PLUSnet

The MES platform for adaptable production

The key benefits of PLUSnet at a glance

€ Cost reduction through the standardization and homogenization of the software environment

⟲ Shortening of the Time-to-Market through simple integration of new product variants

◔ Satisfies the highest demands on performance and availability with high volume production, work cycling and variant diversity in batch size 1

◉ Process optimization through more transparency and reproducibility

🌿 Conservation of resources and process optimization through paperless production

✓ Enables configuration instead of extensive development

⤧ Provides a framework for the flexible implementation of business processes

⚙ Uncomplicated integration of PLUSnet in existing shopfloor environments

Multi-variant production – is it possible to ensure product diversity as well as high quality for the customer despite cost pressure?

The challenges in discrete production increase constantly. In the manufacture of variants, manufacturers of end products are under an ever greater pressure to reduce costs. But the market trend is developing more and more towards individually tailored product offers, which involves more and more extensive requirements on the production processes. There are great untapped potentials in an efficient production control in terms of process- and quality improvement, cost reduction and production flexibility.

There are virtually no limits placed on the approaches for process optimization and quality improvement as well as for cost reduction in the attribute- and module-oriented production: Consequently, in the framework of an agile, adaptable production and assembly - completely in line with the smart factory - precisely flexible production processes will ensure as a differentiator for the decisive advantage in competition. There is a great potential concealed in the effective control of information in the production through product-related, visual worker guidance and the seamless flow of data between ERP and MES applications as well as the shopfloor.
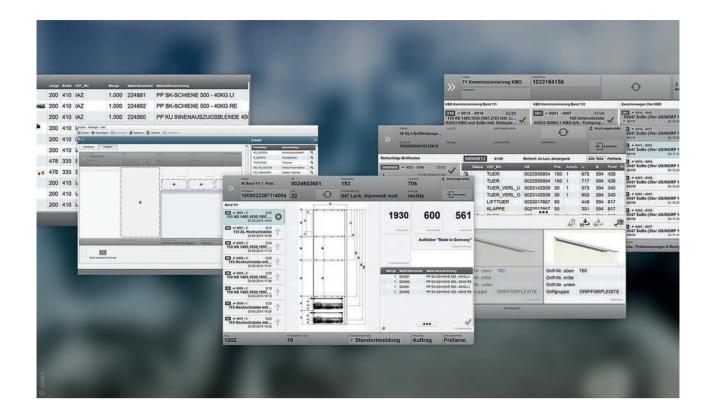
PLUSnet – Our smart solution for your challenges

Integrate our production control solution, based on SAP HANA and the NetWeaver or SAP S/4HANA platforms, in your SAP-ecosystem and thereby reduce arising maintenance costs. Our solution helps you with the optimization of your production processes. It is thereby particularly suitable for the illustration of complex processes in attribute- and module-oriented production with great variant diversity and in batch size 1. In particular we support manufacturing scenarios with high volume production and work cycling with the highest demands on performance and availability.

Paperless Production

PLUSnet makes it possible for users to create modern, workplace-related visualizations for industrial touchscreens and handhelds from a multitude of widgets. This reduces the resources required and helps to optimize your processes. As a result, product-related instructions can be provided granularly at work step level to all production locations. In addition, our visual worker guidance provides a comprehensive data overview to the individual orders. This supports your employees with the proactive planning of the next work steps and enables a flexible reaction to unexpected changes in the workflow during production.

We also offer mobile data acquisition, so that the product-related operating data acquisition is affected there, where the data actually occur – directly on the product.

Workflow Management for flexible business processes

The heart of our solution is based on a service-oriented architecture and enables the visualization of coherent business processes from a variety of single services. These can be triggered and executed automatically by optional events, for example in the production. For business processes to be newly implemented or to be optimized, our solution can fall back on building blocks existing in the system, which also enables a fast and simple adaption of these even across production plants. This way you can react quickly to changes in your production processes and thereby achieve a decisive competitive advantage.

Quality Management by means of continuous error detection

We enable a sustainable quality assurance for you with our continuous error detection. With this, besides the actual design-type-dependent error description, the reasons for the error as well as the corrections in the system are recorded. This enables reproducibility as well as transparency at any time, and therefore the optimization of your processes. Based on the data recorded you can create simple error statistics, which support your quality management in the identification of main sources of errors and the derivation of suitable measures.

High performance solutions for high-frequency production scenarios

A variety of events occur in high volume manufacturing and work cycling, that must be used for the triggering of business processes. As a high-performance supplement of the SAP product portfolio, PLUSnet enables an efficient, resource-saving and asynchronous processing of events. For this a specially developed corresponding Message Queuing was created. With that, among other things you master bidirectional plant communication with equally high requirements on quantity structure and performance. Moreover, our powerful and configurable Message Logging helps you with the analysis of business processes and at the same time makes these completely transparent and reproducible.

Shopfloor data supply out-of-the-box

PLUSnet ensures the smooth, product-related data supply of your shopfloor. Structure and origin of the information required in the shopfloor can be configured individually in a specially developed User Interface. The filling of the data takes place product-related dependent on the respective data request from the shopfloor. This way you can ensure a successful integration of your data, from the ERP over our MES into your existing shopfloor.

Let's walk the path to digitization together!

Get to know our SAP-based solution for the discrete variant production and arrange a non-binding consultation appointment with us. Write to us either at contact@abatplus.de or call us at +49 6894 388 08 -00.

About Us

abat+ advises and develops software for leading automotive manufacturers and customers from production, such as Daimler, Miele, nobilia and Qoros. The company provides expertise in all phases of the IT-Service-Management, from the orientation of the business processes, via development through to implementation and maintenance of standardized solutions.

Talk to us:

Volker Weidner
+49 6894 388 08 -00
contact@abatplus.de
www.abatplus.de
abat+ GmbH | Kaiserstraße 170-174 | 66386 St. Ingbert | Germany