



**Build
Product creation**

**Manage products
and release them
for production**

PRODUCT DESIGN MANAGEMENT

Build helps manufacturing businesses get both new and evolving products on the production line; quickly, efficiently and accurately

Build helps the product development and production departments to manage requirements and specifications for new products, plan and keep track of the progress of relevant development tasks and add finished products into the ERP System.

Key Issues

Adding products to the ERP is often seen as the final hurdle in the product development process; getting a product ready for production is a difficult, hands-on task. There are many factors involved in making a product; the product manager needs to communicate the vision and materials used for the product, the production itself needs to be planned by the production manager, and issues and mistakes can lead to several iterations before a product is completed.

Communication between departments is essential in this process to ensure the right materials and production methods are used. But this process is often managed manually, leading to mistakes and lost production time.

Build, aimed primarily at the Production & Product Development departments, fixes this problem by providing a clear framework to guide each department through their responsibilities in this process, ensuring products are added to the system accurately and efficiently.

Build gives product managers the tools to integrate between their product development software and ERP system and gives production managers a fast way to add and update products that need to be produced, including the management of its operation plan. Other stakeholders in the process, such as shop floor employees who are building the products, or sales employees who are managing customer relationships, can use the software to track product updates or report problems that need to be addressed.

Use case

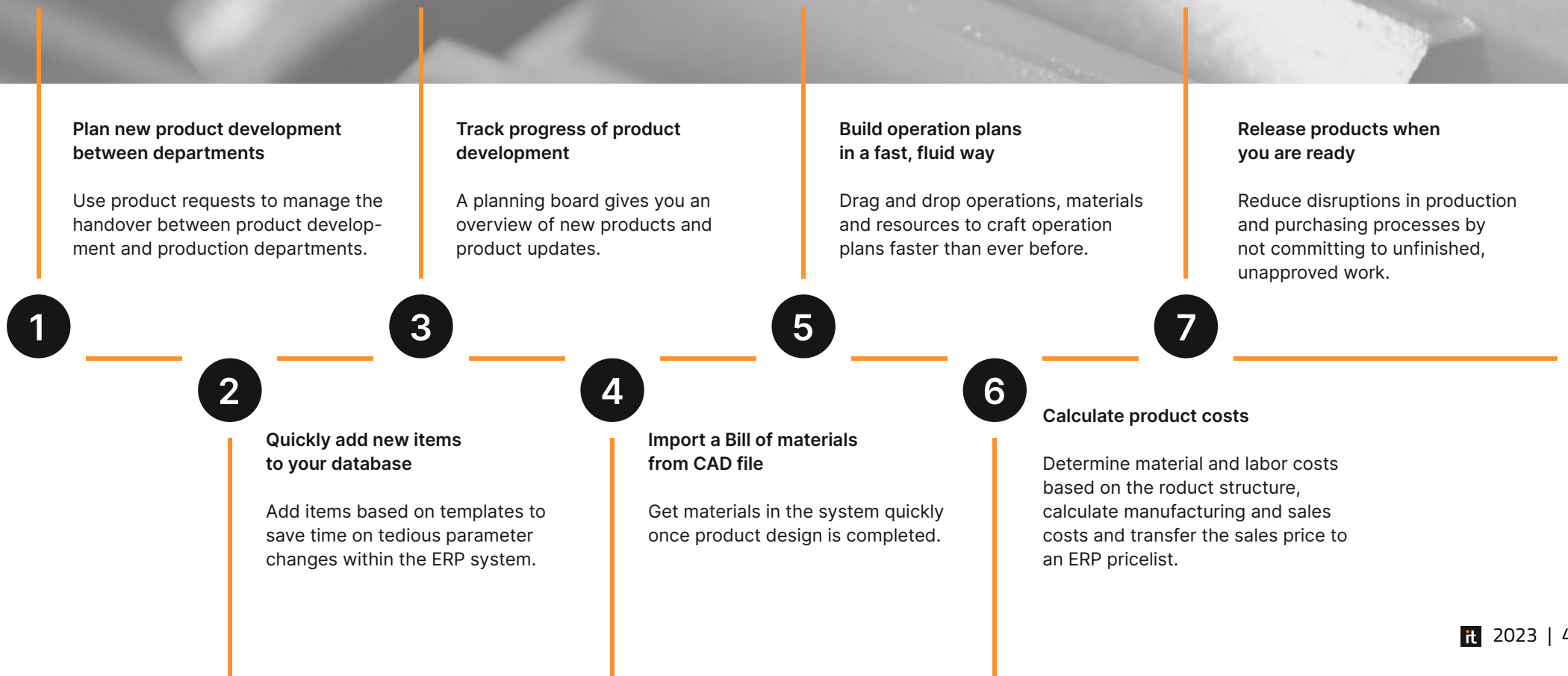
So what does that mean in practice?

Let's imagine we have a company that designs and manufactures high-quality racing bicycles. There is a product development department that's tasked with experimenting and pushing the boundaries of design. When the design is complete they would usually need to have a meeting with the production manager to transfer knowledge about the design, and then email documents to him to allow him to prepare the new bike for production. Then the production manager goes into the ERP and starts to add the required materials manually to the system one by one. All sorts of parameters are added to the new materials until finally the operation plan is complete. This plan is based on the Bill of Materials received from the product manager, and is often in the form of a spreadsheet.

This process can cause various issues. For example, the manual copying of the BoM can result in errors through materials or quantities being entered incorrectly. This only comes to light when production has already started, it becomes apparent that the required material is not in stock and the production manager is informed of this by a shop floor employee. As a result, a new iteration of the operation is required, stock is not ordered and production is delayed.



How Build can improve this process



Key benefits and functions

Planning board

- Keep track of production items currently in product development, plan these requests and track progress.

Attachments and tasks

- Manage attachments such as specifications or drawings as well as product request tasks

Track product statuses

- Track completion date, see the current status of each product request.

Bill of materials import

- Use an Excel template to import Bill of Materials from your CAD or PDM solution.

Bill of materials management

- Manage new imported Bill of Materials, add materials or items from other products or create product requests for individual items.

Operation plan management

- Craft operation plans in a fast and fluid way; drag and drop operations, resources and materials into your plan based on an imported Bill of Materials.

Add items, resources, and operations

- Create and edit required items, resources, and operations so they can be used in the operation plan.

Template items

- Define templates to simplify the creation of new articles and avoid errors in parameter selection.

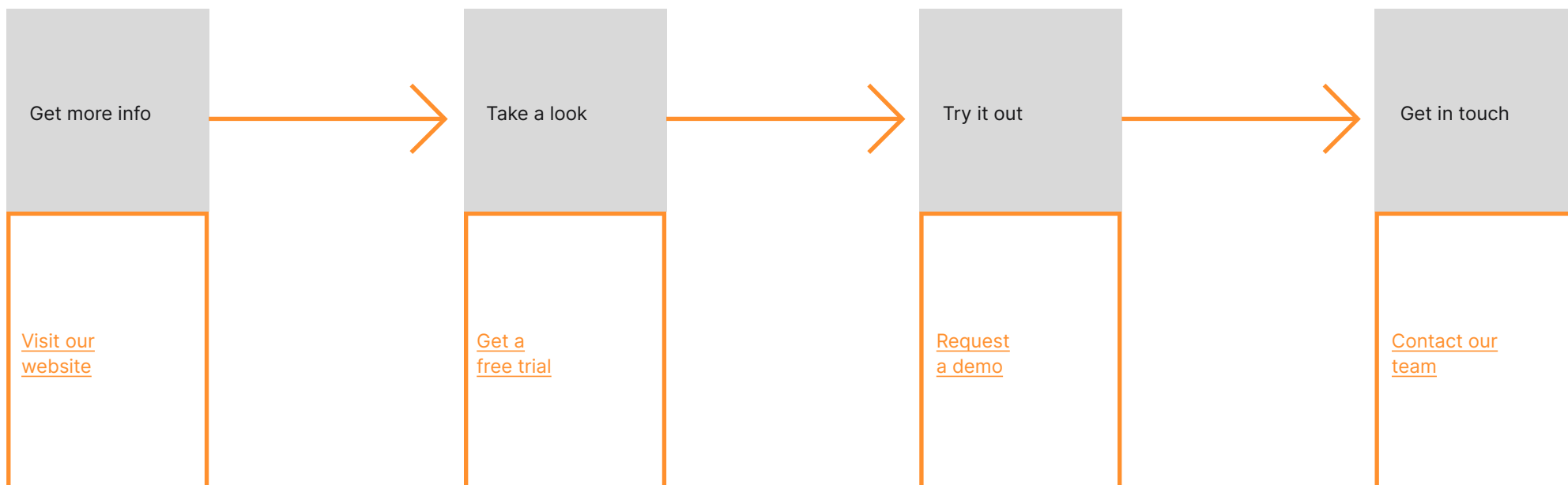
Product history

- Track completed product requests for individual products to review changes.

Product Costing

- Calculate new and evolving products and transfer the determined sales price to an ERP price list.

Next steps





Industry leading solution provider

Boyum IT Solutions is an award-winning development house that started in the SAP ecosystem and now has over 25 years of ERP experience and customers in 130 different countries. Around the world, our 600 partners work together to provide all users with the best tools to optimize their system and make it a smooth and seamless platform. Our vision at Boyum IT is to inspire companies to achieve sustainable growth and competitive advantage. Now and in the future!

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