

AUTOMATIC DLL GENERATION OF SIMULINK MODELS

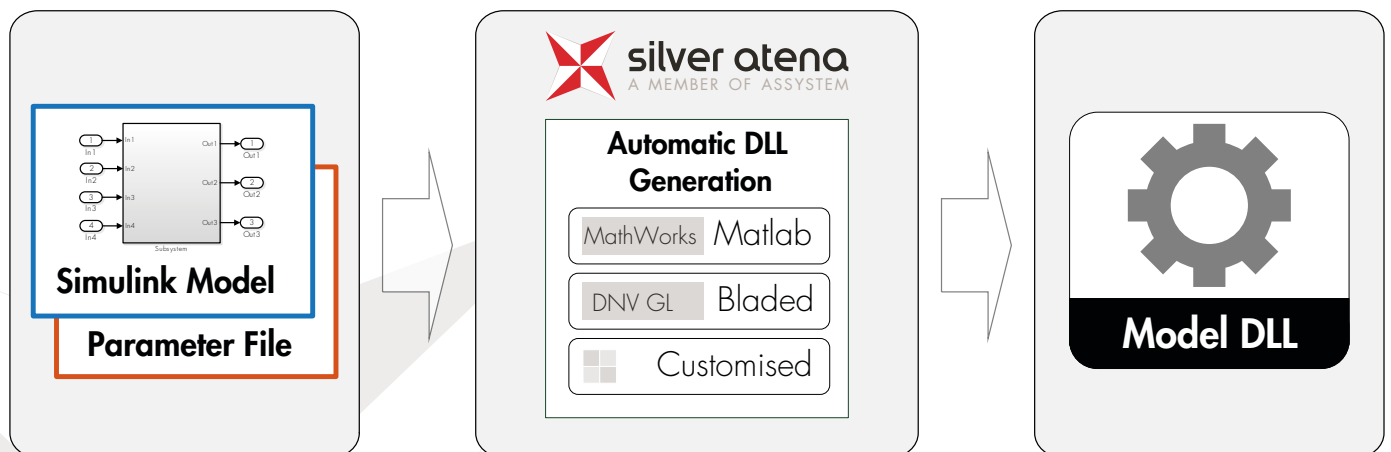


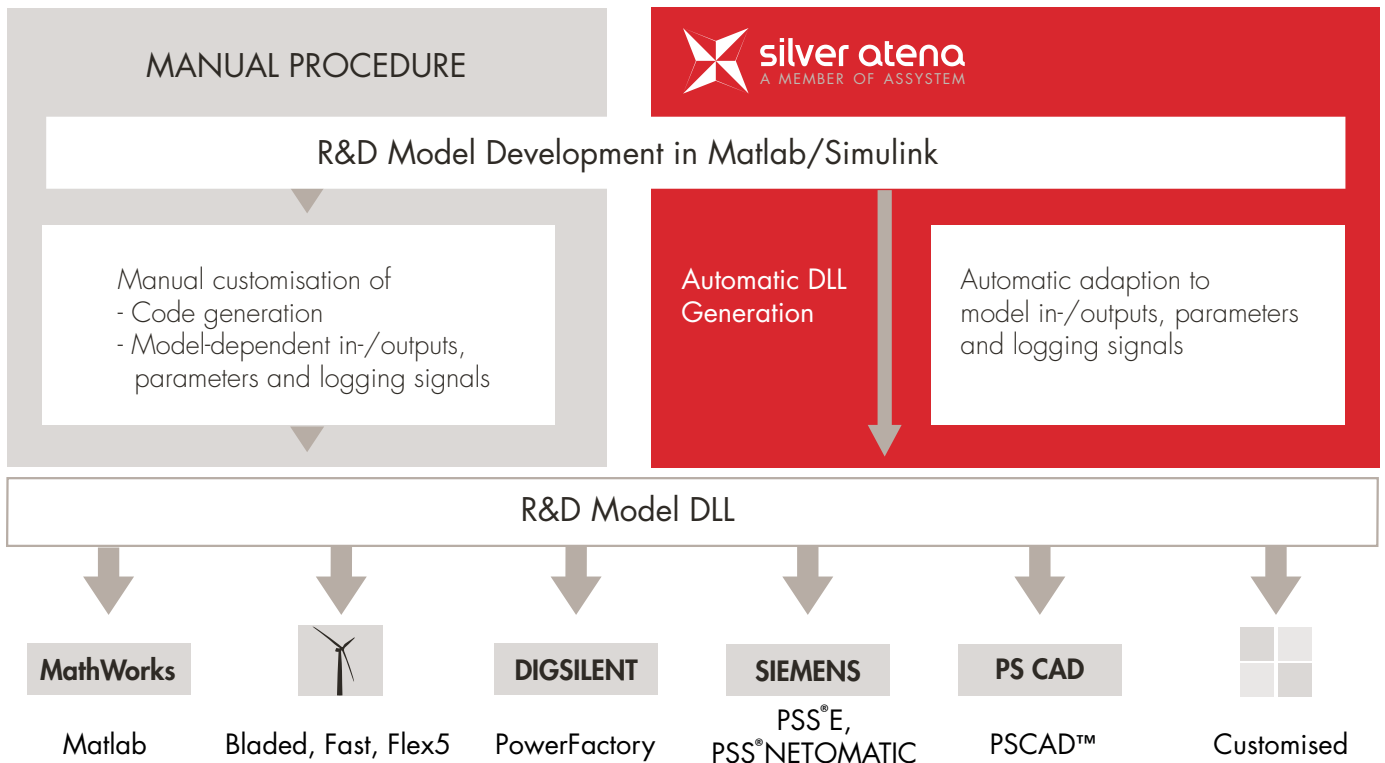
SILVER ATENA offers well-tailored software solutions. Customers benefit from our experience in the development of safety-relevant systems and model-based systems engineering.

Transient events in systems can require a holistic view, which may involve joining different simulation environments. Mostly, inclusion of external models is supported by Dynamic Link Libraries (DLL). SILVER ATENA has developed a tool that generates a DLL from an arbitrary model in Matlab/Simulink.

FEATURES

- Specific simulation target support: Bladed, FAST or Flex5 for wind turbine simulation, or simply Matlab
- Ports and logging signals are accessible through function parameters or shared files
- Support of tunable parameters





BENEFITS

- Co-simulation of complex systems is made easy
- Optimised workflow and reduced development time due to the automated process
- Automatic adaption to I/Os, tunable parameters and logging signals
- No need to manually adjust the Matlab code-generation templates after model changes
- Reduction of error susceptibility
- Models in DLL files are protected from intellectual property violations
- The tool supports different software interfaces and is expandable to the customer's needs



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