



Technology Cooperation for joint embedded Software Solutions

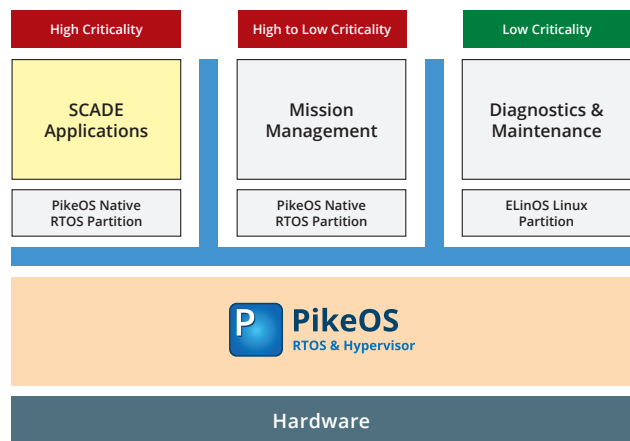
Together, Ansys and SYSGO address Safety-critical software solutions that comply with Safety standard regulations while accelerating time to certification by a factor of two. This is accomplished by combining SYSGO's PikeOS real-time operating system with Ansys' SCADE model-based development tools.

Ansys SCADE Suite Workflow for PikeOS

- Design application logic and/or graphics in Ansys SCADE Suite/Display
- Generate safe applicative C code with Ansys SCADE Suite/Display KCG
- Generate (customizable) integration C code and PikeOS configuration files with Ansys SCADE Integration Toolbox
- Seamlessly integrate into the CODEO IDE:
 - Import SCADE-generated code (applicative and integration)
 - Configure PikeOS tasks
 - Create embedded target partitions and set up their I/O communication
 - Set up multi-rate and multi-core as required
 - Build a binary image and run it on target, or on host in a virtualized environment

Products supporting the joint Approach

- Ansys SCADE model-based software development environment (SCADE Suite, SCADE Display)
- Ansys SCADE Integration Toolbox for SYSGO PikeOS
- SYSGO PikeOS Real-Time Operating System (RTOS)
- SYSGO Hypervisor layer
- SYSGO CODEO IDE



CUSTOMER BENEFITS

- Reduce your overall time-to-market and certification costs by up to 50%
- Achieve certification for embedded applications at the highest Safety levels under standards such as DO-178C, ISO 26262, EN 50716 or IEC 61508
- Safely mix high and low-criticality applications on the same embedded target
- Support Safety-critical multi-rate applications on a large variety of hardware target platforms

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.