

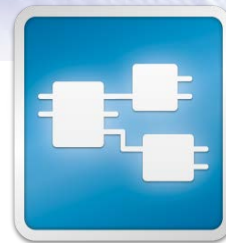


Technology for Automation Leaders

**KW-Software SoftPLC
solution based on QNX**

梁恩泉

Head of KW-software Shanghai Office



KW-Software 简介

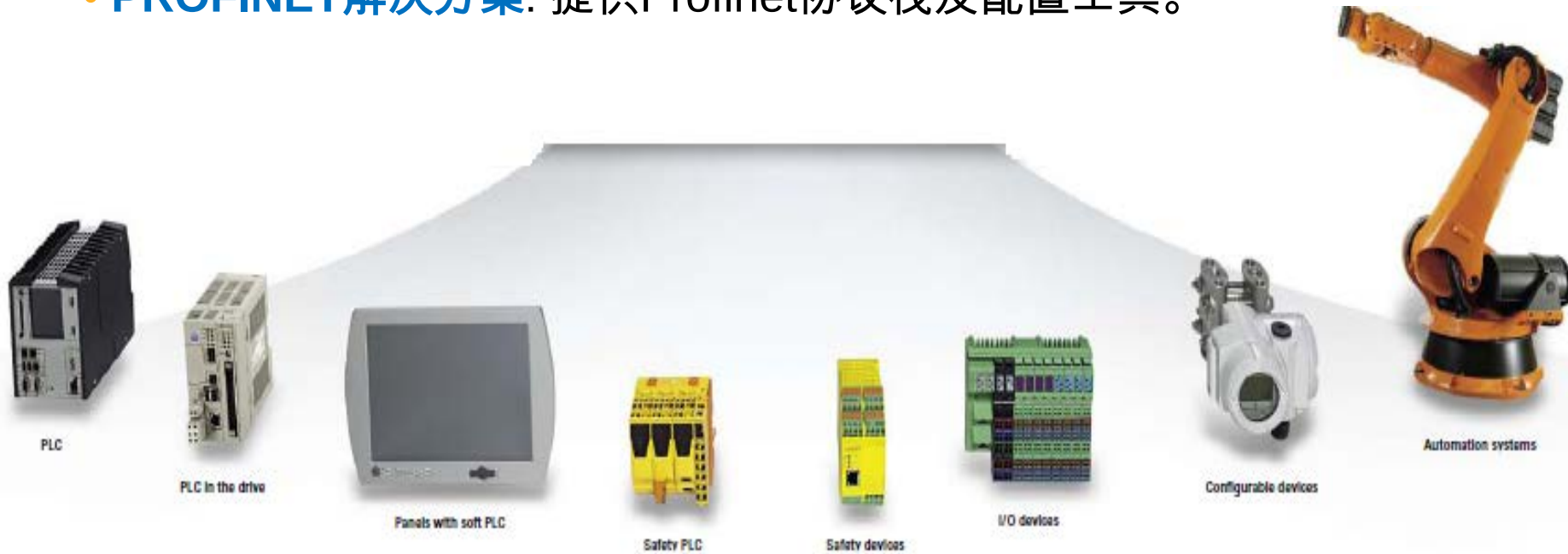


- 成立于1982
- 总部：Lemgo Germany,
分支机构：China, Japan, USA
- **专注 专业**
- 已提供了300多套 SoftPLC解决方案



Technology for Automation Leader !

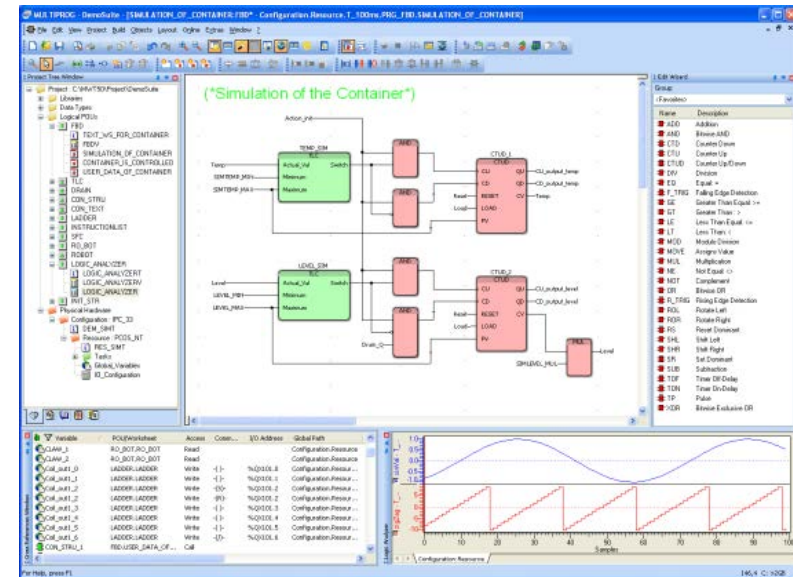
- **IEC 61131解决方案:** 提供SoftPLC运行内核和编程系统；
- **SAFETY解决方案:** 提供符合IEC 61508 的安全PLC运行内核及编程系统（已经TÜV莱茵认证，SIL3等级）；
- **PROFINET解决方案:** 提供Profinet协议栈及配置工具。



IEC 61131解决方案



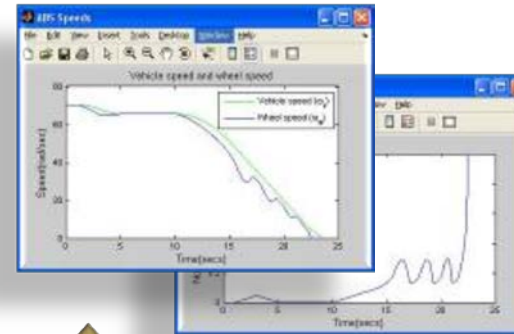
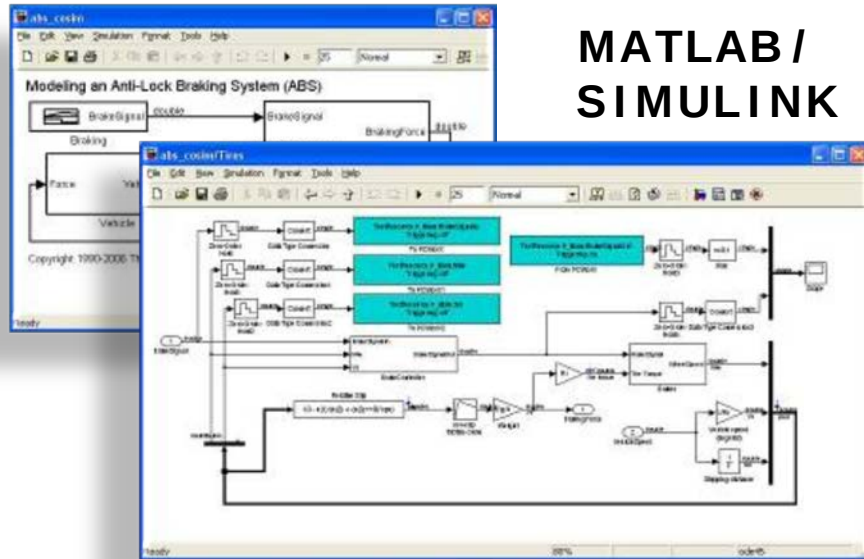
- 完全符合IEC61131标准（5种语言）；
- 支持中文；
- 支持实时多任务及事件中断；
- 调试（断点/在线修改/逻辑分析仪...）
- 编译执行方式——效率；
- 支持不同的硬件平台：
x86, PowerPC e300/e500, ARM7/ARM9/ARM11, SH2/SH4, Cortex-M3/M4/A8/A9 ...



MULTIPROG – PLCopen XML Code Generation with Matlab Simulink



**MATLAB /
SIMULINK**

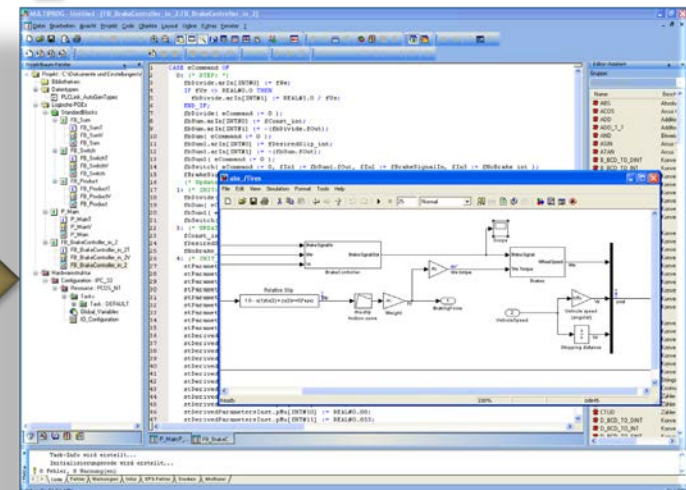


OPC

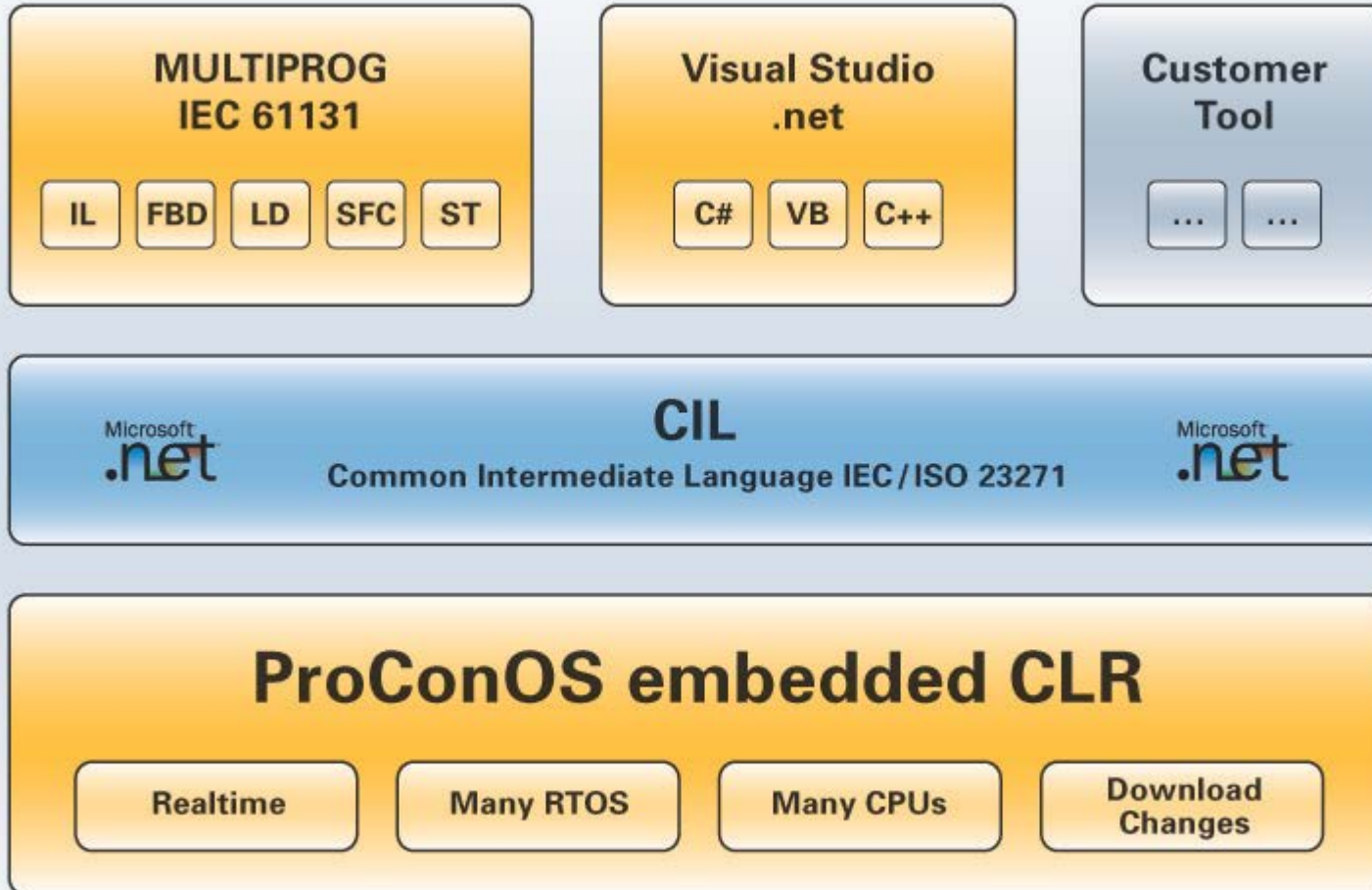
MULTIPROG

PLCCoder

**PLCopen
XML (ST)**



Advanced System Architecture



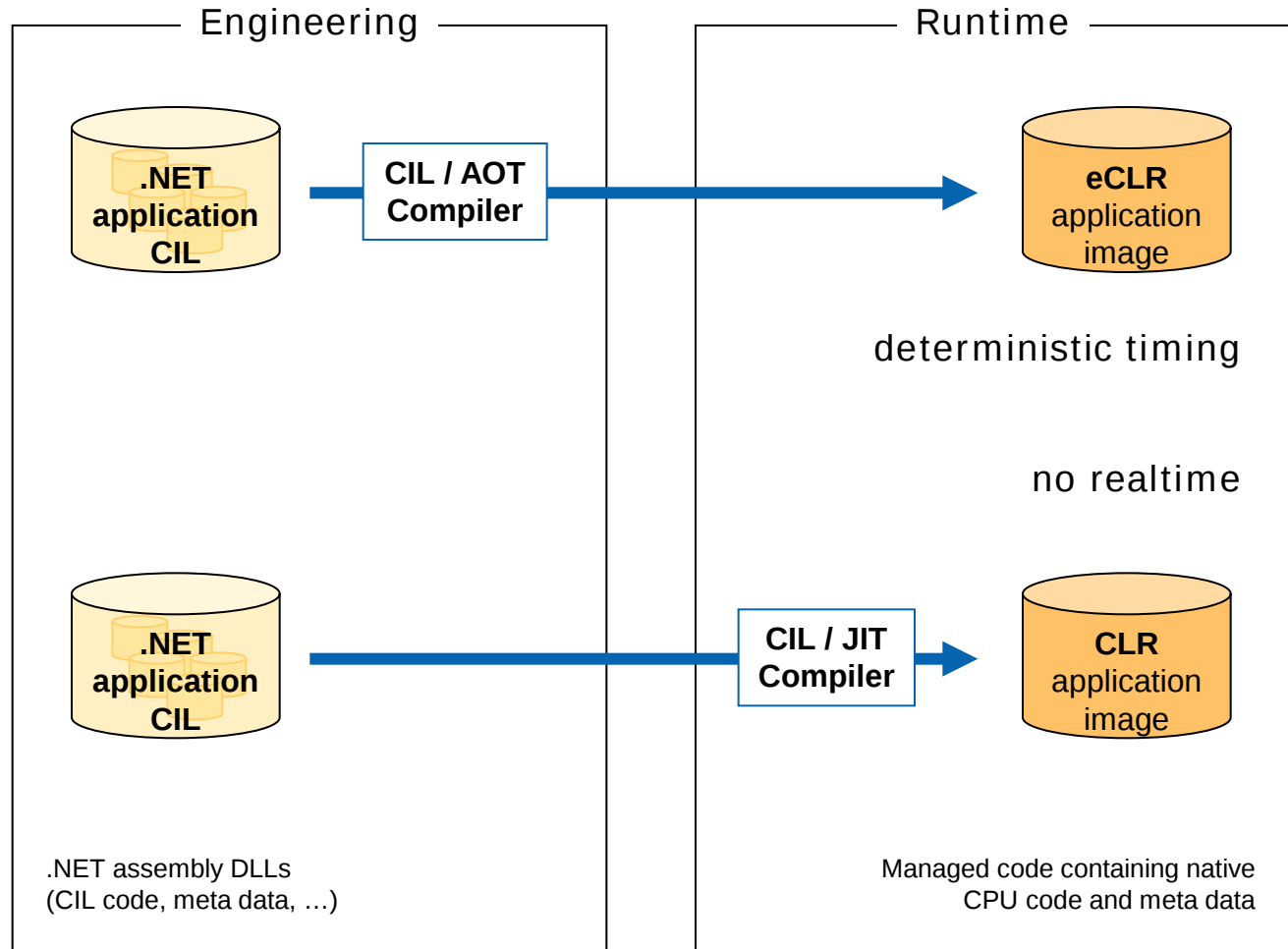
CLI – Common Language Infrastructure



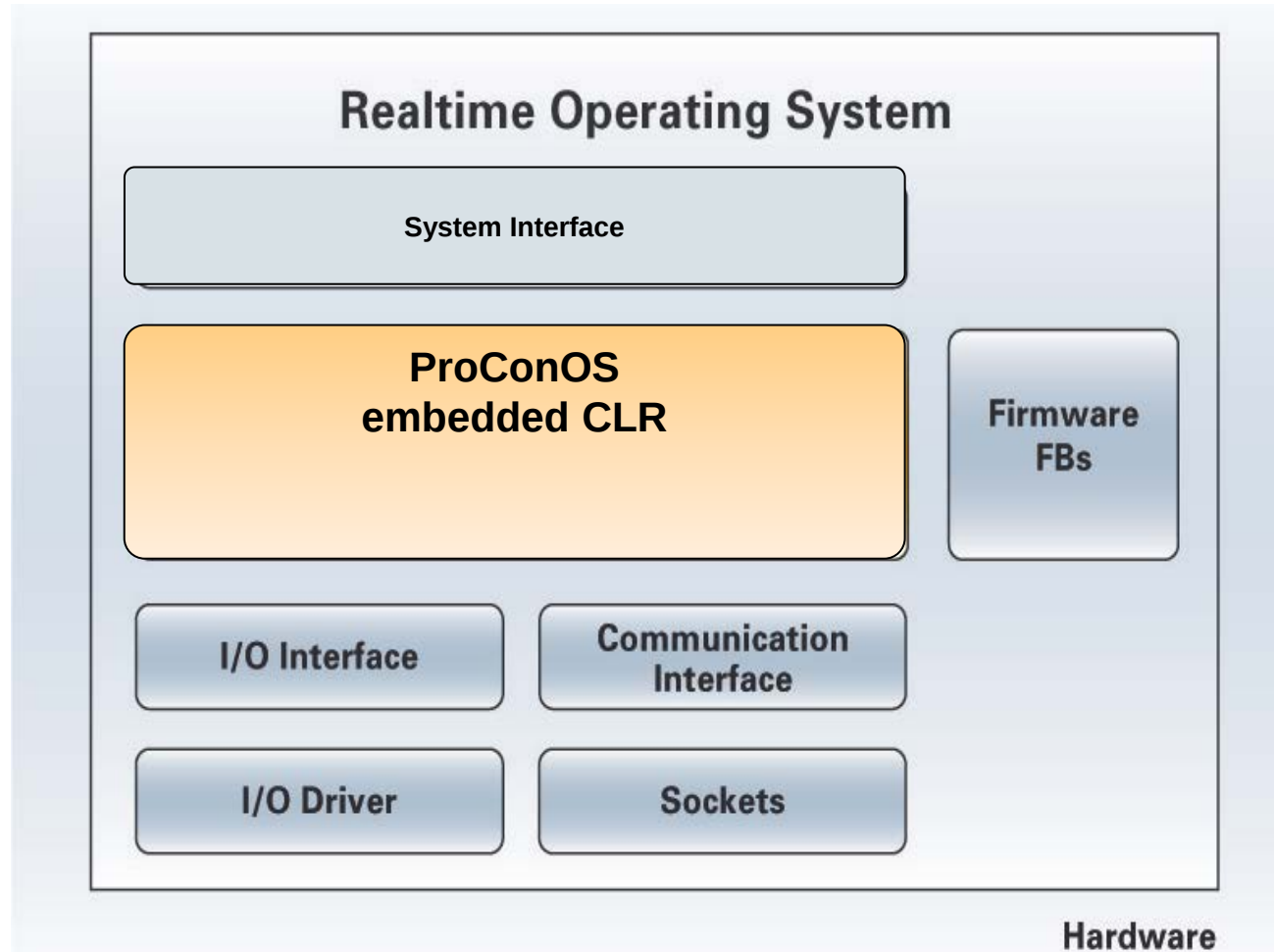
MULTIPROG, C#
ProConOS eCLR



Visual Studio
MS CLR

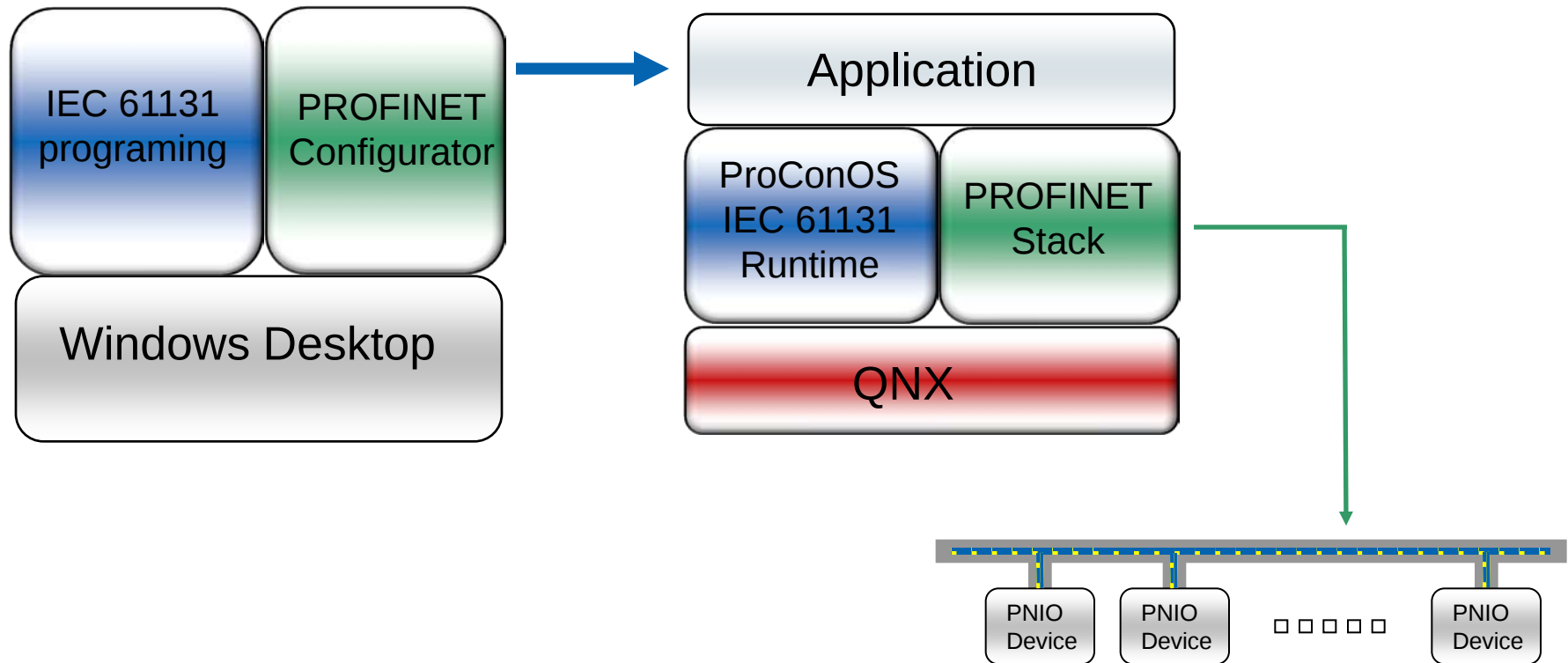


ProConOS embedded CLR 开发包





SoftPLC solution based on QNX

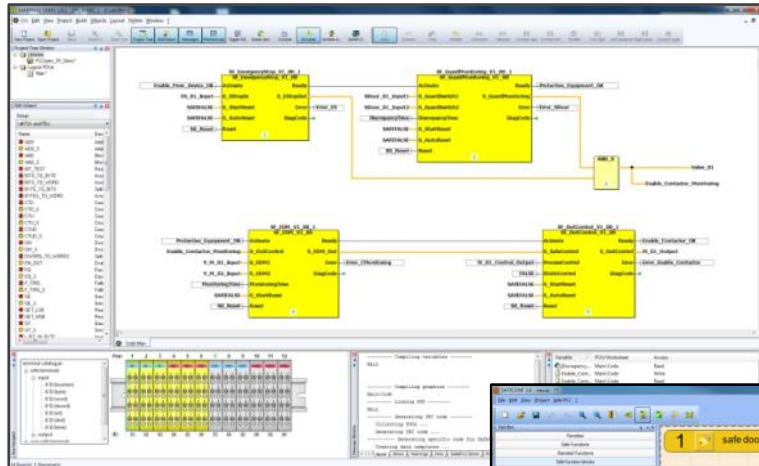


ARM / PPC / x86 / Cortex – A8/A9
Other CPU is also possible

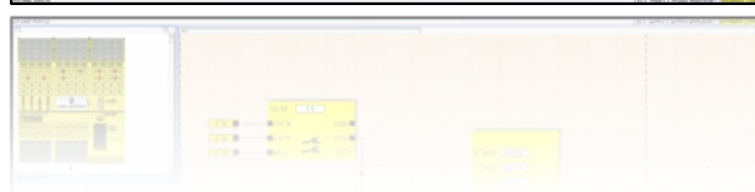
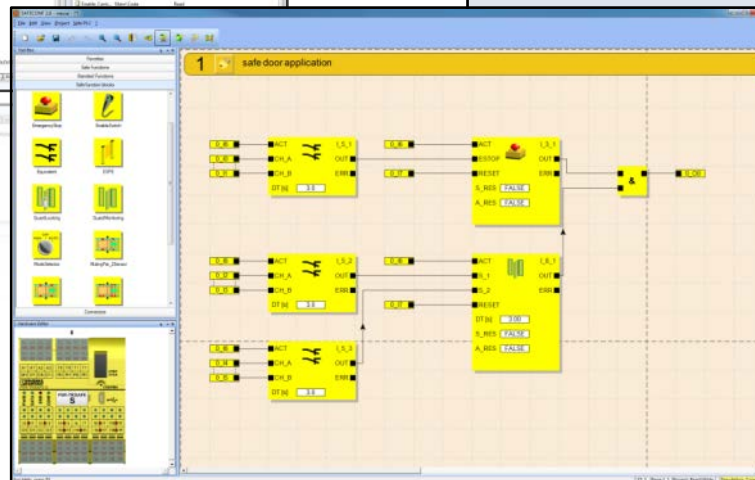
IEC 61508 Safety Technology

SAFEPROG

Safe programming for IEC 61508 up to SIL 3
for high-performance controls

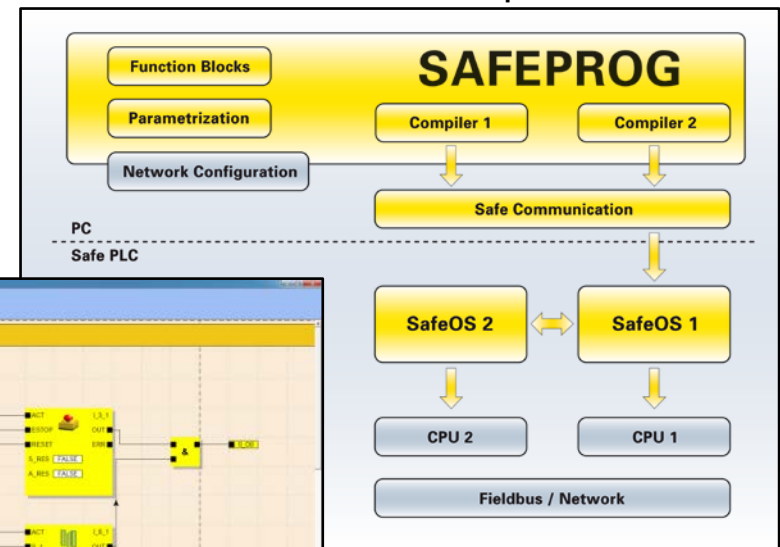


SAFECONF
Configuration of
safety relays



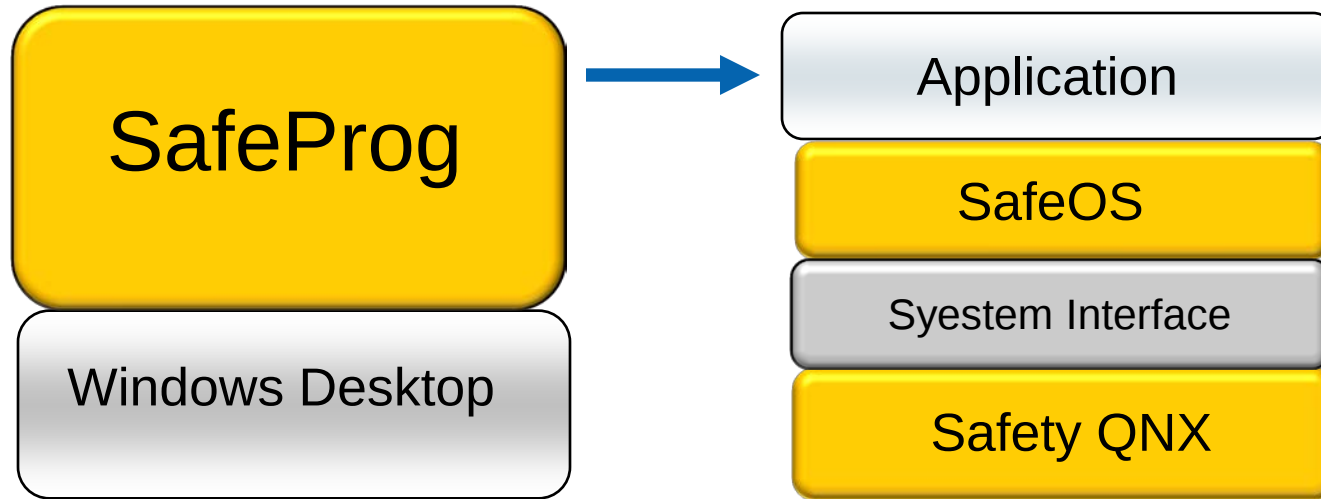
SAFEOS

Safe two-channel runtime system
for all performance classes





Joint Safety PLC solution based on QNX



CPU: ARM / PPC / x86 / Cortex – A8/A9

Engagement with KW-Software



Thank You!

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