

# Modeling in Automotive Industry

## A brief overview

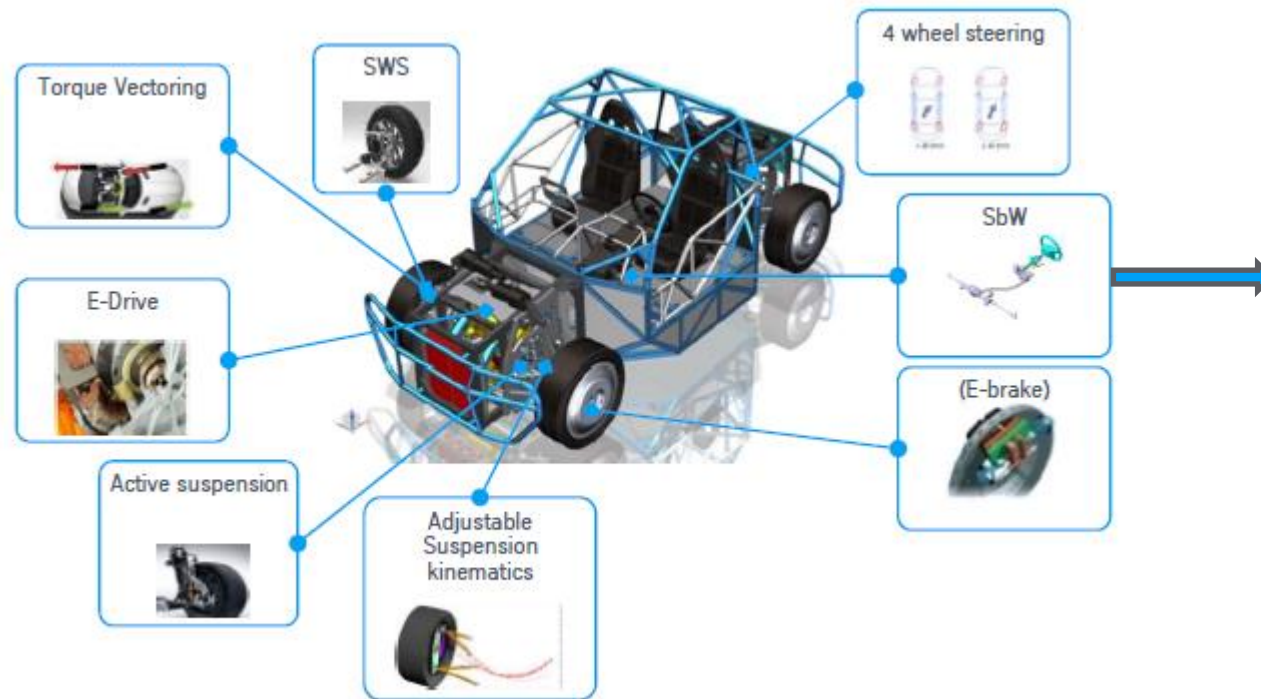
THEISZ Zoltán, software architect, Steer-by-Wire

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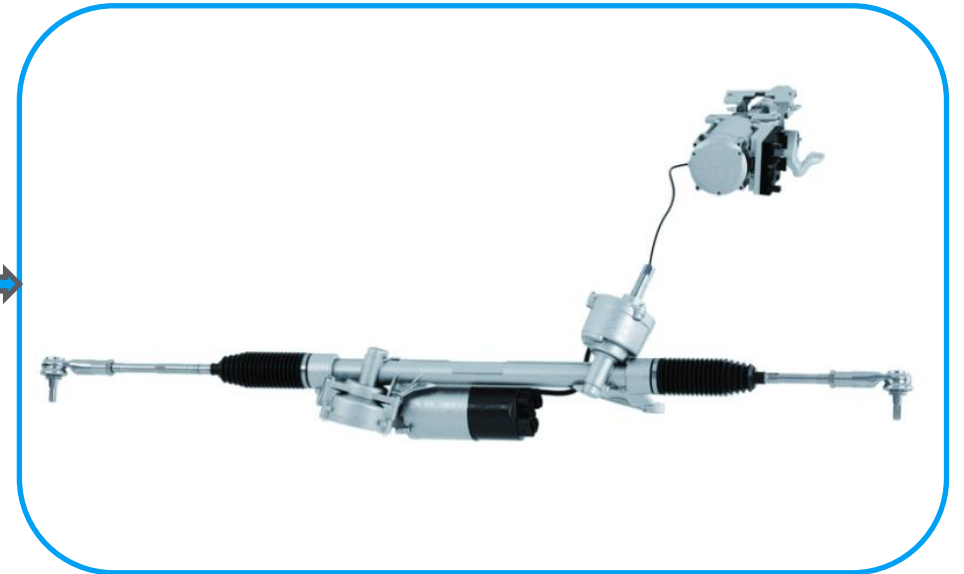


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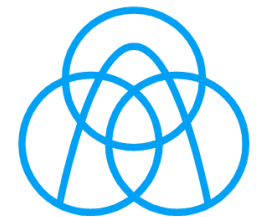
## Modular Research Platform



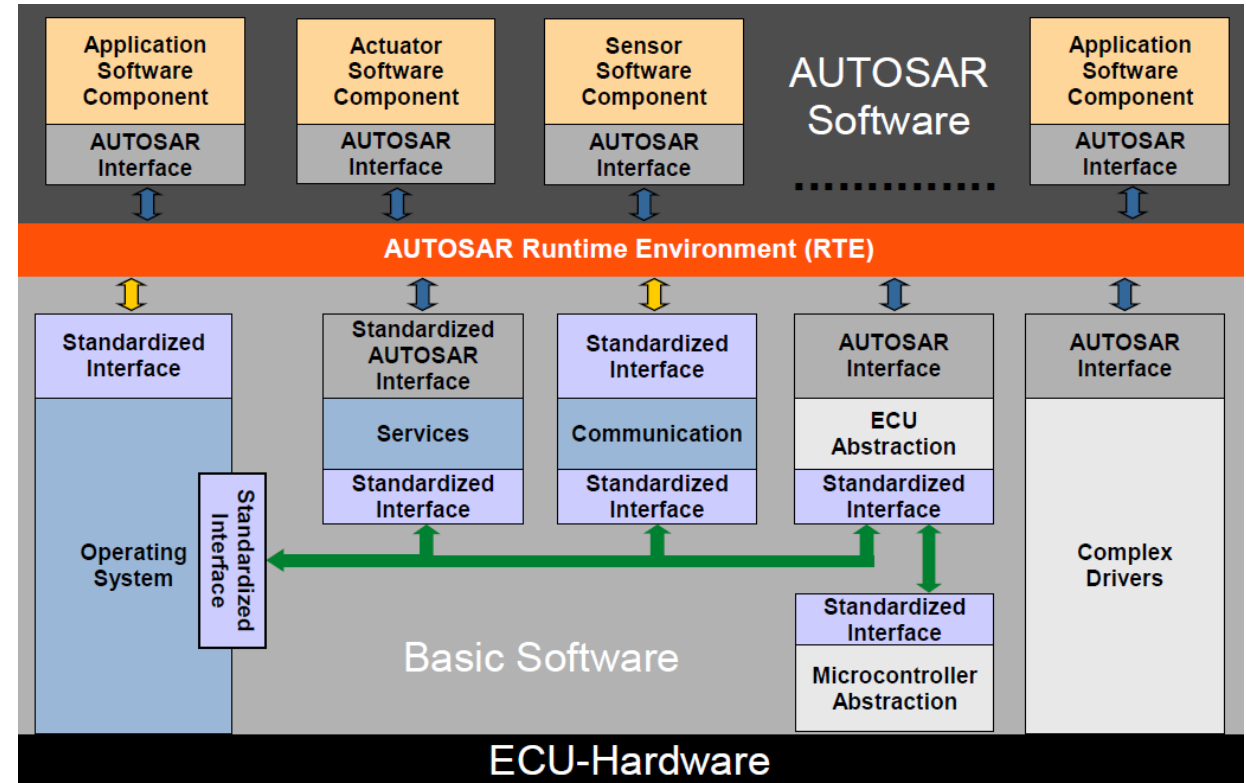
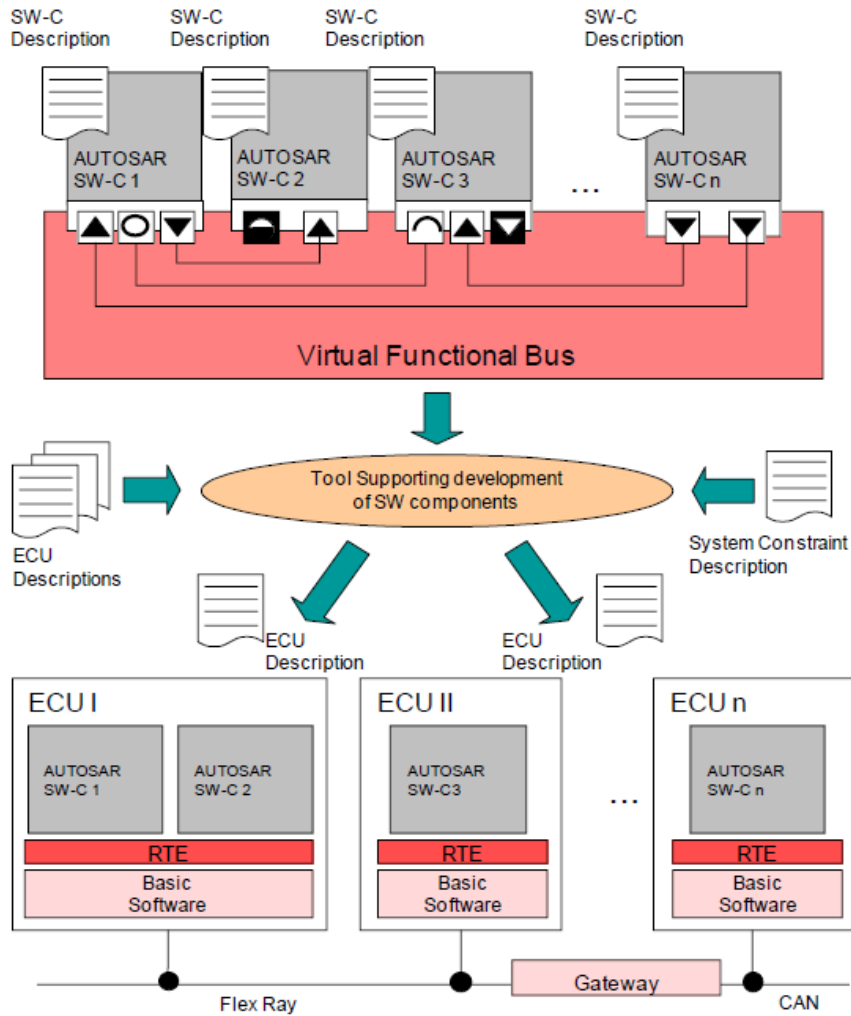
## Steer-by-Wire



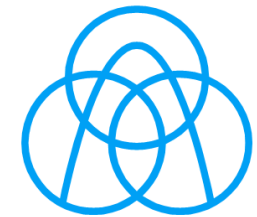
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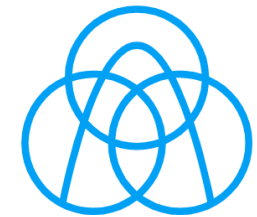
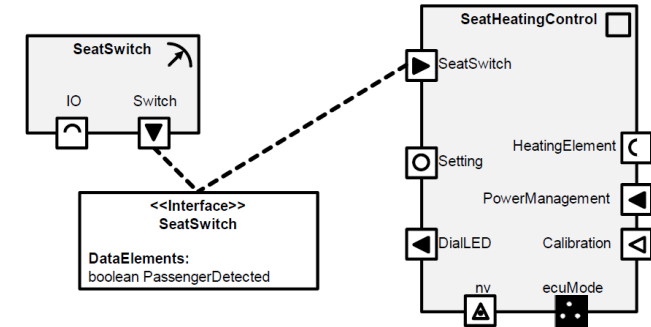
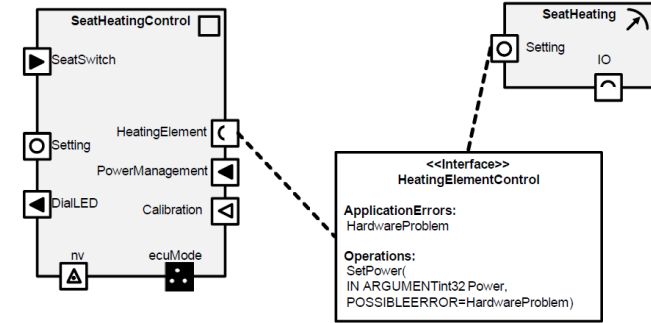
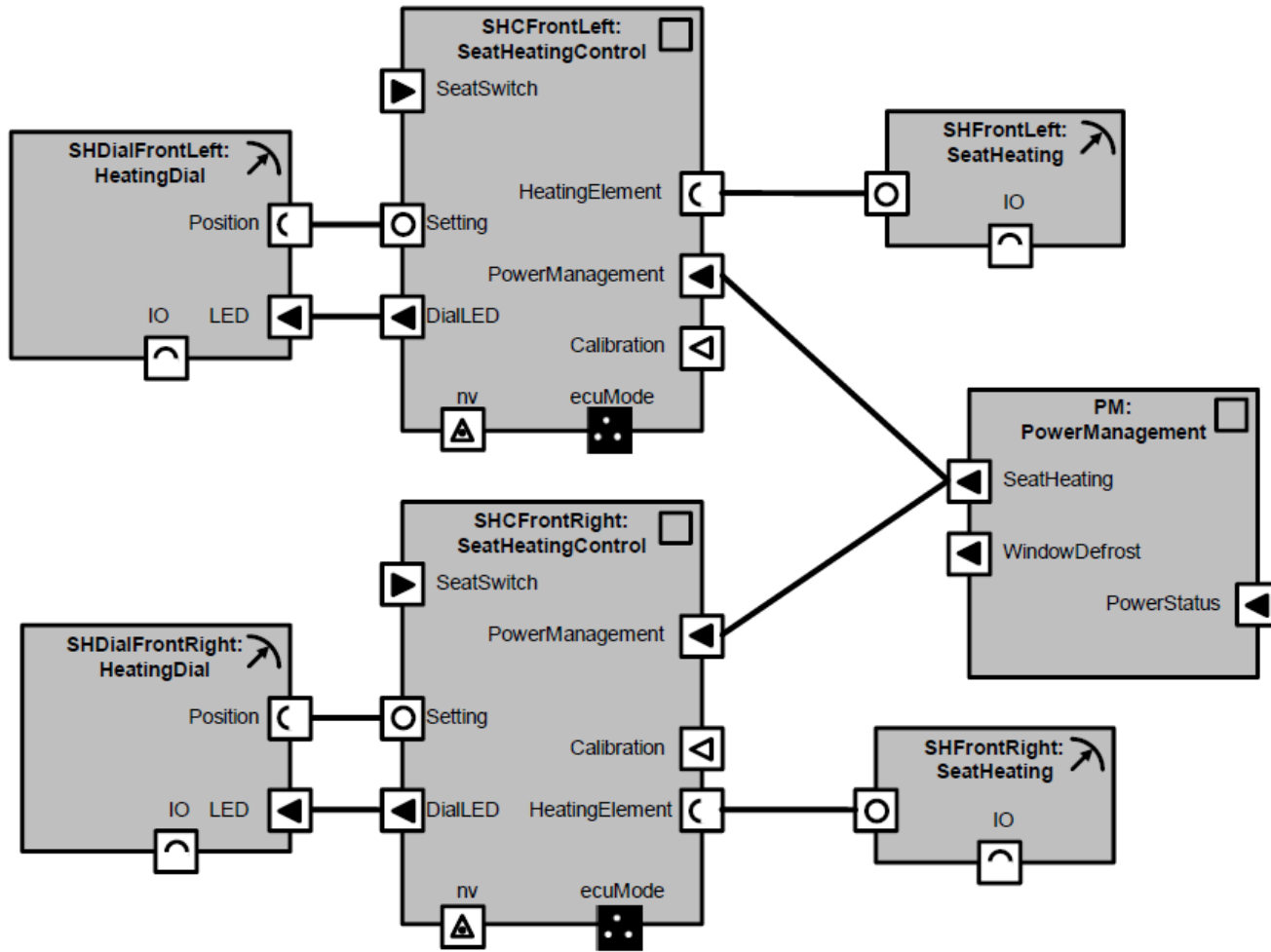
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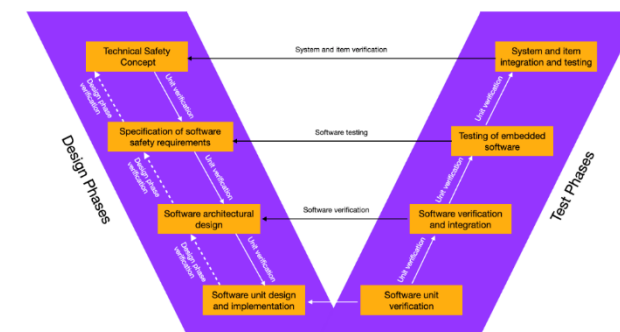
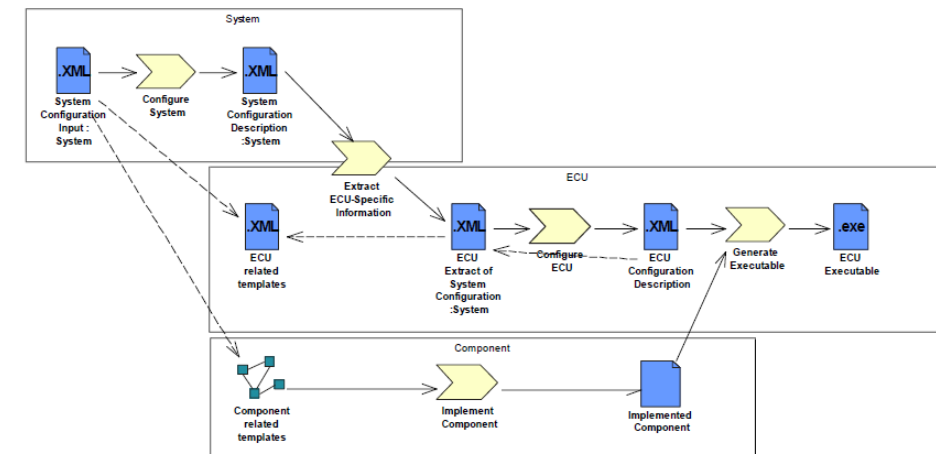
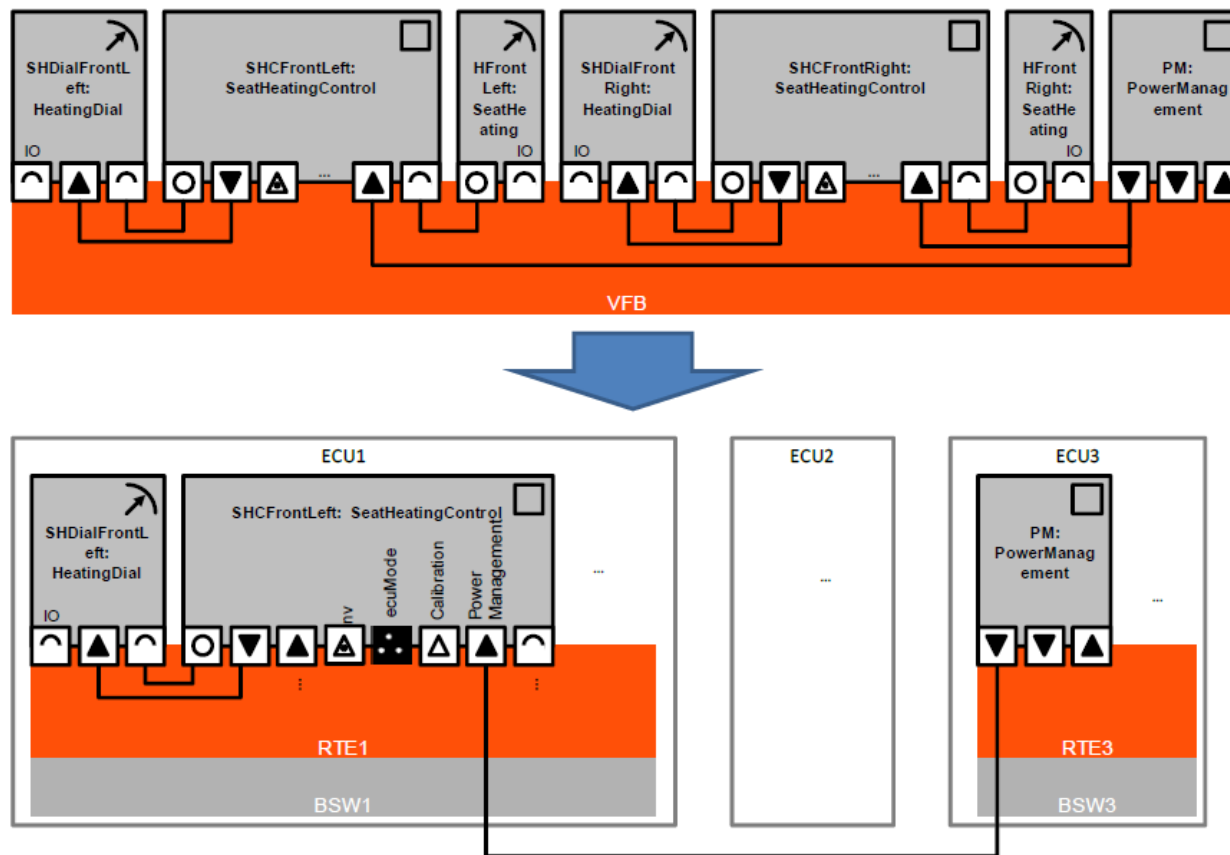


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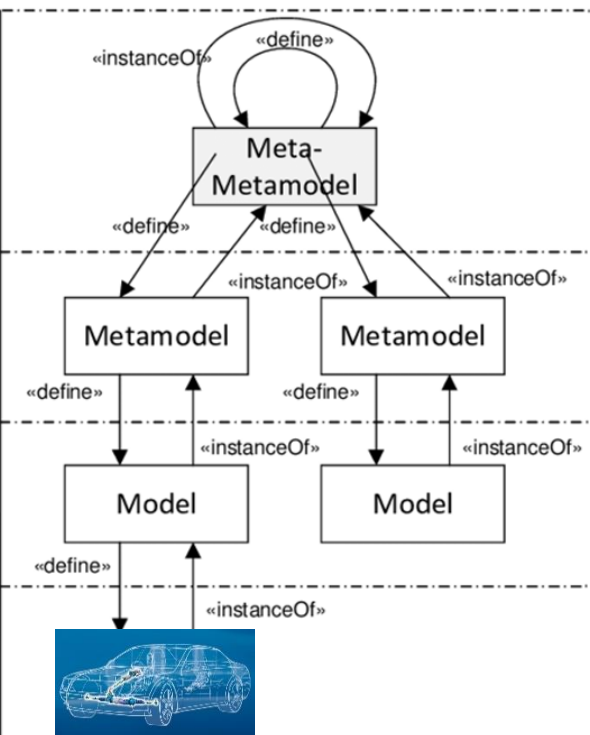
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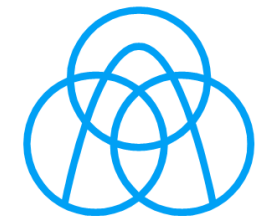
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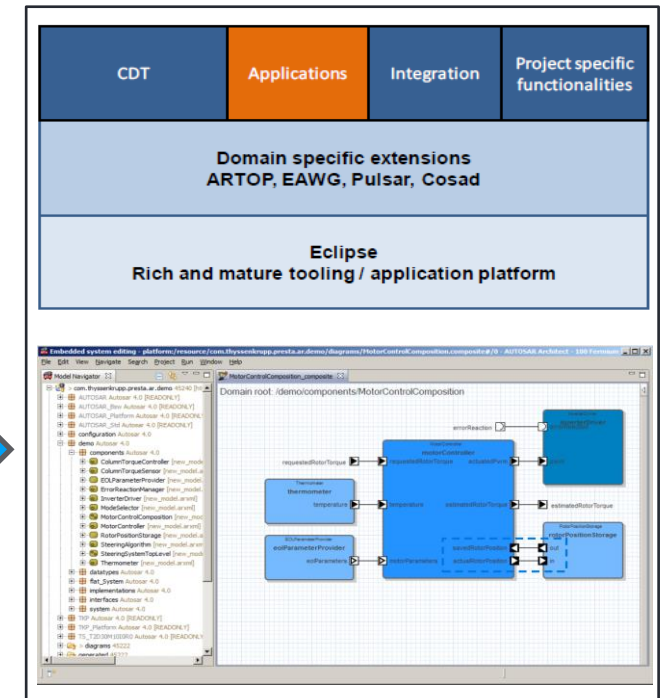
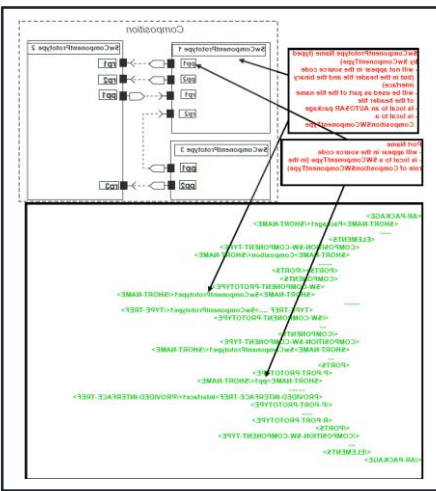
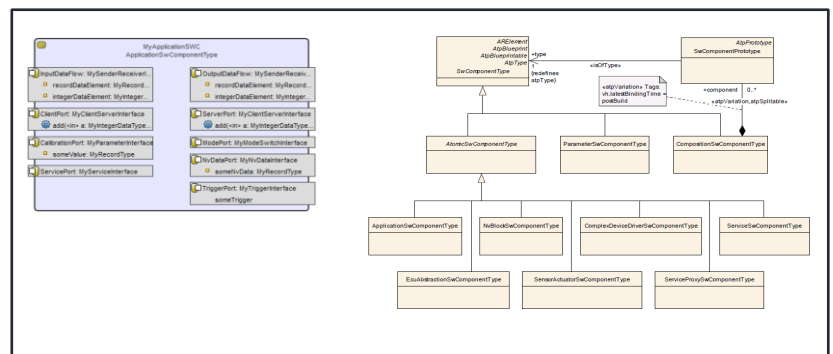
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Metamodeling levels	(Meta-)Model examples	Language examples
$M^3$ 	MOF, ECore	BNF, Xtext, ANTLR
$M^2$	UML, SysML	C, C++, Java, DSL
$M^1$	State Machine diagram	Application code
$M^0$ (Realworld)	State Machine simulation	Running application

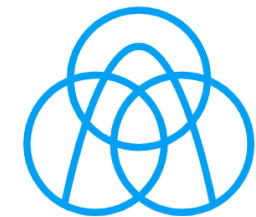


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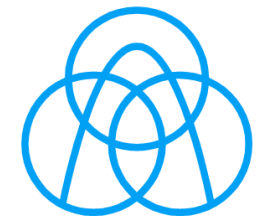
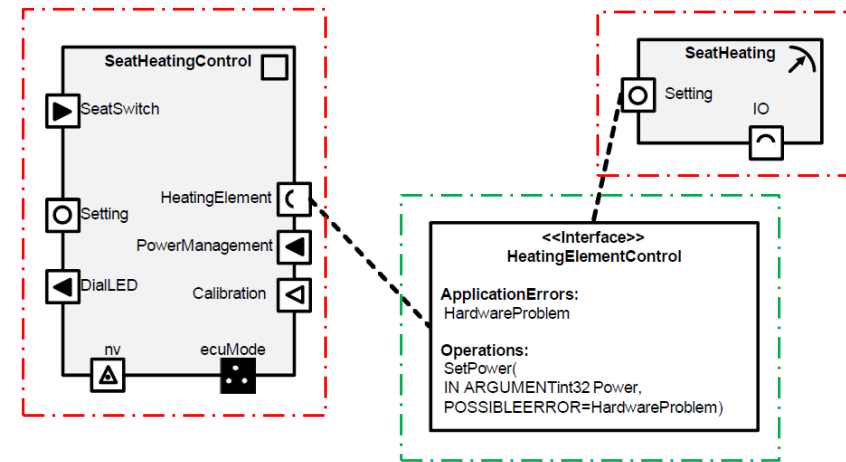
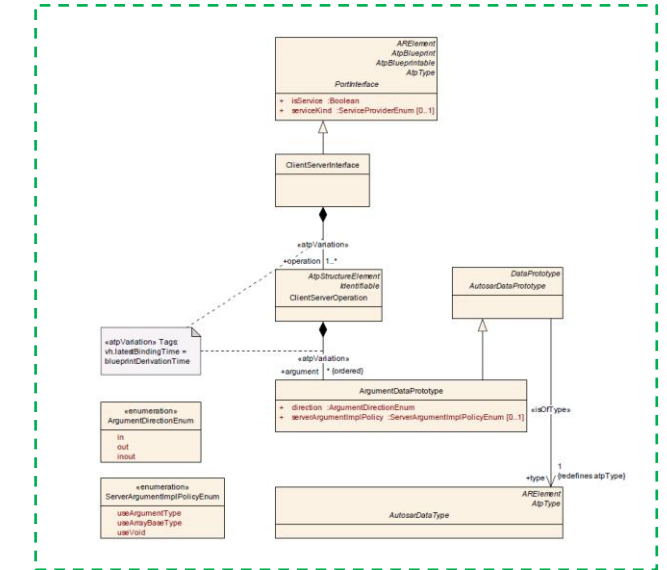
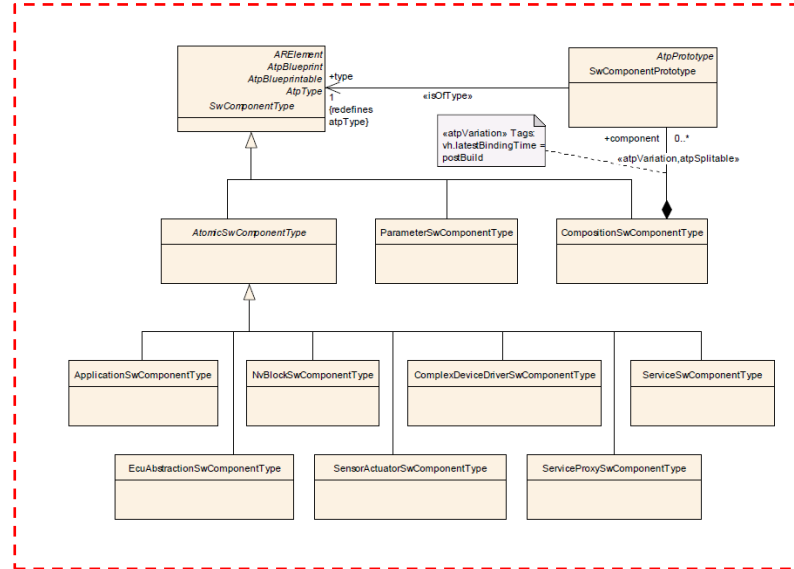
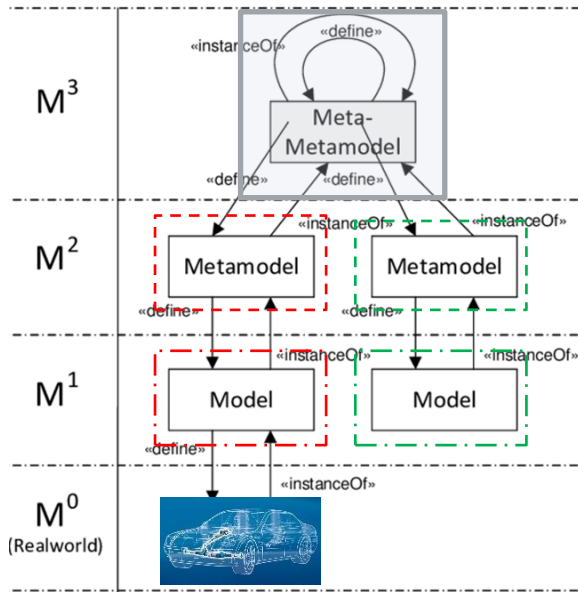


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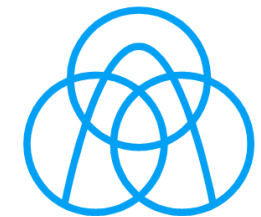
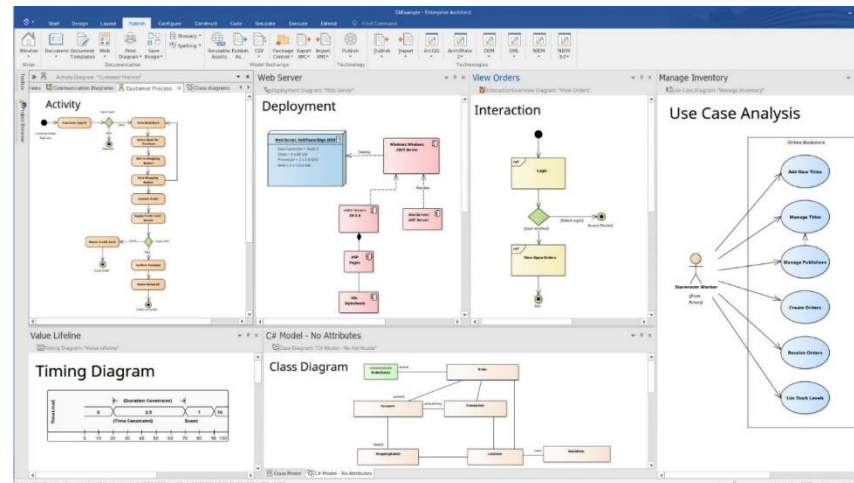
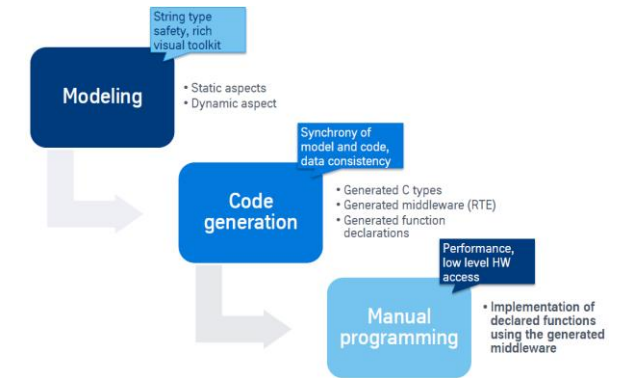
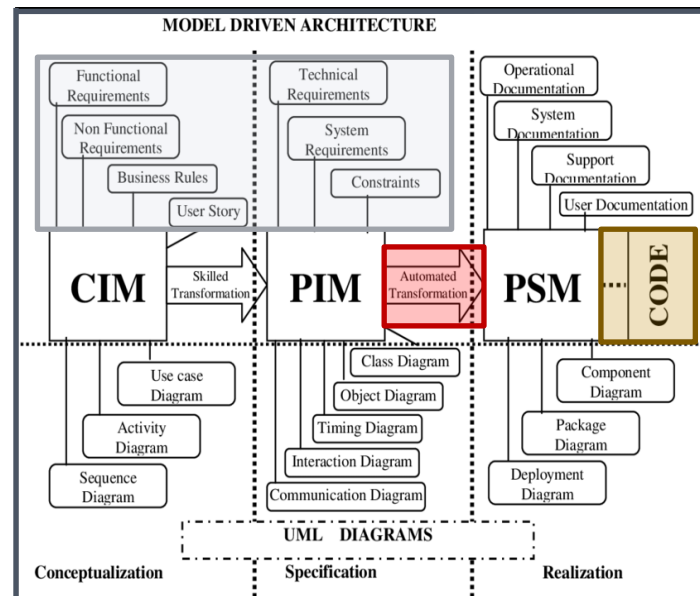
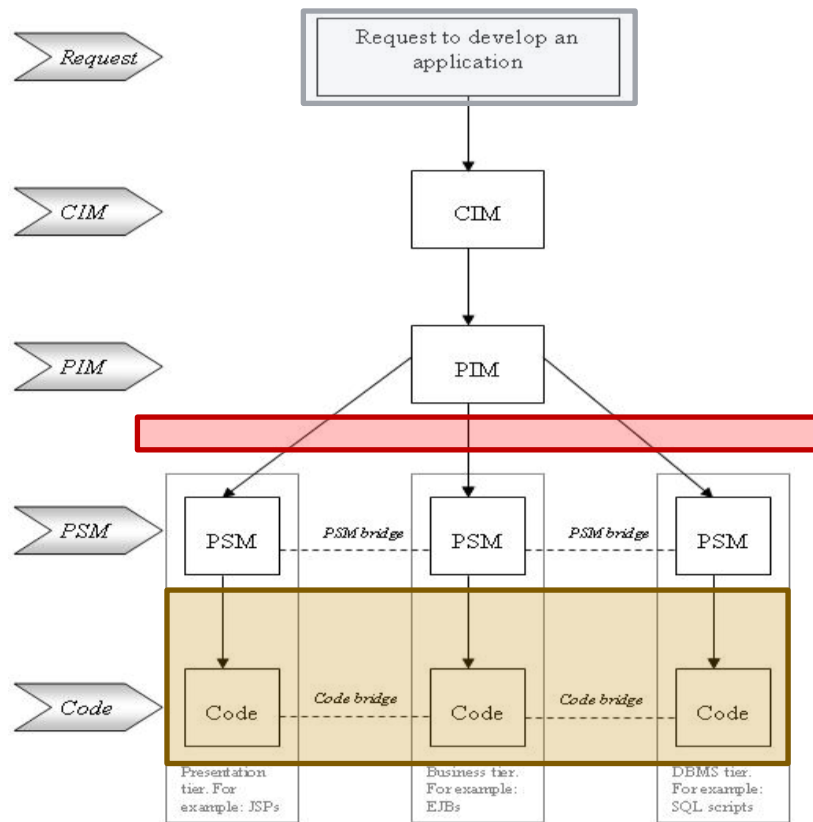




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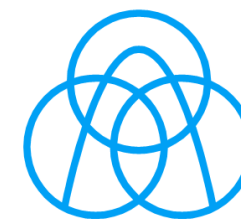
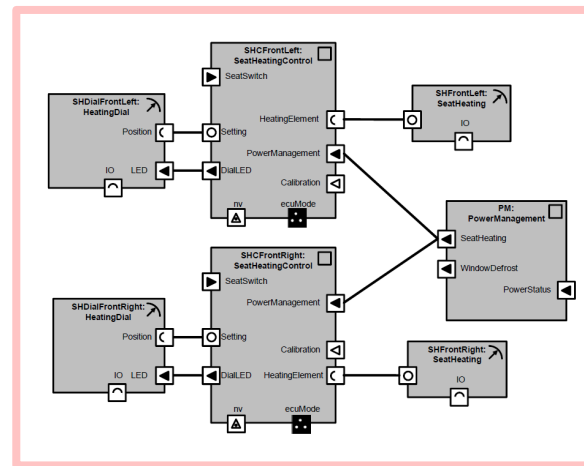
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