



BENEFITS OF 3RD **PARTY IP IN** COMPLEX **EMBEDDED SYSTEMS**

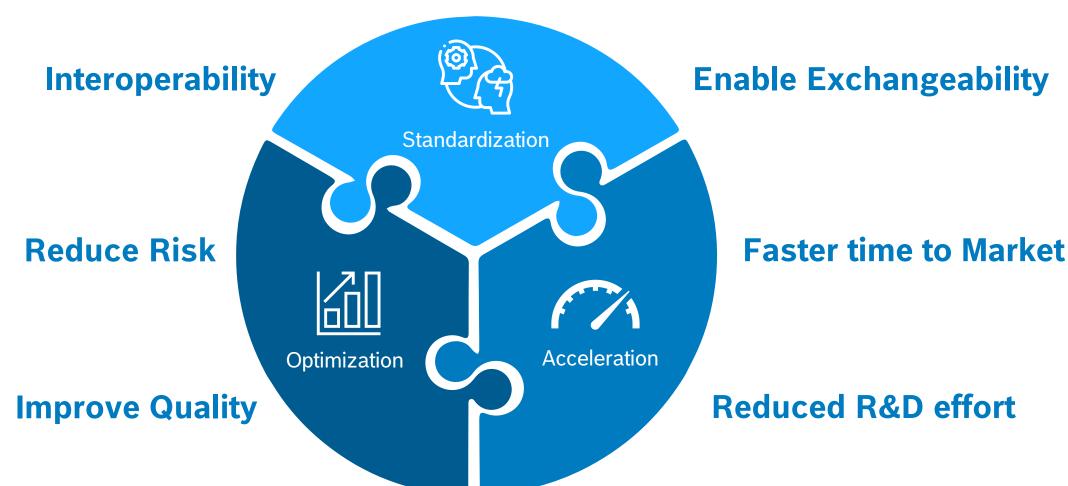
Dr. Dominik Erb Microcontroller Strategy & Operations BBM



Benefits of 3rd Party ID contributes to the success of suggests / future business

IP TechDay
We enable possibilities

3rd Party IP contributes to the success of current / future business



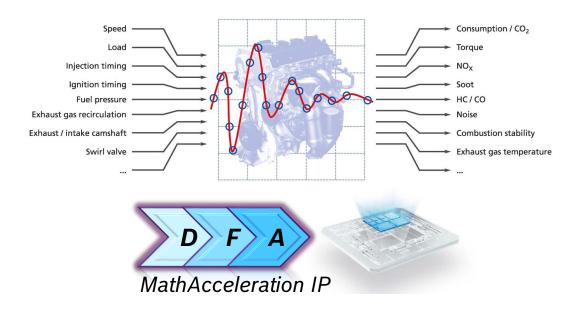


Benefits of 3rd Party IP in Complex Embedded Systems Standardization is the basis of Interoperability & Exchangeability

GTM key for applications in and beyond power-train applications

Compute engines enable new algorithms, essential to address tomorrow's applications

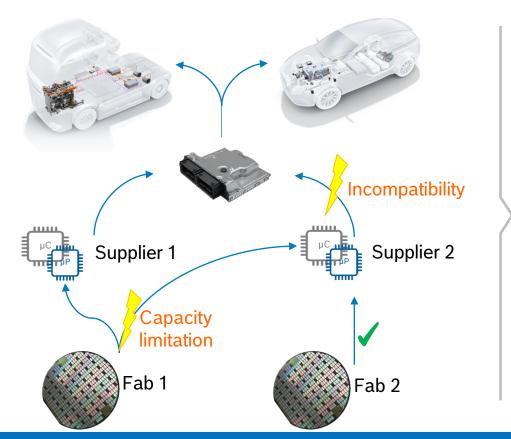




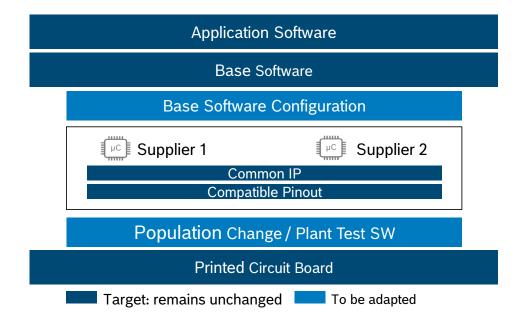


Benefits of 3rd Party IP in Complex Embedded Systems

Chip-crisis underlined the importance of resilient supply chains



Measure: compatible hardware and software blocks from multiple suppliers for same application



Common IP Blocks are the prerequisite of Bosch's 2x2 strategy



Benefits of 3rd Party IP in Complex Embedded Systems

Automotive design: long cycles adversely affect exchangeability

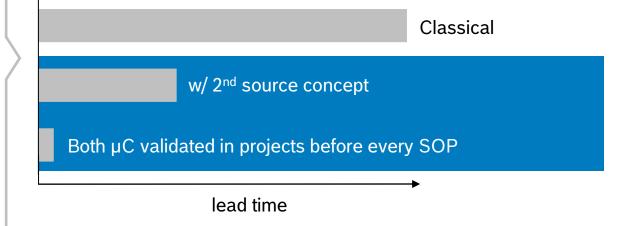


>3 years in regular project



Exchangeable MCUs with common pinout enable fast replacement of suppliers

Benefit of Standardization: Reduced lead time for µC exchange in product applications





Benefits of 3rd Party IP in Complex Embedded Systems Bosch IP contribution is not limited to design components



Next generation core architectures





Automotive Chiplets



Communication standards





Embedded Integration Platform

