We manufacture hearing instruments and accessories for the hearing impaired, such as remote controls. We use MBSE in project development that realizes these products.

Mr. Jesko G. Lamm,
Senior Systems Engineer at Bernafon AG
Co-founder of the FAS Working Group of GFSE
www.fas-method.org
Challenges

- Manage the complexity faced by Systems Engineers
- Improve communications within engineering project teams
- Ensure consistency among design artifacts
- Reuse existing specifications from similar projects

Solutions

- Adopt MBSE to enable a more efficient systems engineering process
- Provide intuitive MBSE tools for engineers
- Develop processes for MBSE based on SYSMOD and the functional perspective that comes with the FAS method
- Make the system model a single source of truth
- Use different views of the model to show different development teams their focused view of the system under development

Results

- New projects can be planned and broken down efficiently based on existing models from similar projects
- People in the development team can communicate with clear context and terminology
- Everyone in development is working with up-to-date information because our models are a single source of truth for the architecture of our systems and the terminology used

Learn More

- The FAS method used by Bernafon is a method for the use-case-driven creation of a functional architecture for systems.
- FAS plugin is available for MagicDraw at www.fas-method.org
- Find out more about FAS and Bernafon approach in “Model-based System Architecture” book