



Technology Cooperation for joint embedded Software Solutions

Together we can address critical certification use cases with mixed-criticality by joining SYSGO's PikeOS real-time operating system and Hypervisor with ANSYS SCADE tool features for the transportation market which allows model driven development within a graphical environment.

Joint technology approach for the following ANSYS products:

- SCADE Suite code generation for PikeOS environments (single- and multi-core)
- Support of SCADE multi-rate applications

ANSYS Integration Toolbox for PikeOS includes

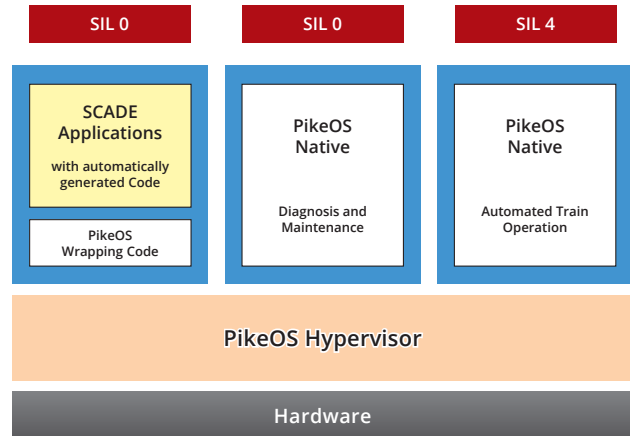
- Services to generate dedicated integration code and configuration file
- Fully User configurable on multi-rate and multi-core
- Automatically generates:
 - C-wrapping code
 - Task configuration
 - I/O management

ANSYS SCADE Suite Workflow for PikeOS represents

- Model design in SCADE Suite
- RTOS code adaptation and C code generation settings
- Seamless integration with CODEO IDE
- C code generation with KCG
- Generating light weight and optimized C code with PikeOS Adaptor
- Use of SCADE Suite generated task(s) in PikeOS projects

CUSTOMER BENEFITS

- In-house expertise to ease the integration of ANSYS tools and SYSGO operating software to help customers reduce risk such as addressing complex Safety use cases up to SIL 4 level, cost reduction of test-, modification- and certification effort or reduction of dead code
- Pre-integrated components to reduce time to market
- Broad platform architecture support for ease of project start
- Safety & Security expertise to reduce risk in certification projects



About Ansys - ANSYS provides a model-based embedded software development and simulation environment with a built-in automatic code generator to accelerate embedded software development projects. System and software engineers use ANSYS SCADE solutions to graphically design, verify and automatically generate critical systems and software applications with high dependability requirements.

About SYSGO - Founded in 1991, SYSGO became a trusted advisor for Embedded Operating Systems and is the European leader in hypervisor-based OS technology offering worldwide product life cycle support. We are well positioned to meet customer needs in all industries and offer tailor-made solutions with highest expectations in Safety & Security.