AURIX 2G Hands-on – Tool Installation
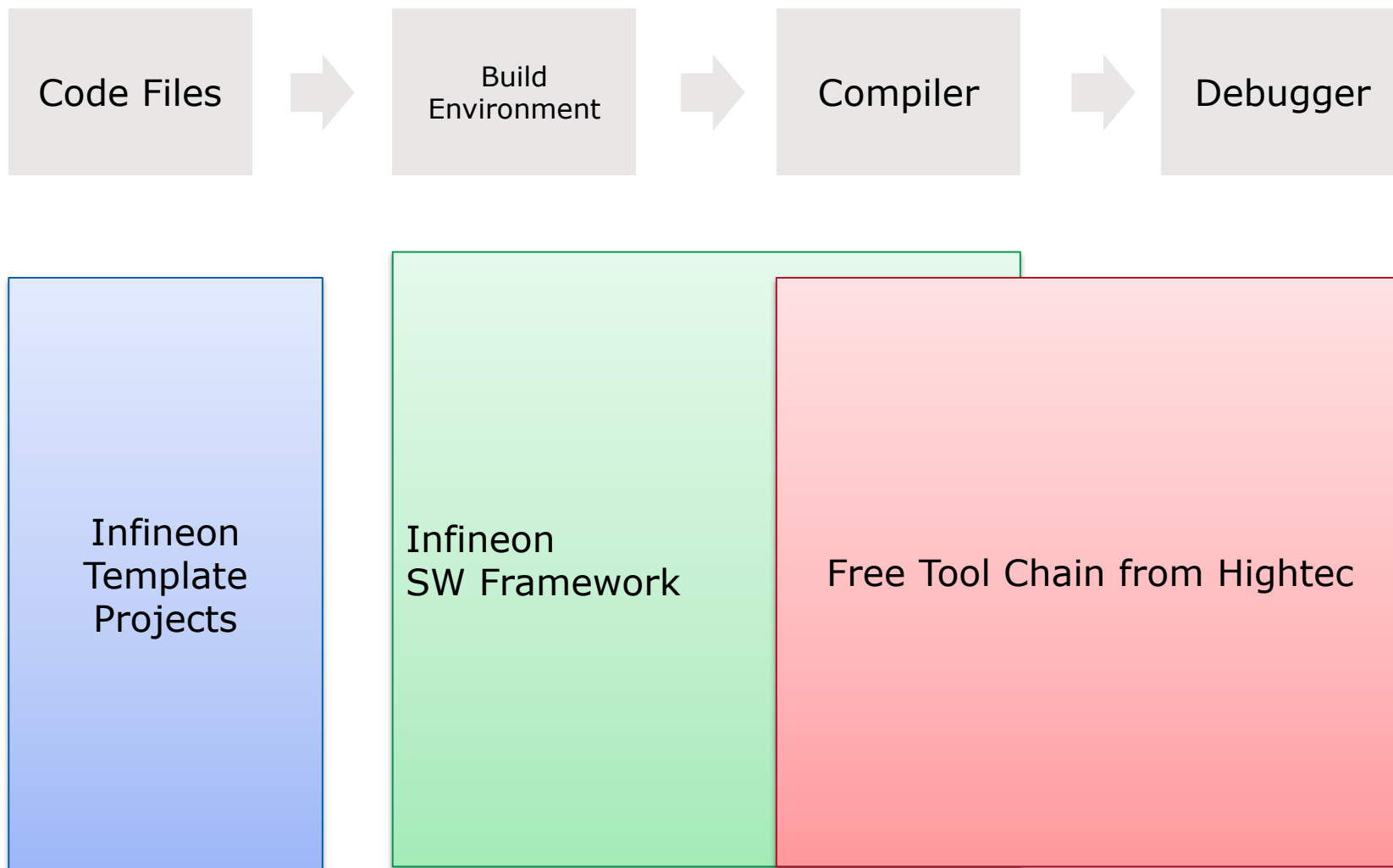
IFCN ATV SMD GC SAE MC

History List / Changes

› Module Name: Hands On

› Module Owner: Matthias Marquardt

› Slide Target: Tool Installation

› Slide Version: 1.0

› Slide Status: Released

› Last Modification: 03/12/2017

› Revision History:

– 1.0 First version

Tool Overview for Handson

Code Files	→	Build Environment	→	Compiler	→	Debugger

Infineon Template Projects

Infineon SW Framework

Free Tool Chain from Hightec

Hightec Free Entry Toolchain

› GNU Compiler 4.9.1.0

› PLS Debugger (UDE Desktop)

› Hightec Eclipse IDE

› Example Project

› We will use

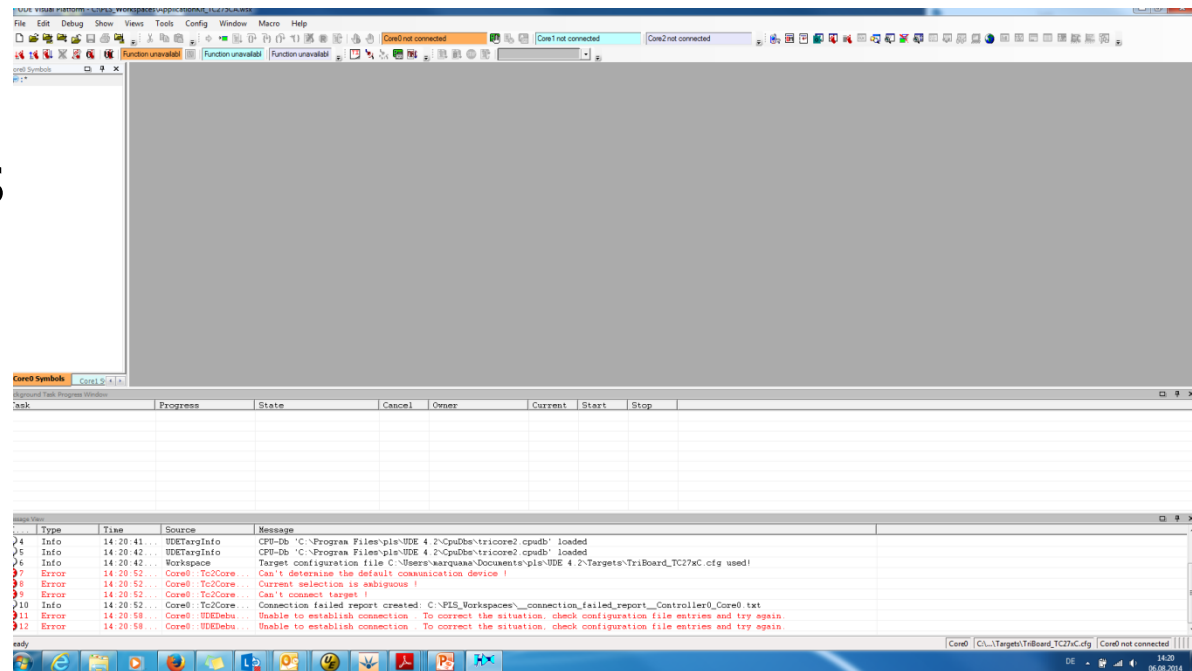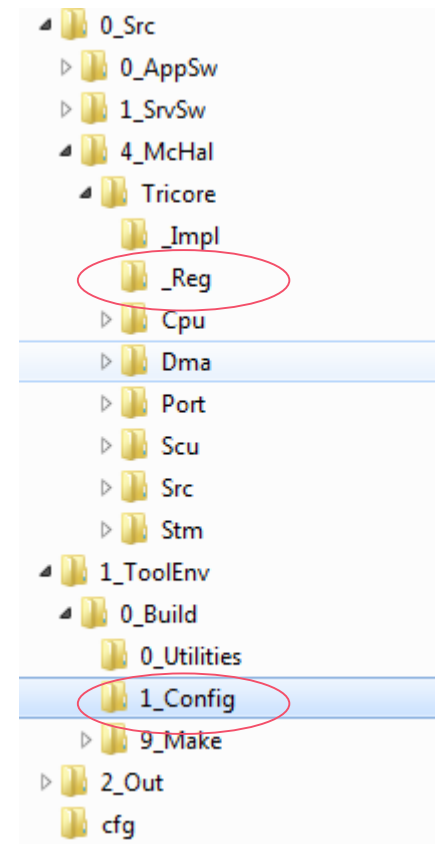– Debugger from PLS

– GNU compiler

Infineon SW Framework

› Build Environment for quick start

› Supports three compilers (Hightec, Tasking, Windriver)

› **Eclipse** or Command Line based compiling

› Provides SW Templates for each derivative

  – Special Function Registers

  – Map Files
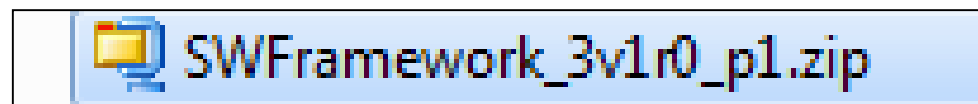
  – Startup

  – Basic Drivers

  – Main.c for every core

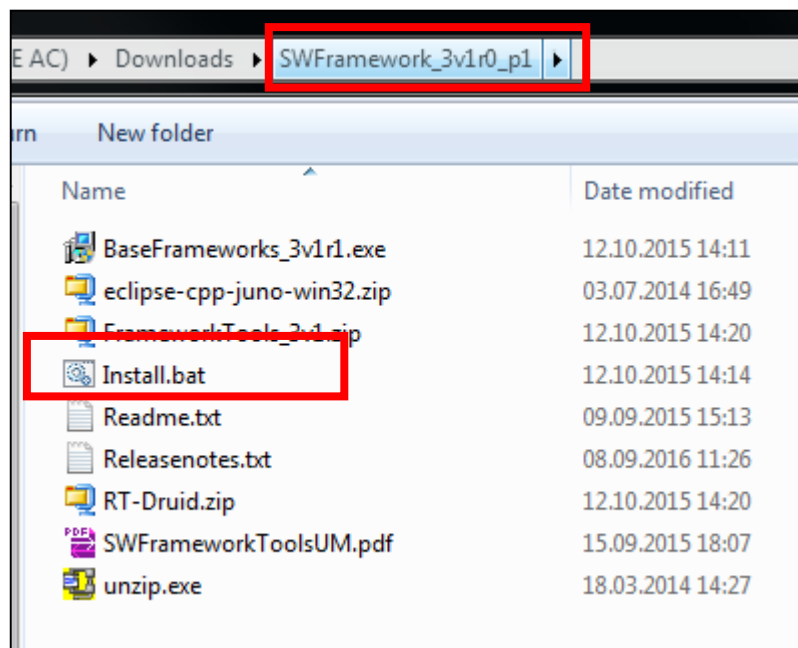# Tool Overview for Handson – How does it link to development ?

Coding	→	Compiling	→	Debugging

Infineon Template Projects

Infineon SW Framework

Free Tool Chain from Hightec
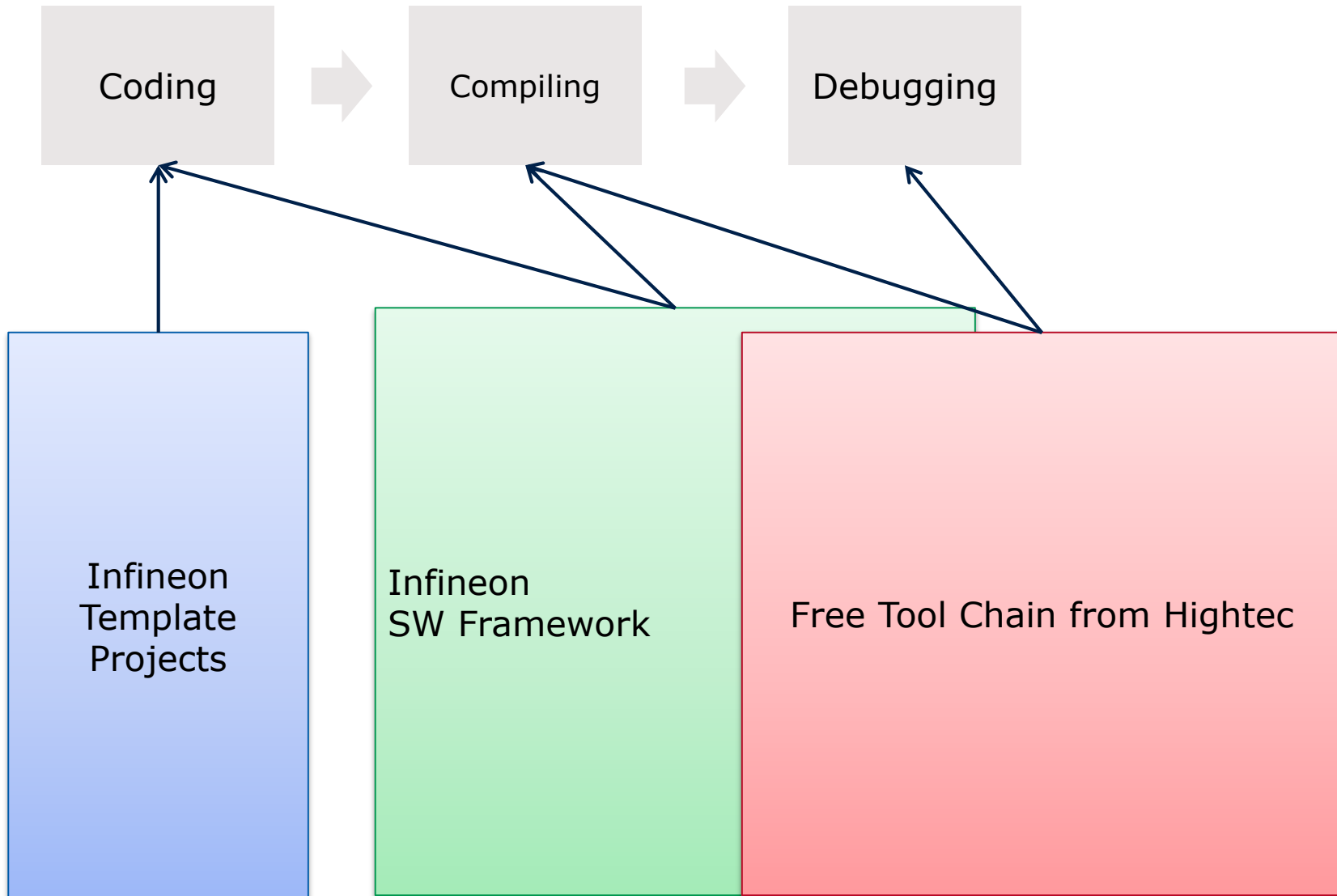
SW Framework installation (1)
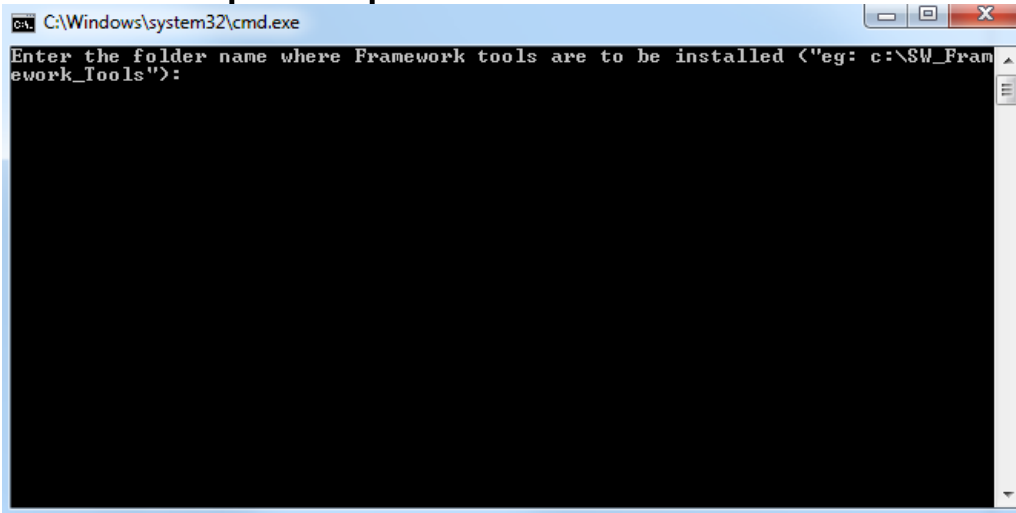
› Unzip the downloaded Archive

SWFramework_3v1r0_p1.zip

› Navigate into the target folder and run the **install.bat**
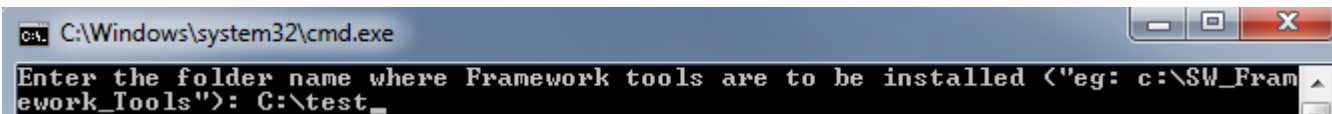
SW Framework installation (2)

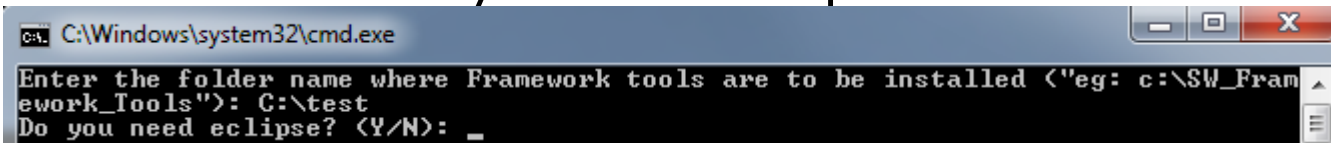› You are prompted for the installation directory for the **tools**

› Enter the correct path that you find suitable

› You are asked if you need Eclipse

› Please answer with **yes**
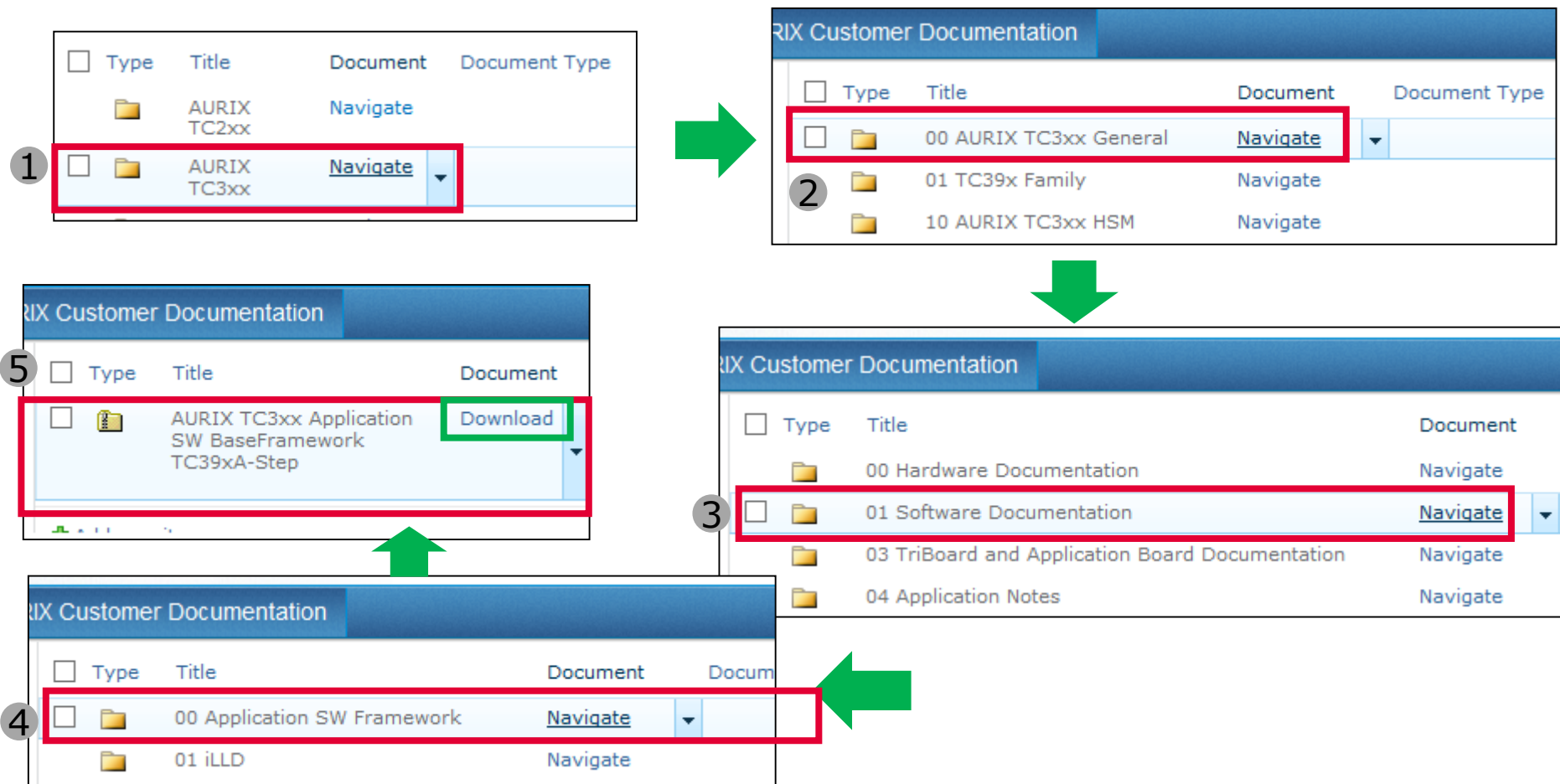
SW Framework installation (Result check)

› Navigate to your selected installation folder
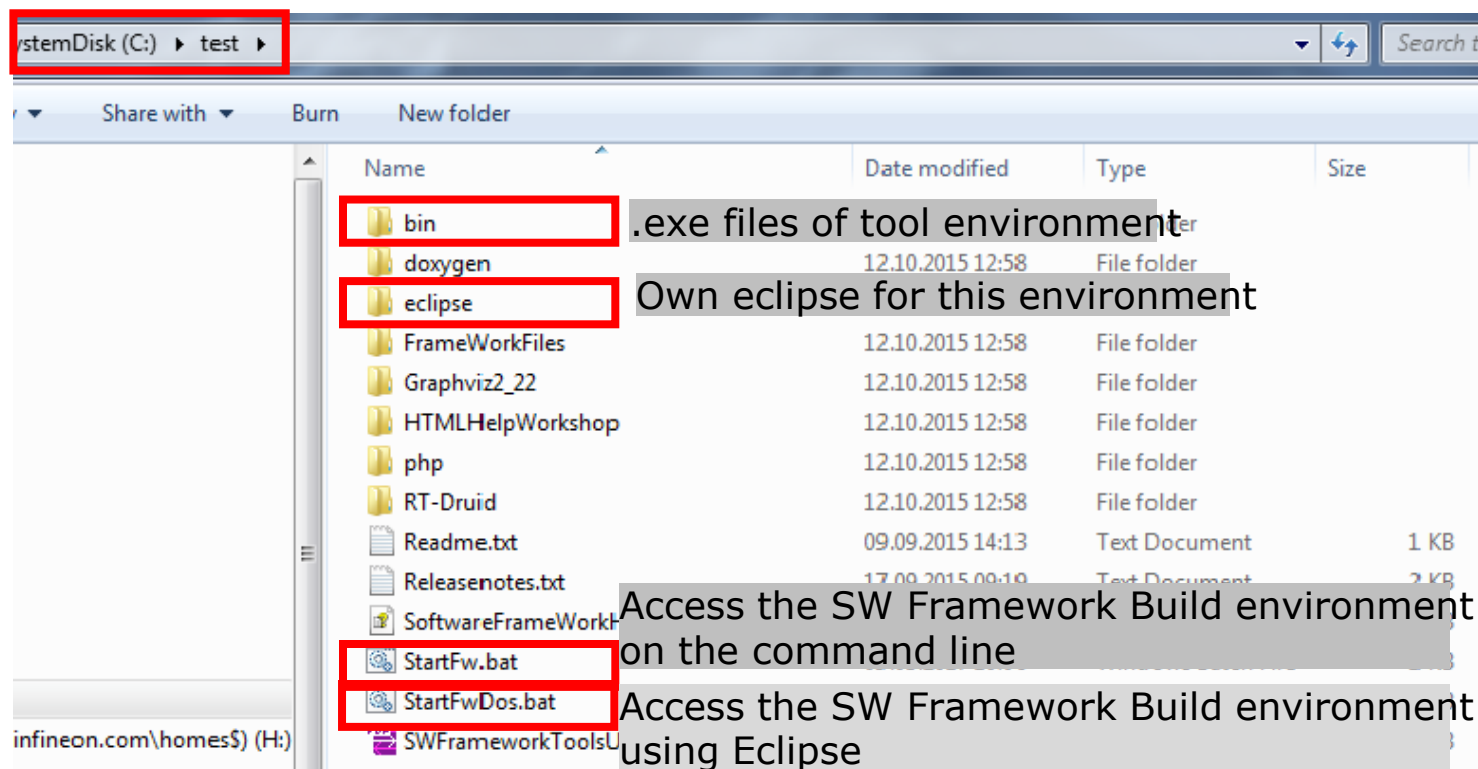
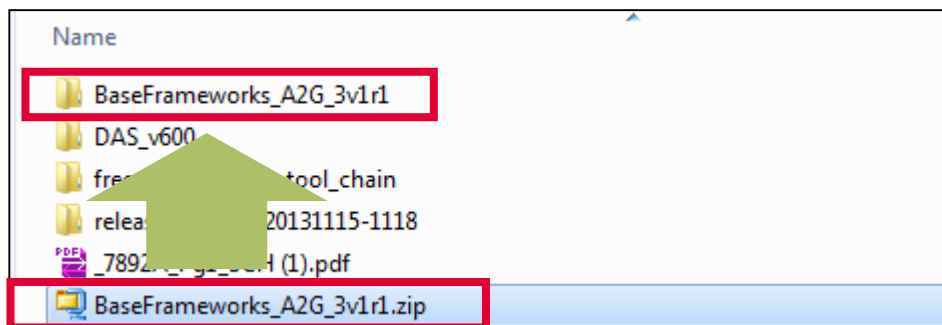› You have successfully installed the SW environment, now we only need the Template projects

Install Infineon Project Templates (1)

› On MyInfineon, navigate to the AURIX Customer Documentation share

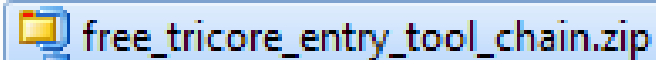# Install Infineon Project Templates (2)

› Extract the downloaded zip file

› Run the installer

Free Entry Toolchain Installation

› Get your license key from Hightec

› http://free-entry-toolchain.hightec-rt.com/

› Download the Toolchain installer

free_tricore_entry_tool_chain.zip

› Unzip the file to a folder and enter the folder

Name	Date modified
toolchain	27.02.2017 16:17
ude	27.02.2017 16:18
Setup.exe	10.02.2017 10:03
setup.ini	10.02.2017 10:03
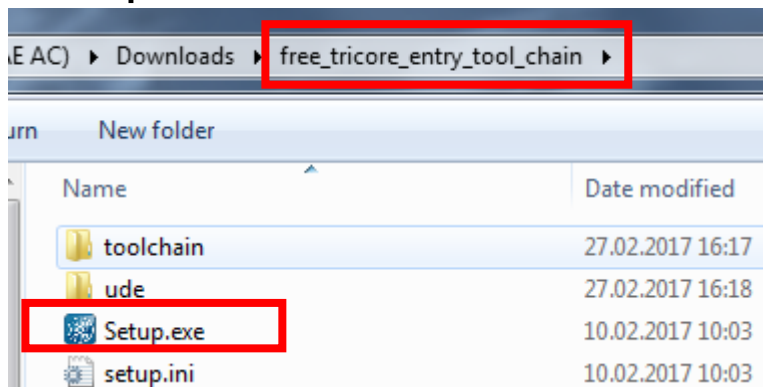
› Install the Free Entry Toolchain by running the **Setup.exe**

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