

the essence of your success



# FS INPUT

the functional  
specification database  
powered by  
vogelbusch  
biopharma

# FS INPUT<sup>®</sup> the functional specification database



## Generate functional specification documents in a standardized and consistent way

**FS INPUT<sup>®</sup>** is a database tool for the creation of functional specification documents for process automation of batch operated biotechnological plants. **FS INPUT<sup>®</sup>** was developed to meet the high standards of GMP regulation in life science industry. It enables the user to generate functional specification documents in a standardized and consistent way. The flexible and modular structure of **FS INPUT<sup>®</sup>** follows the guidelines of ANSI/ISA-88 and allows the execution of various automation concepts used in large and complex projects.



## Central data and revision management

In order to provide the highest level of data integrity, **FS INPUT<sup>®</sup>** stores all information in a central database. Version control is an essential feature in engineering. In **FS INPUT<sup>®</sup>** each document has a unique revision number as well as a detailed revision history. Earlier revisions are saved and can be viewed but no longer be manipulated in order to maintain integrity and traceability.

## Efficient and consistent workflow

**FS INPUT<sup>®</sup>** supports the import of the physical model of the plant and several hierarchical levels (e.g. process cell, unit, equipment module, control module). But the essential purpose of **FS INPUT<sup>®</sup>** is the description of process functionalities in phases, equipment modules and control modules. The class-based approach in combination with the master / reference system allows an efficient and consistent workflow. This results in a significant reduction of effort needed for preparing and modifying functional specification documents.

## For the total life cycle of functional specification documents

**FS INPUT**<sup>®</sup> can be used for the total life cycle of functional specification documents, e.g. for document creation, software coding and qualification. Moreover, the tool helps to keep the functional specifications up to date during process optimization.

## Customized document format

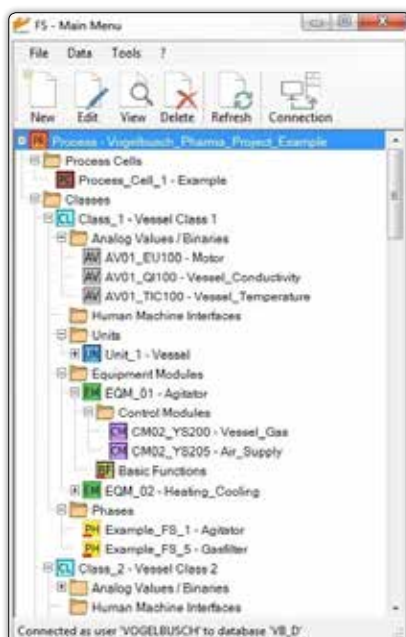
Templates used for the generation of documents and spreadsheets can be modified according to customer requirements. Besides customizing formal and content related details, also columns and rows for documentation of test results can be implemented. While the user language of **FS INPUT**<sup>®</sup> is English, the project specific content of the functional specifications can also be generated in other languages.

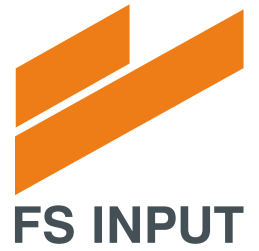
## Customer support

Customer support is provided by a ticket-based online platform which is complemented by a knowledge database. Furthermore, workshops and trainings as well as assistance for setup and modification of databases are offered, in order to get the best results with **FS INPUT**<sup>®</sup> right from the start.

## Benefits

- Generation of functional specification documents in a standardized and consistent way for projects in a GMP environment
- Flexible and modular structure following the current guidelines of ANSI/ISA-88
- Suitable for complex and large scale projects
- Significant reduction of effort and high level of consistency due to master / reference system and class-based approach for physical model of the plant
- Central data and revision management
- Support the total life cycle of functional specification documents - documents can be used for software coding, qualification and process optimization
- Reduction of effort for the subsequent generation of functional design specifications due to the high standard of functional specification documents generated in **FS INPUT**<sup>®</sup>
- Independent of the selected automation system
- Optimized for process automation of batch operated biotechnological plants





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