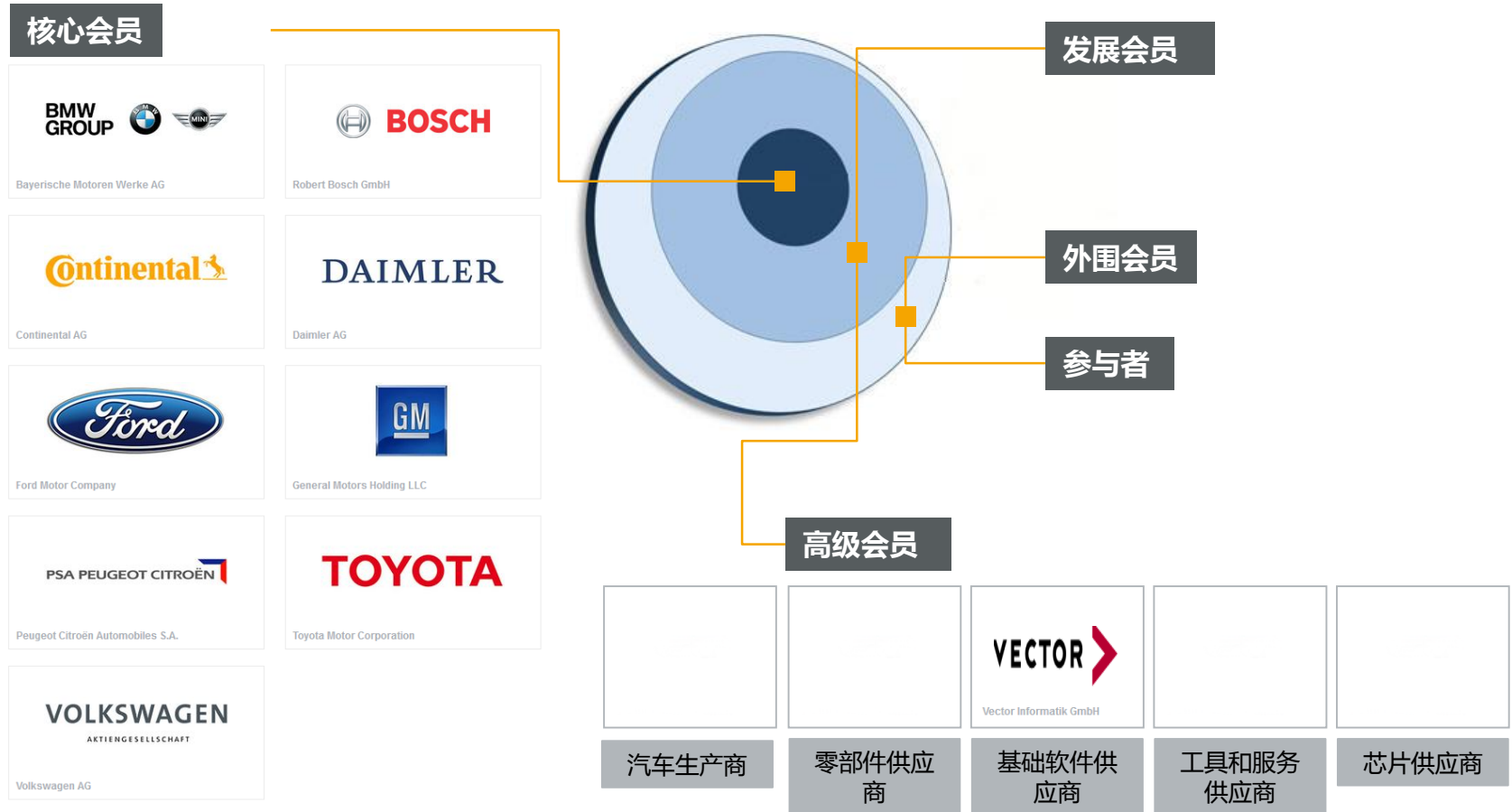
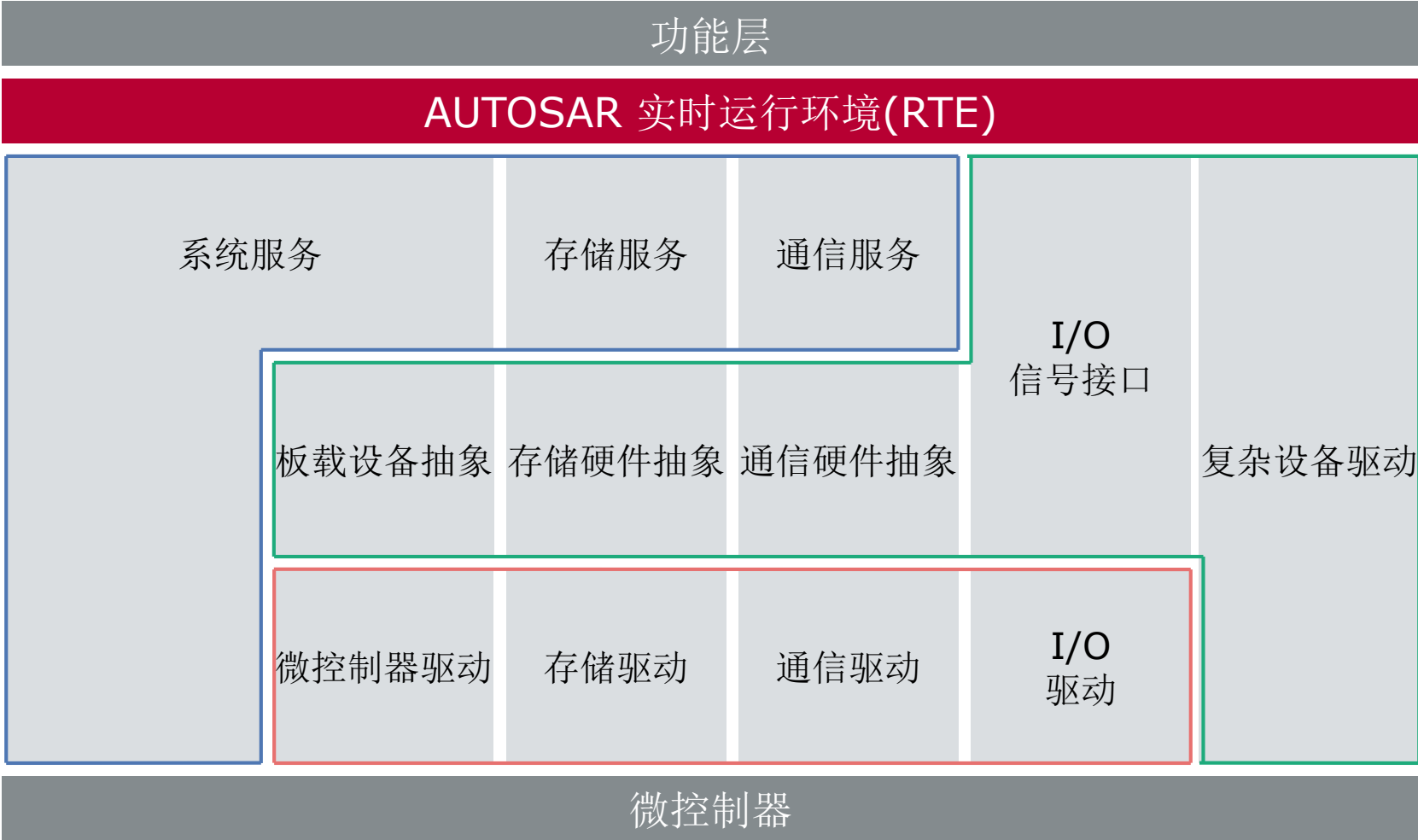




AUTOSAR Introduction

ST Automotive MCU technical day





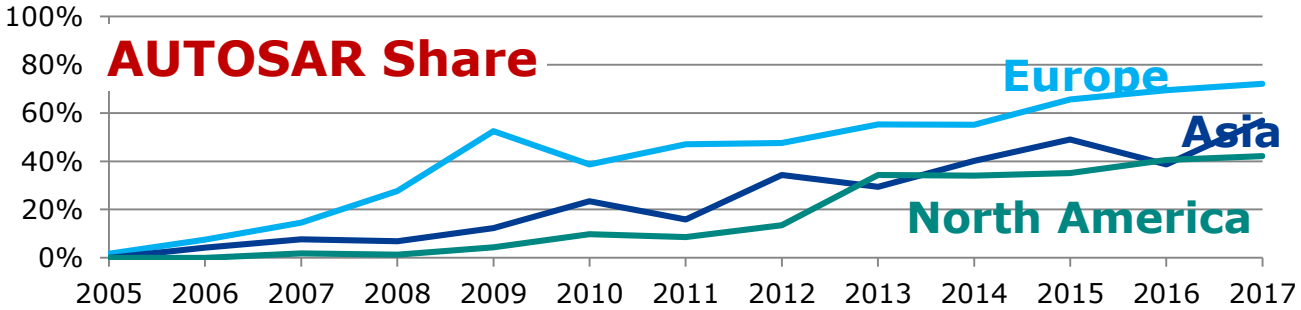
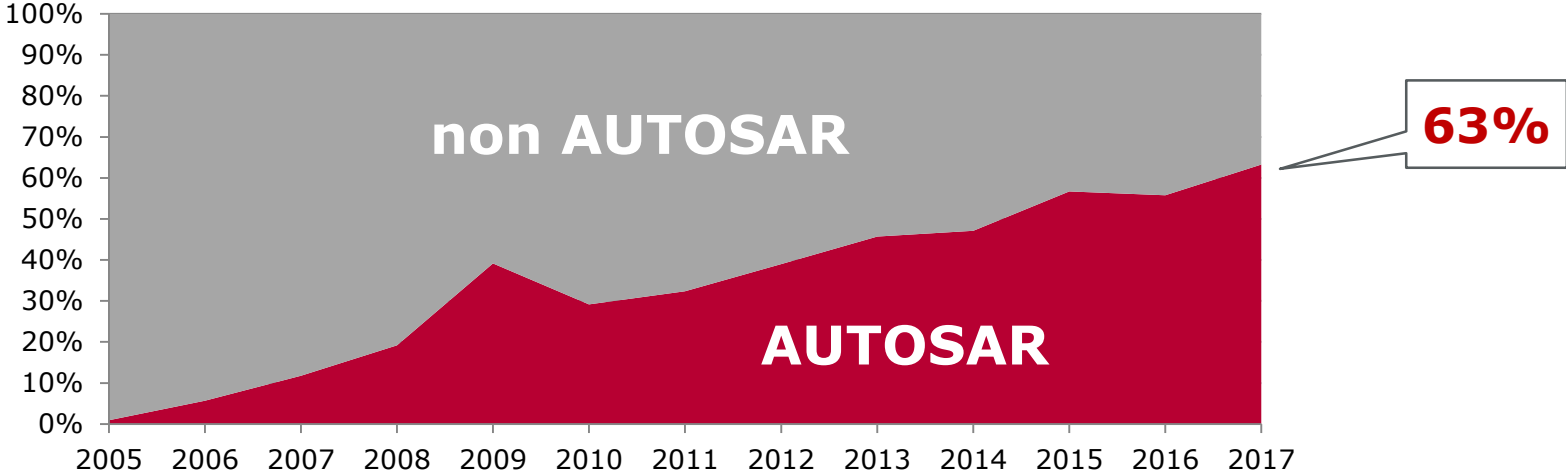
微控制器抽象层



ECU抽象层

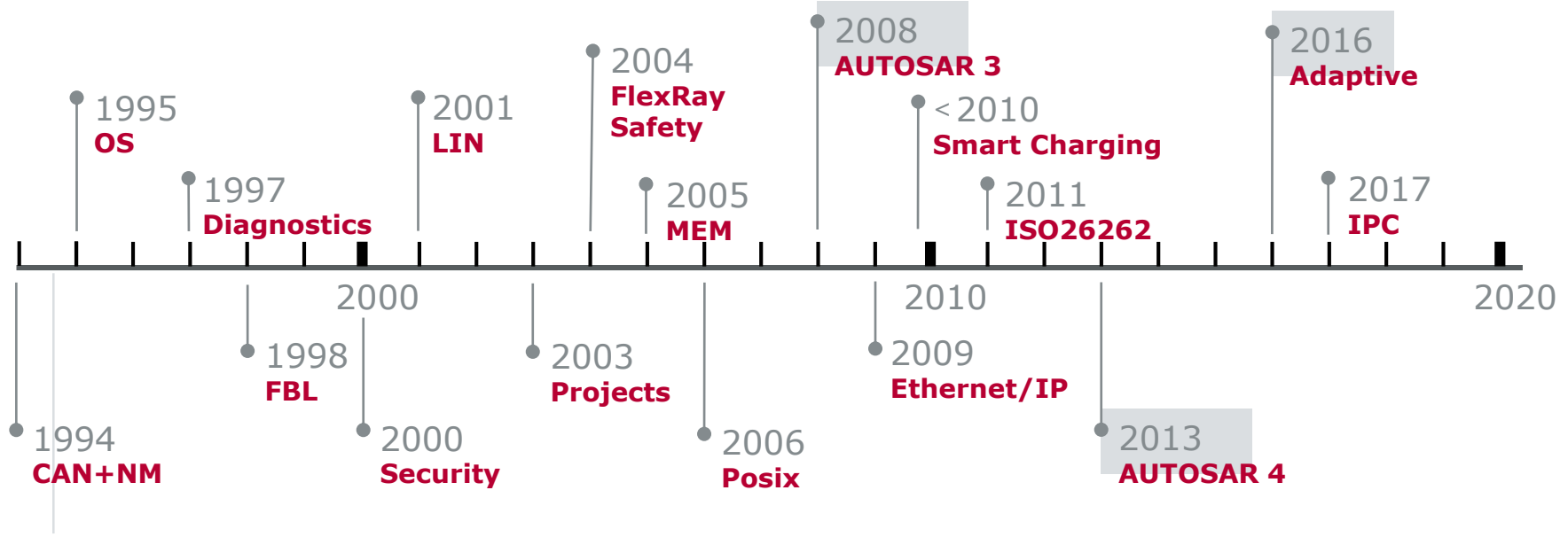


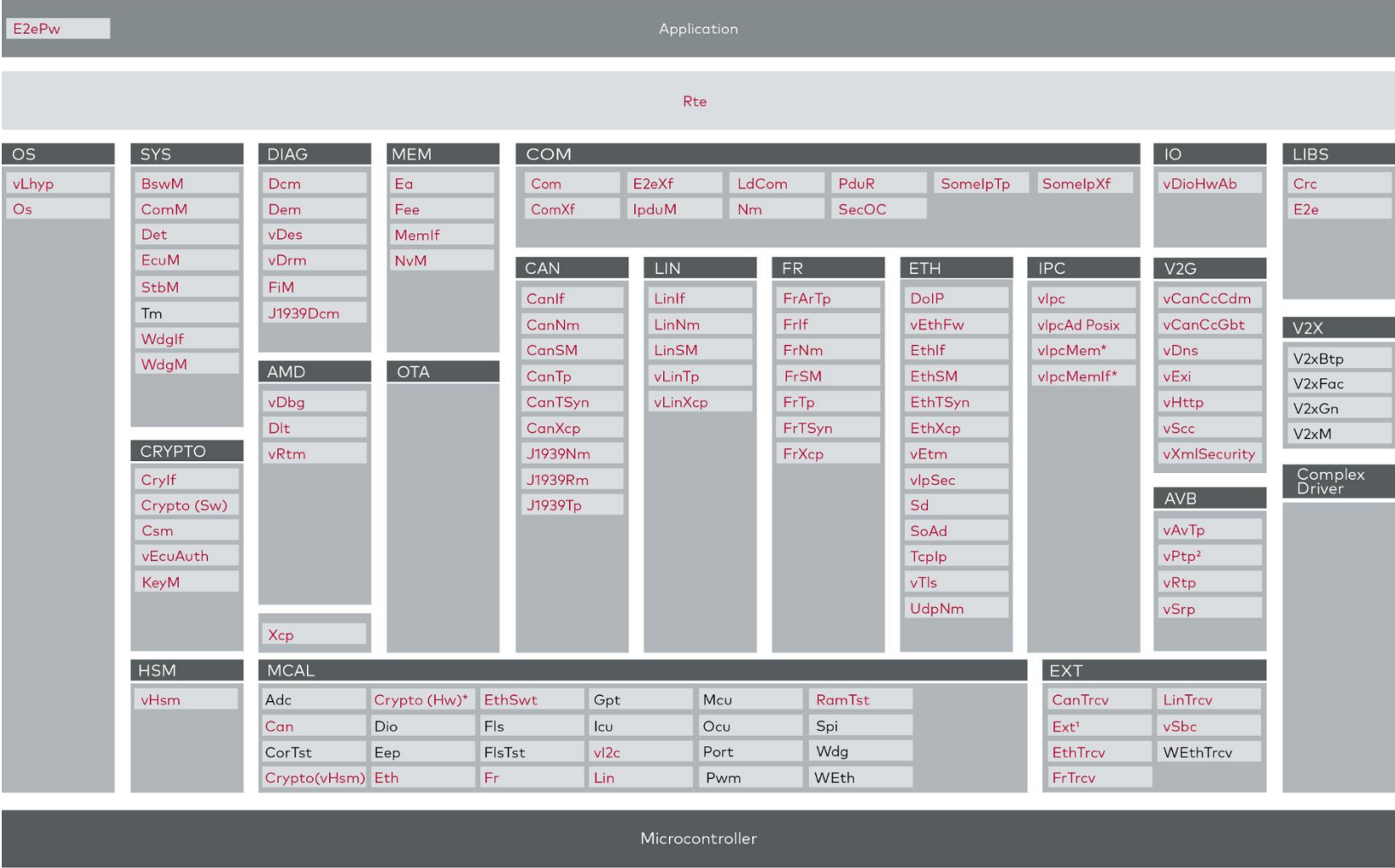
服务层



Source: Vector's evaluation based on number of projects

- ▶ Vector一直植根于嵌入式代码领域
 - ▶ 全球第一家独立的基础软件供应商
 - ▶ 从2004年开始，Vector便是AUTOSAR高级会员之一
 - ▶ Vector于2007年发布了第一套AUTOSAR解决方案
 - ▶ 全球开发和支持工程师有800名左右
 - ▶ 服务在AUTOSAR组织30个功能组中



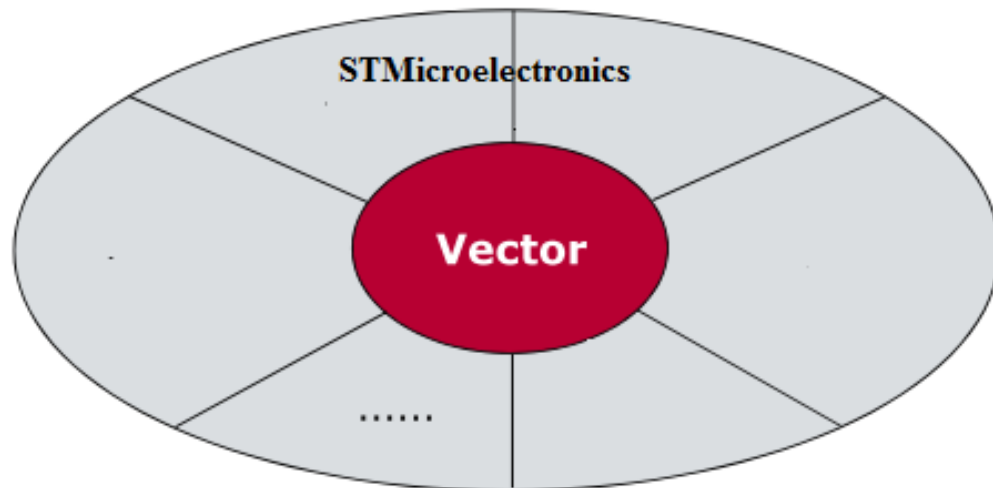


Vector Standard Software 3rd Party Software

¹ Includes Adc, Eep, Fls, EthSwT, Eth and Wdg
² Functionality represented in EthTSyn and StbM
* Different variants available

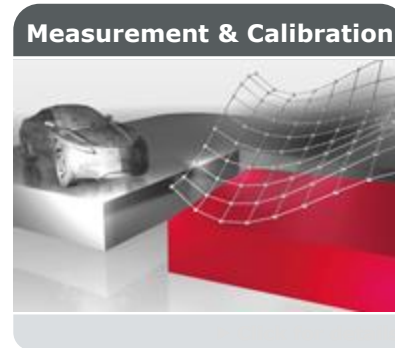
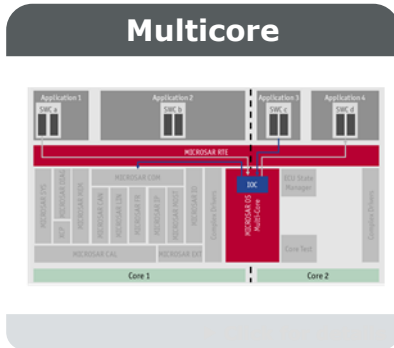
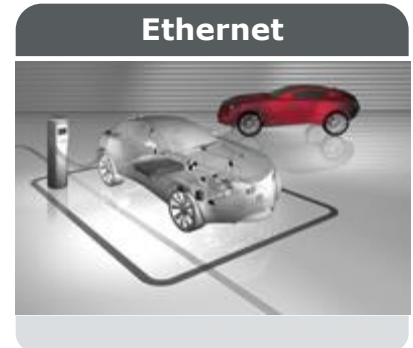
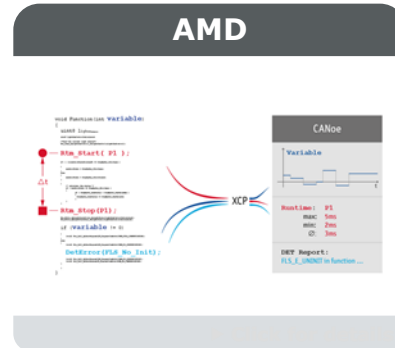
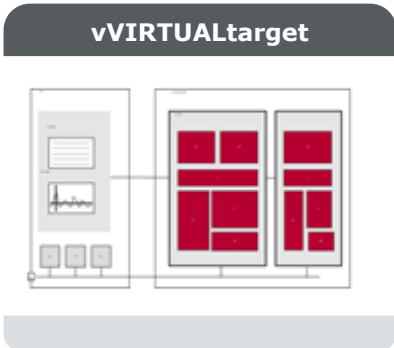
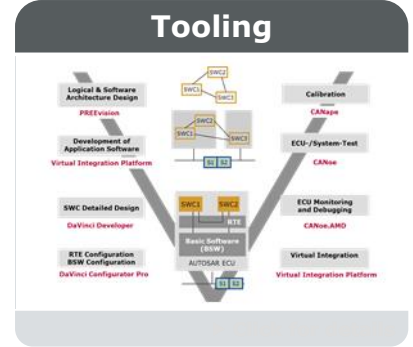
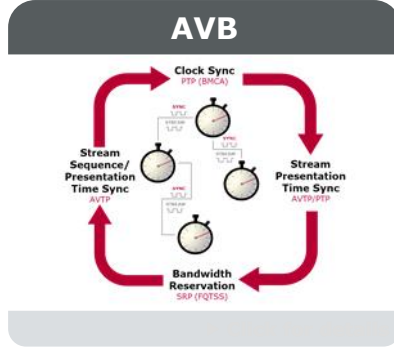
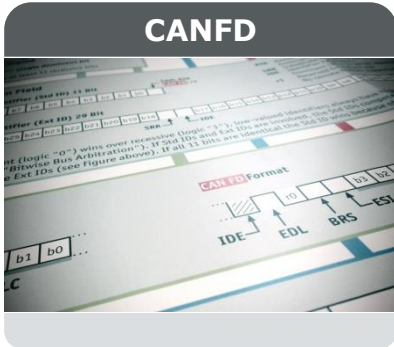
Large variety of platforms supported

- ▶ Vector cooperates with microcontroller manufacturers to integrate the MCAL (Microcontroller Abstraction Layer) which are provided by them
- ▶ An individual solution for your favored microcontroller is possible at any time

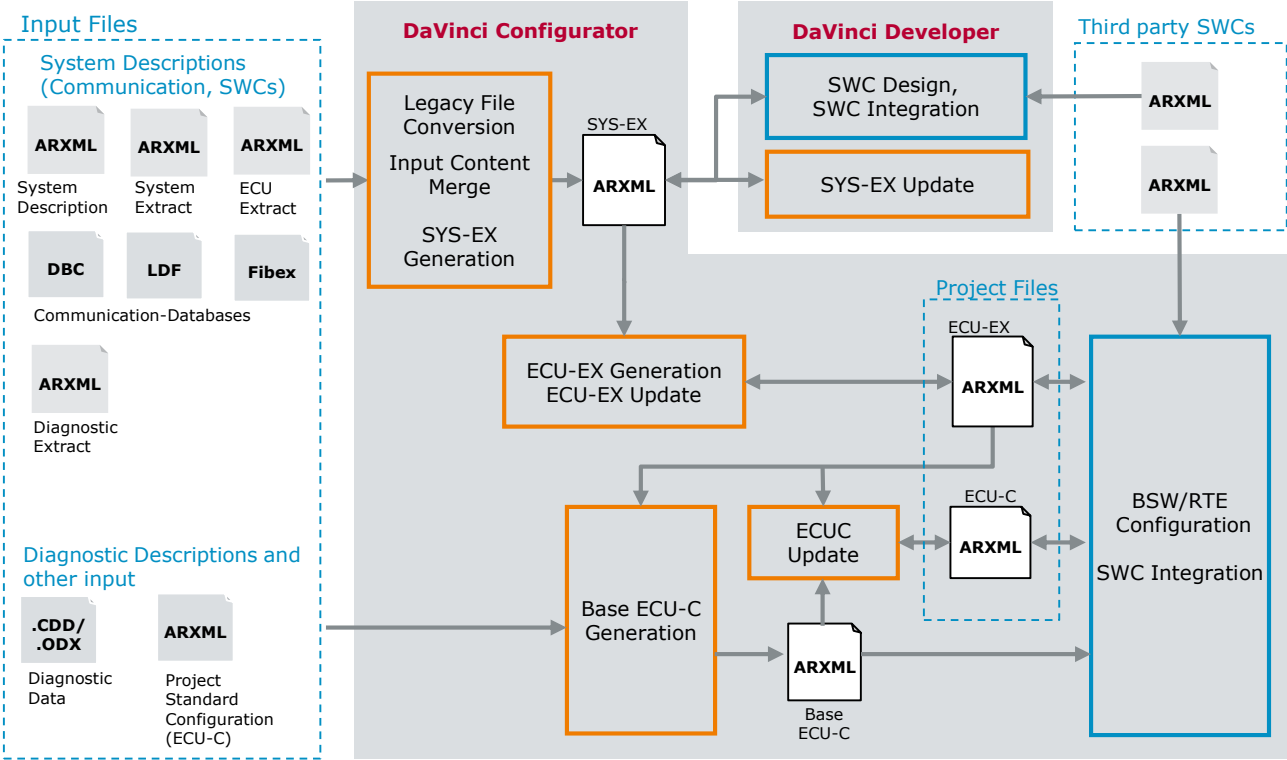



Outlook: MICROSAR support for ST now

Micro-controller	Supported cores	Compiler Vendor
STA8088 (Teseo II)	ARM9	ARM
STA1385 STA1375 (Telemaco 3P)	Cortex-M3	GHS GNU ARM Keil
SPC56xx SPC57xx SPC58xx	All	Diab GNU(HighTec) GHS Metroworks



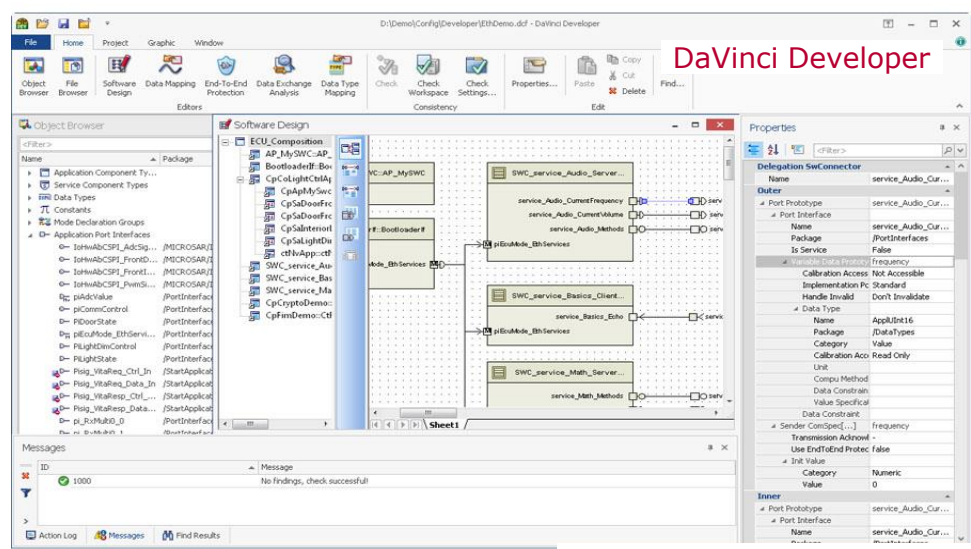
DaVinci具体工作流程



 Manual activity, supported by tool features  Automatic background activity performed by the DaVinci tools

高性能、高质量

DaVinci工具

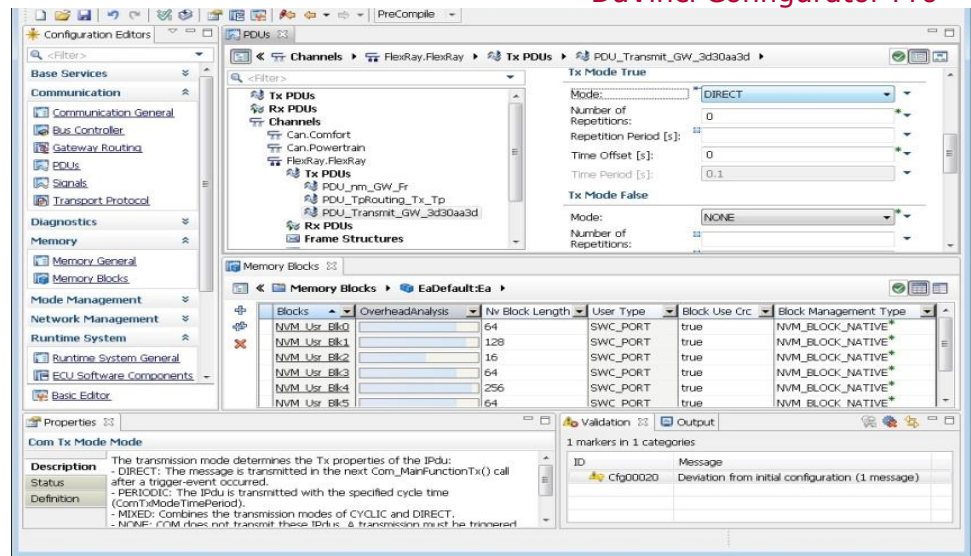


DaVinci Developer

SWC架构设计

- ▶ SWC图形化设计
- ▶ SWC内部行为定义
- ▶ 一致性检查
- ▶ 数据交换分析
- ▶ 辅助功能

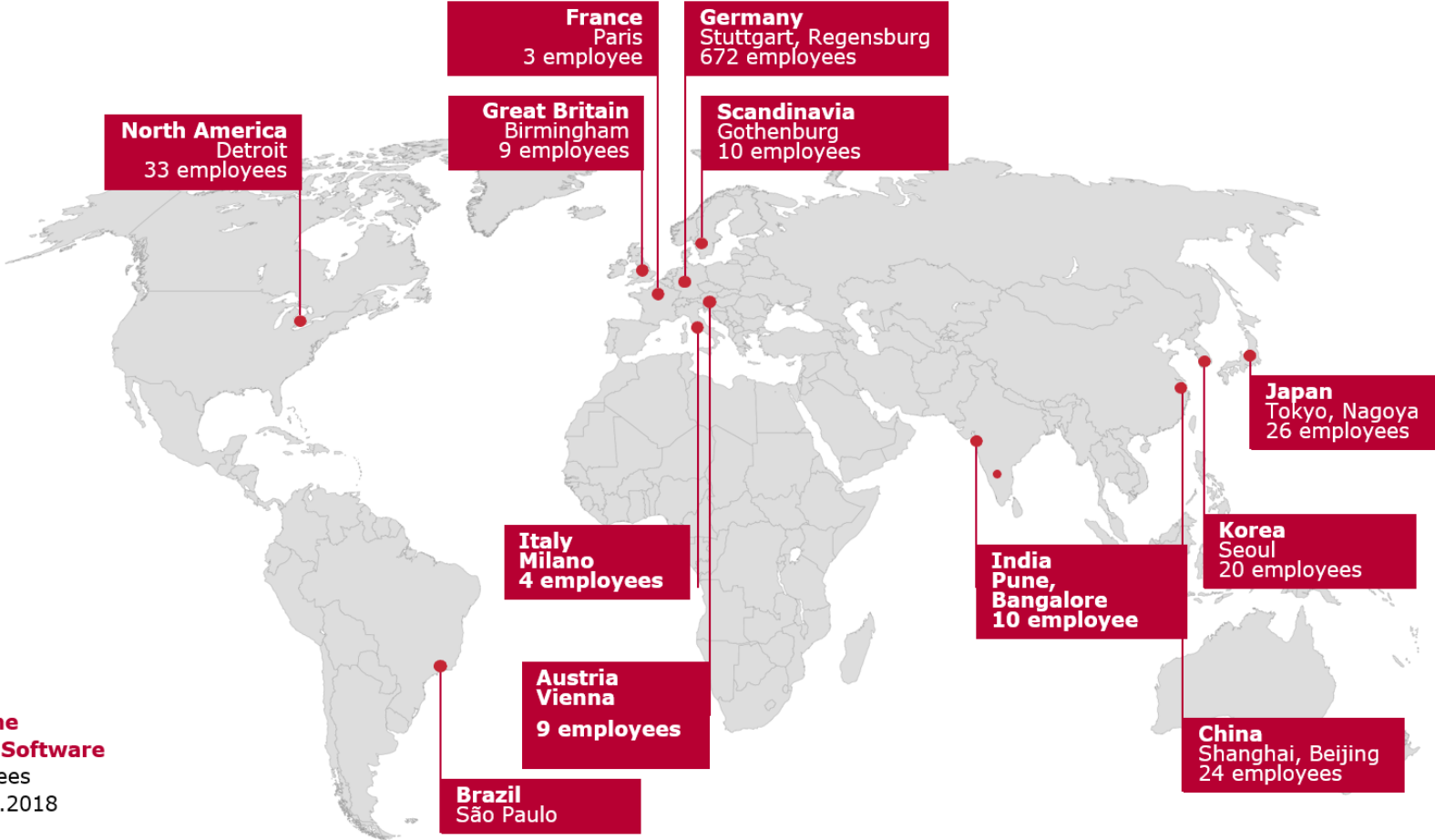
DaVinci Configurator Pro



ECU配置

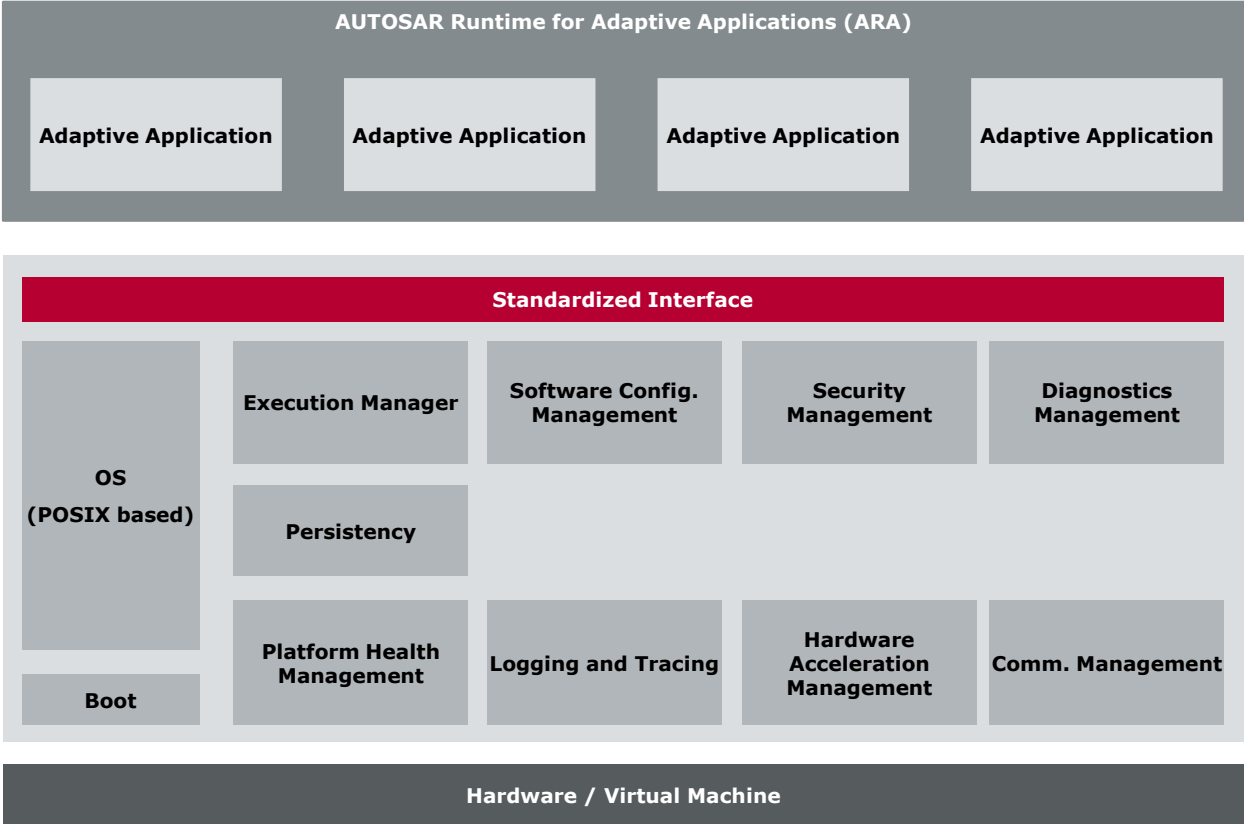
- ▶ 验证功能包括“click-to-solve”
- ▶ 面向特殊应用案例的编辑和辅助功能
- ▶ 智能化的项目更新功能

全球性支持



Product Line
Embedded Software
820 employees
Date: 08.10.2018

Adaptive AUTOSAR 解決方案



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