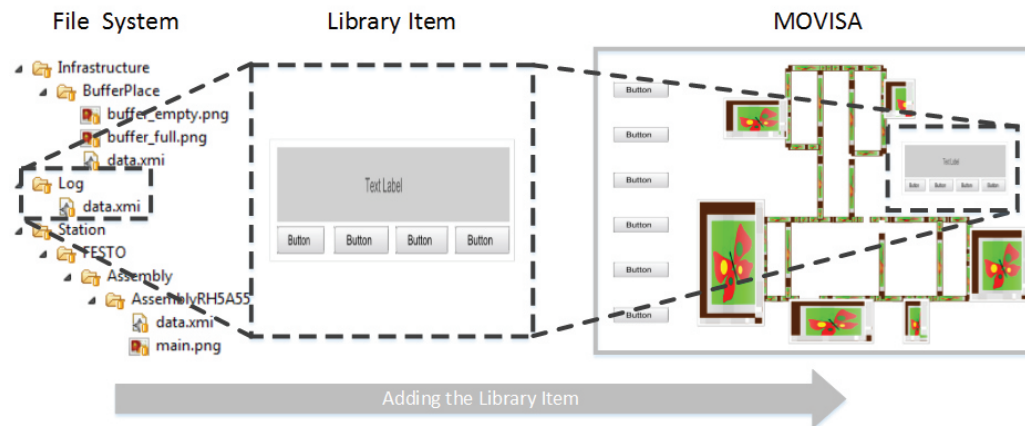




## Conception of a library system for the tool environment MOVISA

The tool environment MOVISA was developed to create user interfaces for controlling and monitoring automated plants. It uses the principle of model-driven software development. Most programs in this domain use libraries for visualisation components, which helps to reuse elements and to reduce the development time and cost.

Therefore is the objective of this thesis to develop such a library for MOVISA.



The implemented solution includes the definition of meta-models for library elements and a data structure for managing these elements (see figure above). They contain the presentation, functionality and also the access to the process data server.

The functionality of the library will be validated by sample elements in the project AutoProBe. It uses MOVISA to generate automatically user interfaces for production plants from plant models. For this purpose, the transformation will be changed to use the library.

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