day of training without any programming or expert knowledge, while significantly saving time.”





Get more information about your benefits with ⁴PEP here:

<https://ilcgroup.com/best-variant-management>

