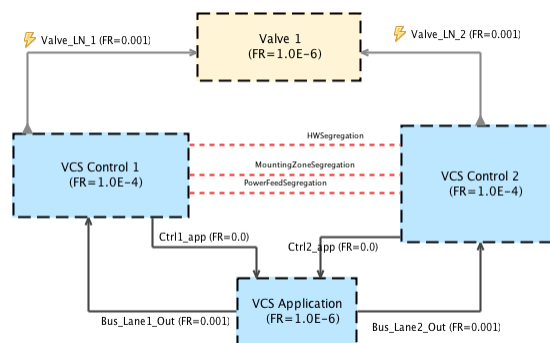


Viewpoints and abstraction levels

FMT models have two viewpoints with different abstraction levels:

- Logical level: function blocks are identified, signals and power connections are established, and deployment constraints are defined.
- Physical level: more details are added to the model, including resource requirements, IO and media types, virtual links, etc.

The tool supports partial transformation from logical to physical level, and traceability between the levels. The tool has been developed in collaboration with representatives of the end users.



FMT as part of the ASHLEY Tool Framework (ATF)

The FMT tool is integrated with other tools in the ASHLEY toolchain through the ASHLEY Tool Framework (ATF).

FMT supports export to the Platform Evaluation Tool, and results from the evaluation such as allocation to modules can import back into FMT.

After Maturity Gate 3 (MG3) FMT models can be exported to the Platform Configuration Tool (PCT) for further development.

The Function Modelling Tool (FMT) supports the system designer and function suppliers in modelling IMA function blocks with their properties, topology and constraints.

Technology and research behind FMT

FMT is based on Eclipse and the modelling frameworks EMF and Sirius. The SINTEF researchers behind the FMT tool has a decade of experience in the research areas of Model Driven Development (MDD) and Domain Specific Languages (DSL). Our research interest is in how models can be used to improve all areas of software development, with special focus on usability, productivity, reuse and traceability through the design and development process.

