BOM STUDIO

Multisource-based creation
of individual bills of materials

BOM Studio
Error-free, without delay, 100% traceable.

Bills of materials (BOMs) are essential for the implementation of projects in mechanical and plant engineering. They are used for costing, trigger orders and internal production orders and serve as the basis for after-sales service. Errors in BOMs inevitably lead to project delays, additional costs, extra work and – not to forget – customer complaints and an associated loss of image. The scope and growing complexity of products are leading to an increase in the number of sources and input formats that make up BOMs. In addition, more and more departments and disciplines require customized bills of materials, both in terms of content and output format. Manually creating and managing these BOMs is error-prone and time-consuming and requires a great deal of experience from employees, often engineers. They then lack this time in the projects.

Challenge: Variety of bills of materials in terms of characteristics and format

Some companies are aware of this problem and have already developed their own applications or Excel macros to get to grips with the confusion of BOMs. However, a d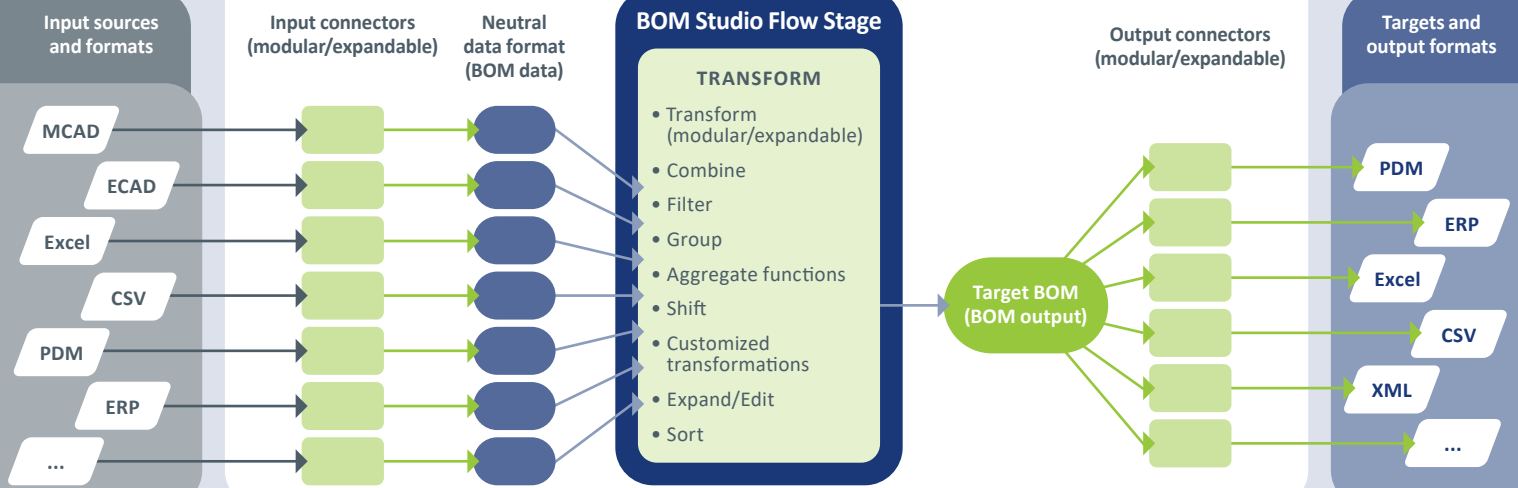isadvantage of these solutions is often that sustainable support and documentation as well as flexibility with new rules or sources cannot be guaranteed. This raises the question of how secure and effective this approach really is.
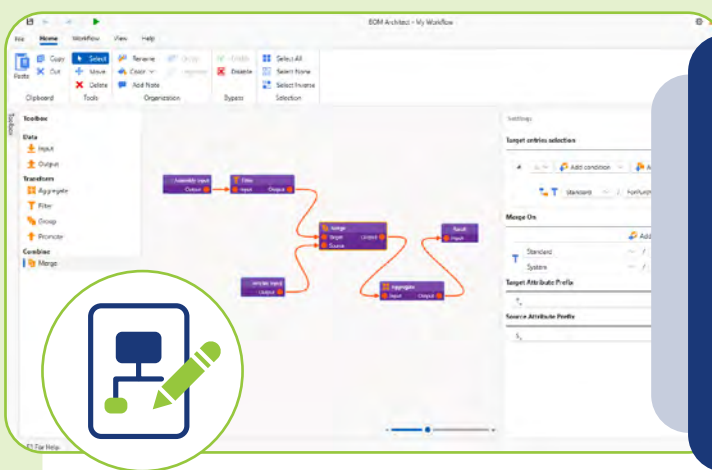
Input sources and formats

- CAD
- ERP
- PDM / PLM
- XLSX
- CSV
- XML
- SQL
- TXT

BOM lists

- Sales BOM
- Costing BOM
- Engineering BOM
- Production BOM
- Assembly BOM
- Customs BOM
- Spare parts BOM

Targets and output formats

- XLSX
- CSV
- XML
- SQL
- TXT
- ERP
- PDM / PLM

BOM Studio is the professional solution for all these challenges. This freely configurable software enables access to the required information from the desired sources - without delay, 100% traceable and error-free, and with minimal staff involvement.

The data is harmonized, recompiled based on definable rules and output in various formats. BOM Studio can be flexibly adapted to new requirements, sources and additional file formats.

Input sources and formats	Input connectors (modular/expandable)	Neutral data format (BOM data)	BOM Studio Flow Stage	Output connectors (modular/expandable)	Targets and output formats

BOM Studio Flow Stage

TRANSFORM
- Transform (modular/expandable)
- Combine
- Filter
- Group
- Aggregate functions
- Shift
- Customized transformations
- Expand/Edit
- Sort

Input sources and formats:
- MCAD
- ECAD
- Excel
- CSV
- PDM
- ERP
- ...

Target BOM (BOM output)

Targets and output formats:
- PDM
- ERP
- Excel
- CSV
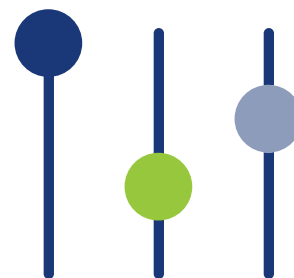- XML
- ...

BOM Studio modules

Architect

The BOM Studio Architect is used to create configurations and rules for processing the input data. It also defines the triggers that initiate automated processes. The graphical user interface enables intuitive operation without the need for programming knowledge.

Administrator

The BOM Studio Administrator is responsible for managing the users and assigning the permissions. This ensures efficient organization and security of data processing.

Client

The BOM Studio Clients manually start defined workflows. The processes are executed via a central server to ensure smooth and effective workflow control.

BOM STUDIO

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