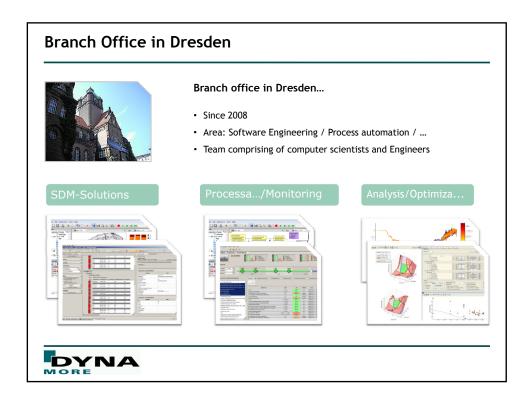
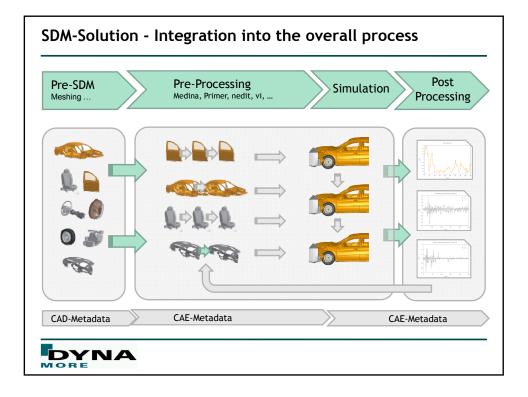
SDM Solutions für Crash - Requirements in Software Development -

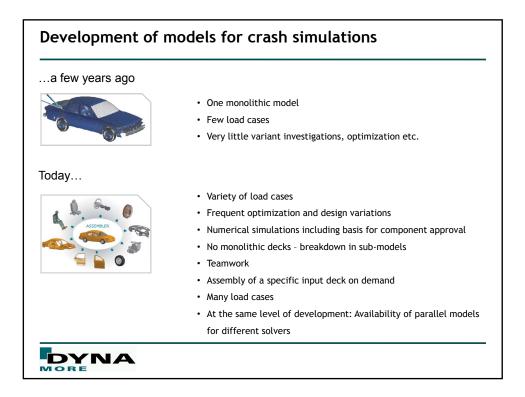
M. Liebscher, M. Thiele

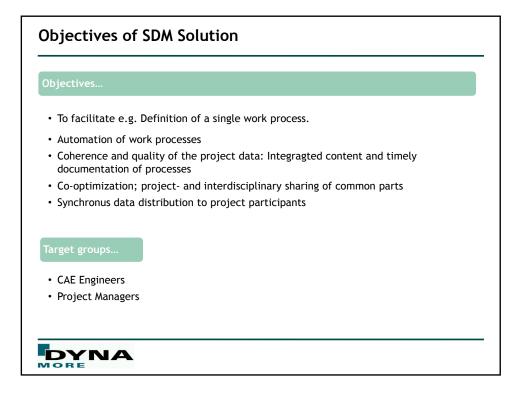
DYNAmore GmbH

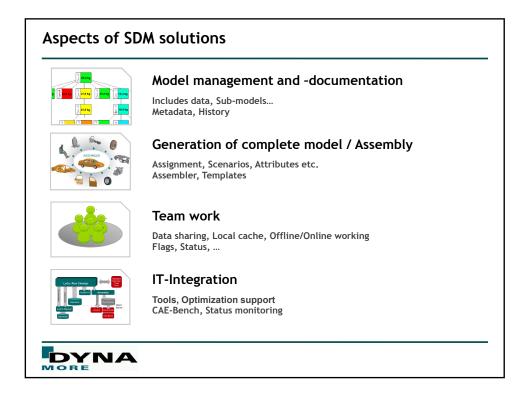




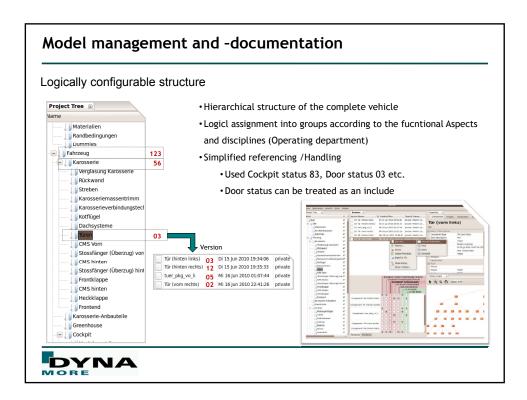


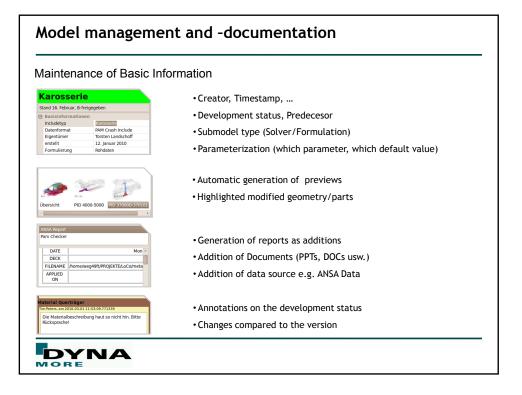


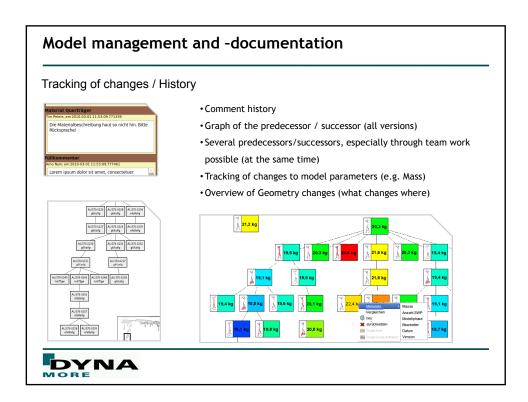


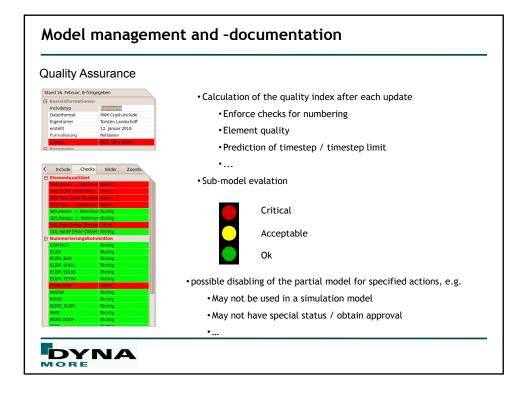


Model management and -documentation Includes data, Sub-models Metadata, History
Generation of complete model / Assembly Assignment, Scenarios, Attributes etc. Assembler, Tempistas
Team work Data sharing, Local cache, Offline/Online working Flags, Status,
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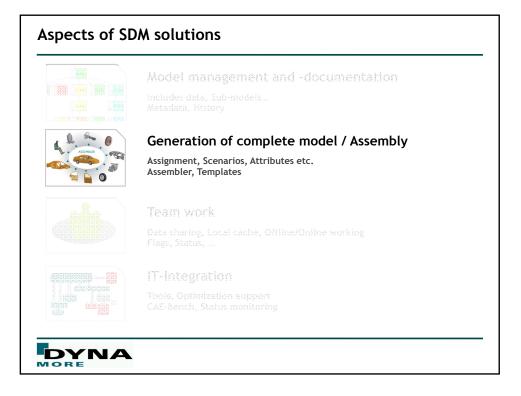


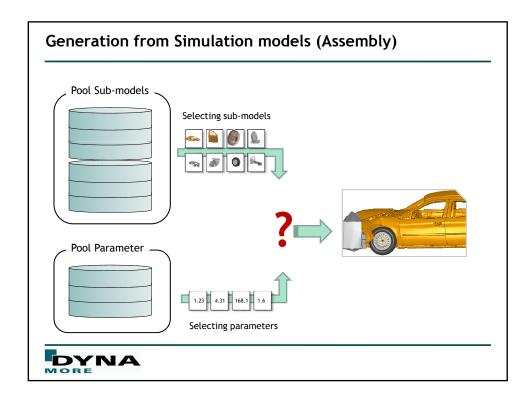


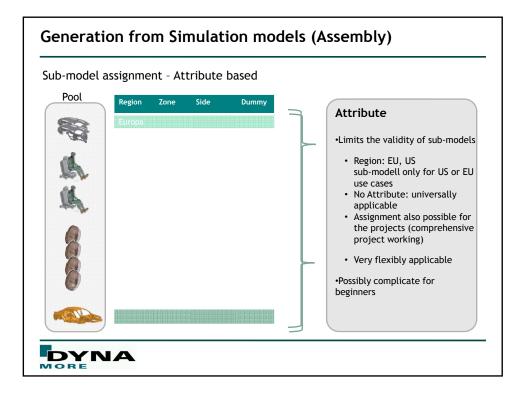


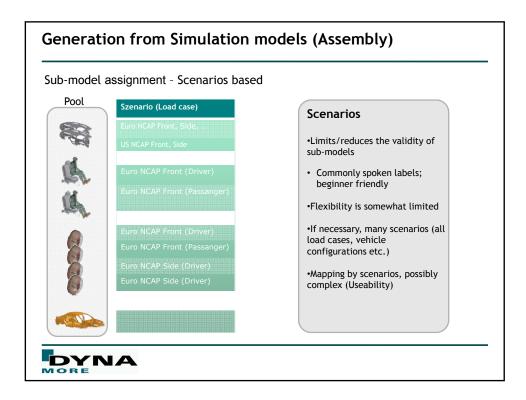


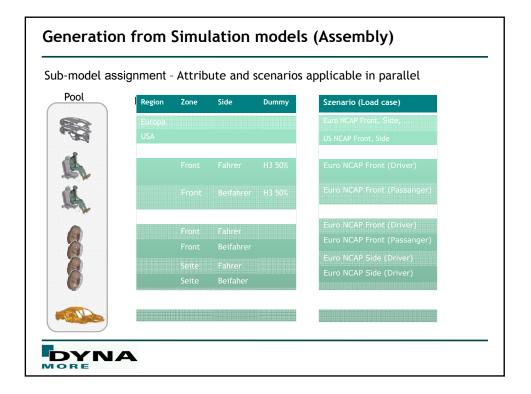
arameterization	
Parameter Gurt Undersipankt GURTTP Sitz Bitz Benutzerdefinieter P SHORTCUT	Identification of parameters during update of a sub-model
	Parameter can be e.g.:
	Ignition points
	Impact points
	Sheet thickness
	 Material properties
	•
\$+1+2+- \$ RUNEND/ TIME CAL_TIME END_RUNEND \$	• Parameters are defined, based on placeholders and/or in solver
	specific format in Inlcude (before updates)
	 Pre-definition of mandatory parameters is possible
	User defined parameters
	Provision of default values



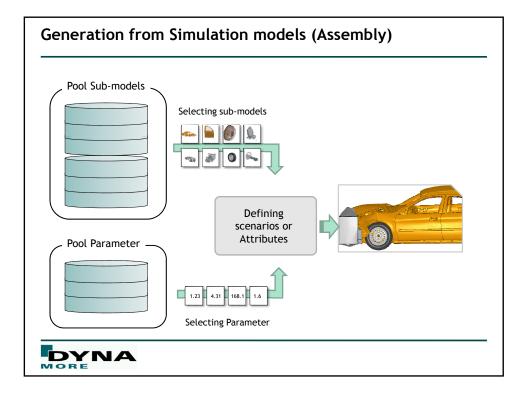


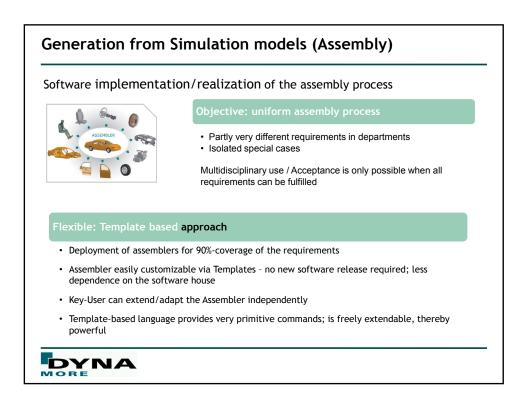


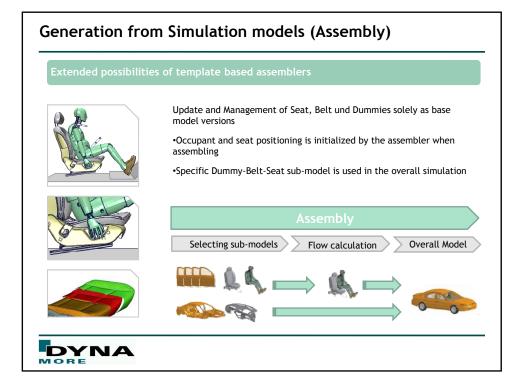


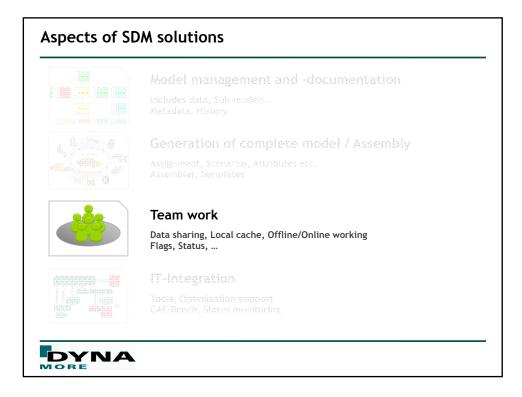


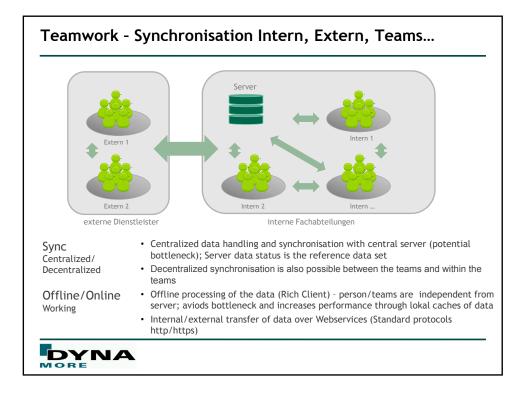
Pool			i scenaric	s applicat	ble in parallel
	Euro NCAP Front	=	Region: Zone: Dummy: 	Europe Front H3	Component Images Association Comments Screario Lastrall EuroNCAP Resetz Frontalimpakt 56 km/h EuroNCAP Frontalimpakt 64 km/h EuroNCAP Frontalimpakt 6 Gotter Comments Screario S
	Euro NCAP Side	=	Region: Zone: Dummy: 	Europe Side H3	Properties Image Association Comment Attribute Value Value Value Value Region Image FEU VEU VEU VEU Barriere Image Image <t< td=""></t<>



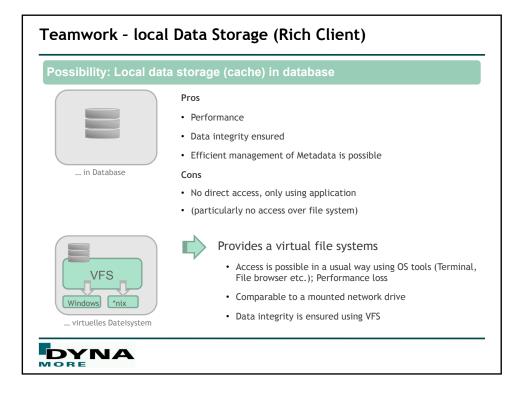


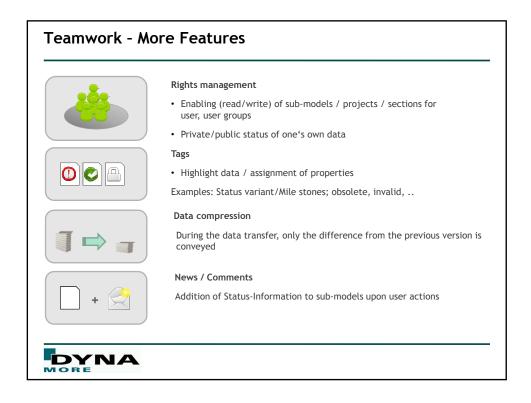






ossibility: Local data storage (cache) in file system			
i Alrbag_PAB Cockpit & Cockpit & Dummy_H3 Dummy_H4 Greenhouse Greenhouse Gurt_H9 Gurt_H4 Gurt_H4 Gurt_H4 Gurt_H4 Gurt_H4 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6 Gurt_H6	 Pros Low threshold, little change in the operation for the CAE Engineer Access using OS tools (Terminal, File browser etc.) Cons Data integrity must be constantly verified; Changes outside the application should be monitored; Data integrity cannot be ensured Performance not optimal (due to constant scanning, monitoring) Management of metadata is problematic Data storage in the file system is not optimal 		





Aspects of SD	M solutions
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