



CER Center for Enterprise Research

ERP SYSTEM OF THE YEAR **2016**  
INNOVATION AWARD

# APplus HIGHLIGHTS

## APplus 6.3 – Smart Factory, Smart Processes, Smart Users.

Digitization, Industry 4.0 and Smart Factory. The ERP industry is currently experiencing tremendous upheaval. Increasing volumes of data are being produced in modern production halls. To cope with this, even business solutions themselves have to take a step towards the future. ERP software therefore has to be adapted to its core to meet the high requirements of smart production scenarios.

What users need is ERP 4.0:

- Improved adaptability
- Higher speed of adjustment
- More openness
- More flexibility

„Digitization in the industry requires not just smart factories, but smart processes and users as well. We call this ERP 4.0: reduced complexity, less administrative effort, and increased speed. These objectives of modern IT systems also have to apply to ERP solutions today. Only in this way can companies actively participate in shaping digitization, instead of chasing after it.“

Christian Leopoldseder,  
Managing Director Austria

### **APplus 6.3: more efficient processes. Less maintenance effort.**

The new APplus 6.3 is a real ERP 4.0 solution. It places users in the center. Fewer programming hurdles, less maintenance effort, more user friendliness. For efficient day-to-day work and improved performance in the smart factory. Among other things, APplus offers:

- **A universal Business Integration Framework (BIF):** The BIF enables external systems to be integrated without any development and maintenance effort.
- **Dynamic attributes:** These enable specialist users to enhance data fields without any programming knowledge.
- **Innovative container management:** This new feature makes production and batch information traceable at container level.
- **Additional functions for third-party assembly and outsourcing with provision of materials:** These ensure that the process flow is optimized as well as better tracking.
- **Support for parallel production:** Articles such as by-products, scrap and waste quantities can be defined as multiple falling parts.
- **Simplified administration of several clients:** This enables completely separate clients to be set up in an APplus system.

### **The new Business Integration Framework (BIF)**

#### **Connect external systems without any programming effort**

APplus 6.3 gives you the opportunity of linking third-party solutions without any programming effort. This means you no longer need to develop an individual interface for each connection.

- Easier to connect external systems
- Reduced maintenance effort when making changes to connected systems

#### **How does the new BIF work?**

- A special communicator converts the information to be transmitted in the output system into an adaptive data structure.
- This is done depending on the type of system or its native data structure.
- The BIF sends this adaptive information to the receiving system.
- Here, the communicator also ensures that the data is decrypted into the receiving system's language.

## More power for the smart factory:

### Link in-house organizational units

You can even benefit from the BIF's simple linking functionality in-house:

similarly to when you connect external systems, the BIF also enables several in-house APplus installations to be linked efficiently. In this way, you can implement different organizational units in your company in an independent ERP system – and then use the BIF to map the business processes in full.

**The data can be distributed optimally as required:** frequently required orders are retained locally, whereas documents that are used less often are stored in distributed locations.

### An overview of the advantages:

- Increased efficiency for your business process
- Reduced load on the network infrastructure thanks to reduced data traffic
- Improved performance and flexibility for the smart factory

## Smart processes for smart users

### Enhance ERP data without any programming knowledge

Today's increasing competitive pressure makes continuously further developing your product portfolio essential. With the dynamic attributes of APplus 6.3, entirely new product features are no longer a problem for users.

With APplus, necessary changes to business objects can be made simply and conveniently– directly from the user interface and without the need for any programming knowledge.

- The attributes are passed on to other objects such as quotations or orders.
- Together with business logic – such as a price calculation – it is sufficient to program a simple Java script. The ERP source code remains unchanged.

### With dynamic attributes, APplus provides improved efficiency in everyday practice:

- Quick and easy changes to the ERP system
- Reduced modification effort for your IT department
- Unrestricted release capability of the changes and enhancements made



## The new container management solution from APplus 6.3

### Optimized processes for the factory of the future

Containers are playing an increasingly important role in numerous industries. Among other things, they ensure that products can be transported without damage, and provide information about the number and nature of their contents.

The new APplus 6.3 software enables you to seamlessly track production and batch information back to the individual parts and goods at container level.

### The new APplus version thereby optimizes production processes with smart machines:

- Using container management, containers are mapped in APplus so there is always a reference to the workshop order and the work step.
- Intelligent machines report back production data and can now transfer this directly to the containers of the processed parts.
- This means that all required data is also immediately available on the subsequent machines.
- This ensures that the various parts and semi-finished goods are further processed correctly in the next work step.
- The smart factory's degree of automation increases.

# ADDITIONAL FUNCTIONS

For third-party assembly and outsourcing with provision of materials.

APplus 6.3 offers a number of new functions for third-party assembly and outsourcing with provision of materials – thereby making it considerably easier to track the provided parts.



- Goods issues for provided parts can be combined, since a direct reference to the bill of materials line item which is a provided part is no longer necessary.
- Quantity increases in the purchase order for third-party assembly (due to supplier minimum order quantities, for example) are possible with immediate effect.
- The stocks and materials planning of materials provided can be controlled along the warehouse planning run.

## Support for multiple falling parts

Several articles are often created during a production process, such as right and left parts or scrap and waste quantities to be defined explicitly.

Such by-products can be identified in APplus 6.3 in the master bill of materials item as multiple falling parts:

- During the warehouse planning run, primary and secondary articles are considered as a dispositive unit and the requirements are determined jointly.
- First, the requirements are determined separately for the primary article and for each individual secondary article.

- The final requirements then result from the maximum requirements for each individual day, taking the previously determined earlier requirements into consideration.

## Simplified administration of several clients with a master database

With APplus 6.3 for the first time you can:

- Set up completely separate clients in a database and therefore an APplus system.
- Work with separate client databases for each client in an APplus system.
- Simultaneously keep individual master data tables client-neutral, or split them provided the clients are kept in a database.

Compatibility with previous client concepts and with systems without clients is maintained at all times, so that client systems that are set up differently do not need to be migrated.