

Basic Toolchain

- **Enterprise Architect** from Sparx Systems (Systems Engineering or Ultimate)
- **LieberLieber AM|USE** – UML Simulation and **footprint optimized C Code** Generation ⁽¹⁾
- **Willert Deployer** – integrates generated source code into your embedded IDE Projects
- **Willert Runtime Framework** – hardware abstraction layer with **extremely small footprint** ⁽¹⁾
- **UML Target Debugger** – enables you for monitoring of code execution on target **without any code instrumentalization**
- Embedded IDE and RTOS of your choice ⁽²⁾

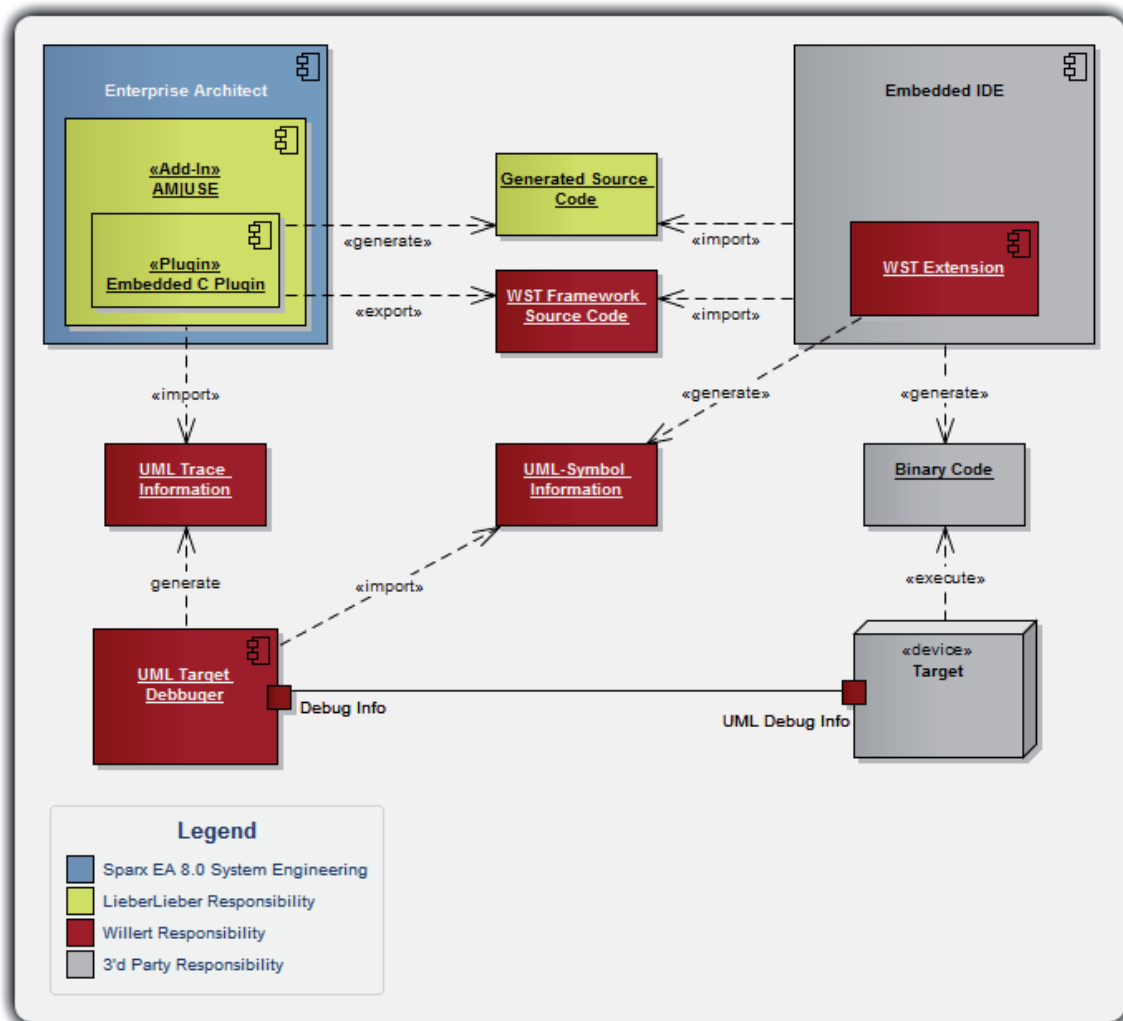


Figure 1: Toolchain Overview

⁽¹⁾ Prepared for MISRA. Documentation and validation on demand

⁽²⁾ Supported IDE's / Compilers - Keil C166, Keil MDK ARM, IAR EWARM, IAR M16C, IAR M32C, Analog Devices Visual DSP++, GNU gcc, Tasking C166 V8.x, TI CodeComposer, IAR Microchip dsPIC/PIC24, Microchip MPLABC32, Altera NIOS II gcc, MS Visual Studio 2008
Supported RTOS - CMX-RTX, OO-RTX, RL-ARM, embOS, VDK, Linux, EUROS, DSP/BIOS, Windows
Further Platforms, IDE's, Compilers on demand. Source: <http://www.willert.de/unterstuetzte-zielplattformen/>

Supported Process

UML Modeling -> Model Simulation -> Code Execution on Target -> UML Debugging -> Offline Analysis

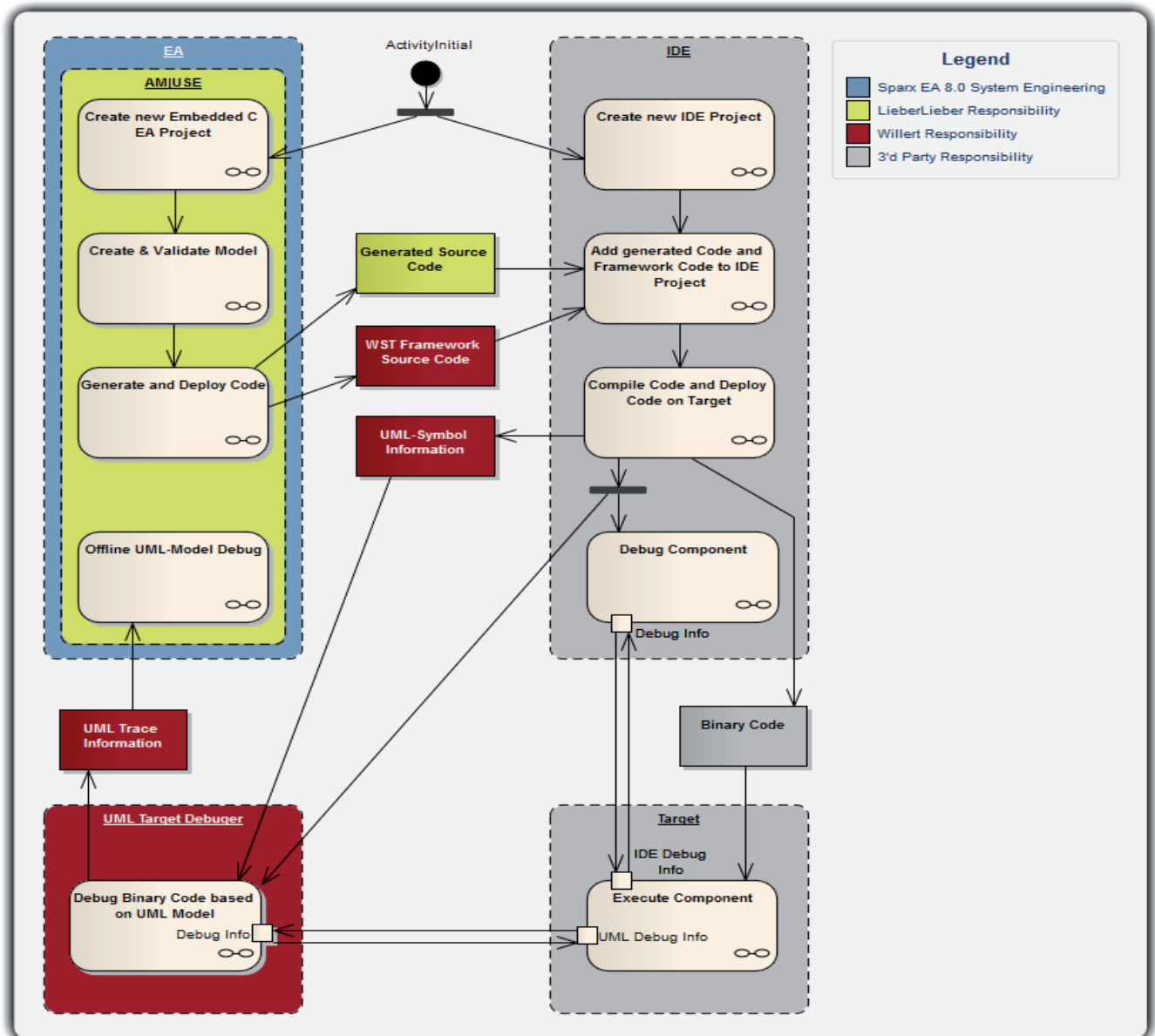


Figure 2: Process - from EA Model to Target and back

Simple Installation

We provide professional installation packages – small and simple to handle

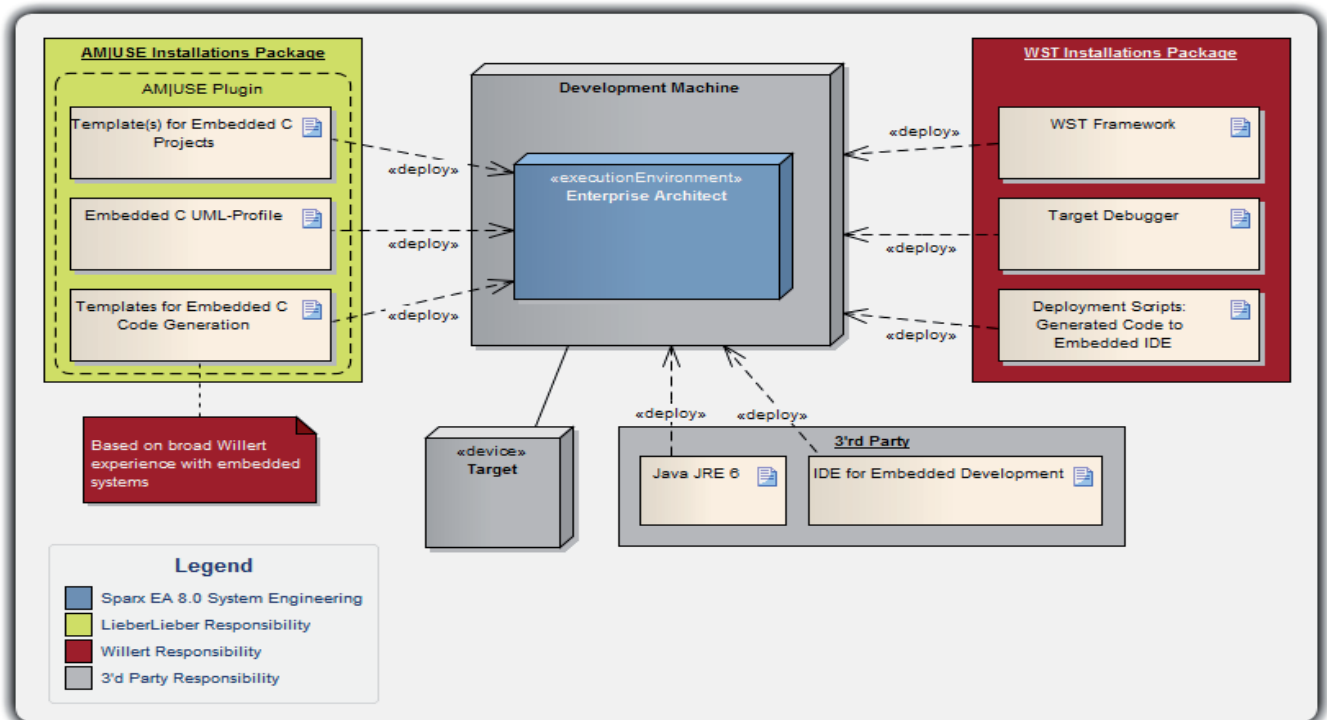


Figure 3: Installation & Deployment Overview