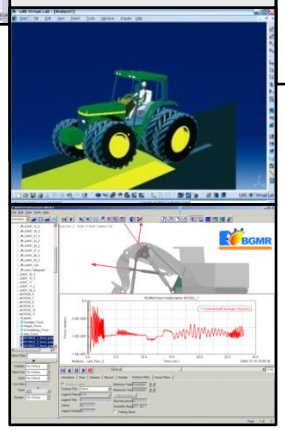
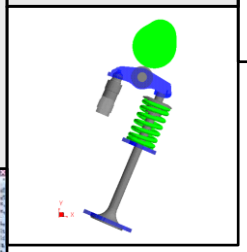
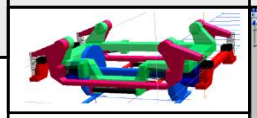
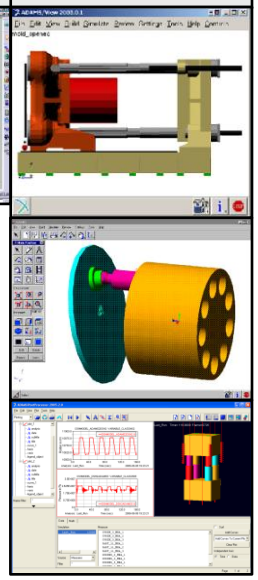
Co-Simulation: DSHplus + MotionSolve

Co-Simulation: DSHplus + MotionSolve

Fields of application

Car	Truck / Trailer	Tractor/ Construction	Engine	Railway	Aero	Industry
• Function: Power Steering, Power Braking • Safety: ABS, ESP • Comfort: Air springs, semi-active dampers			• Hydraulic lash adjuster • Torque converters • Injection pumps & nozzles • Belt / Chain Tensioners	• Suspension • Brake • Active Roll System • Axle Steering System	• Landing gear suspensions • Actors & controls in flaps and slats • Controls & hydraulics	• Presses and Roller Mills • Injection molding machine • Component development
Active body control	Seat- and cabin suspensions					
	Hydrobushings					
		• Power tools • Implement actors & controls • Hydraulic systems				



…and many more to find in your application!

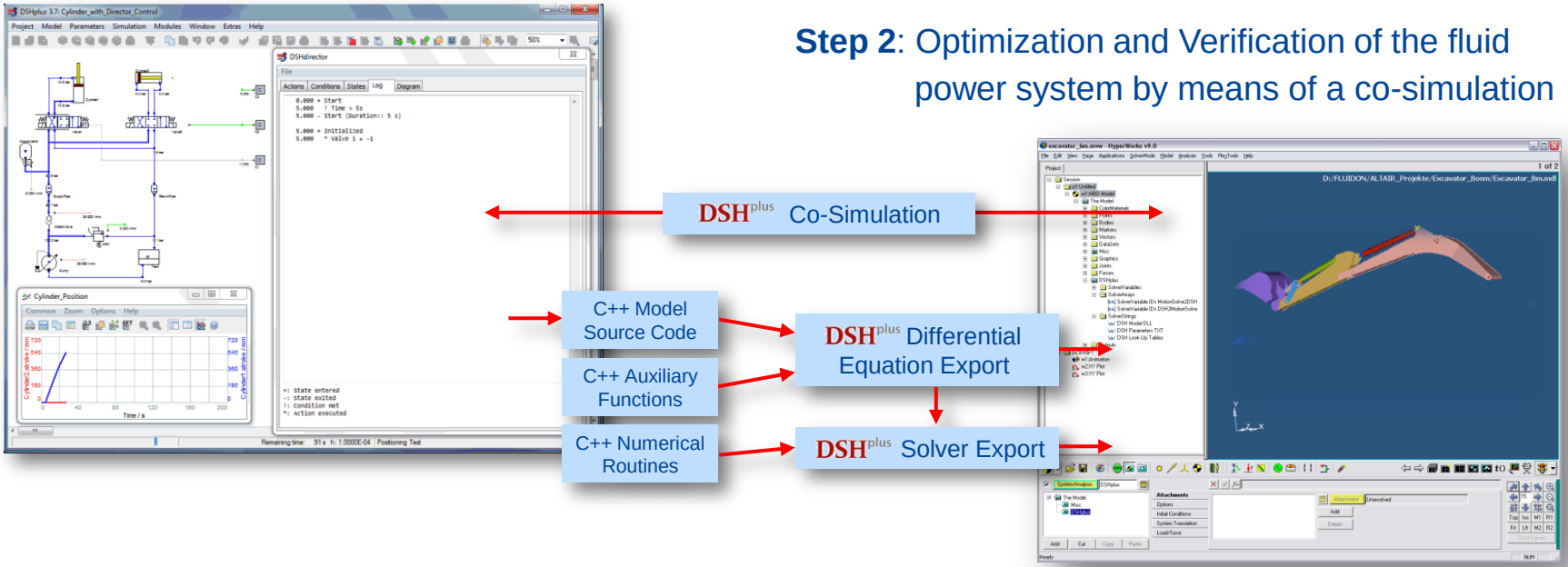
FLUIDON

Co-Simulation: DSHplus + MotionSolve

DSHplus Simulation Tool Chain

Step 1: Initial Simulation of the fluid power system in DSHplus

Step 2: Optimization and Verification of the fluid power system by means of a co-simulation



Step 3: Export of the fluid power system as embedded system in a different simulation domain or on a different hardware

Online co-simulation:

- Online manipulating of DSHplus model
- Online post-processing in DSHplus
- Huge number of predefined models in libraries

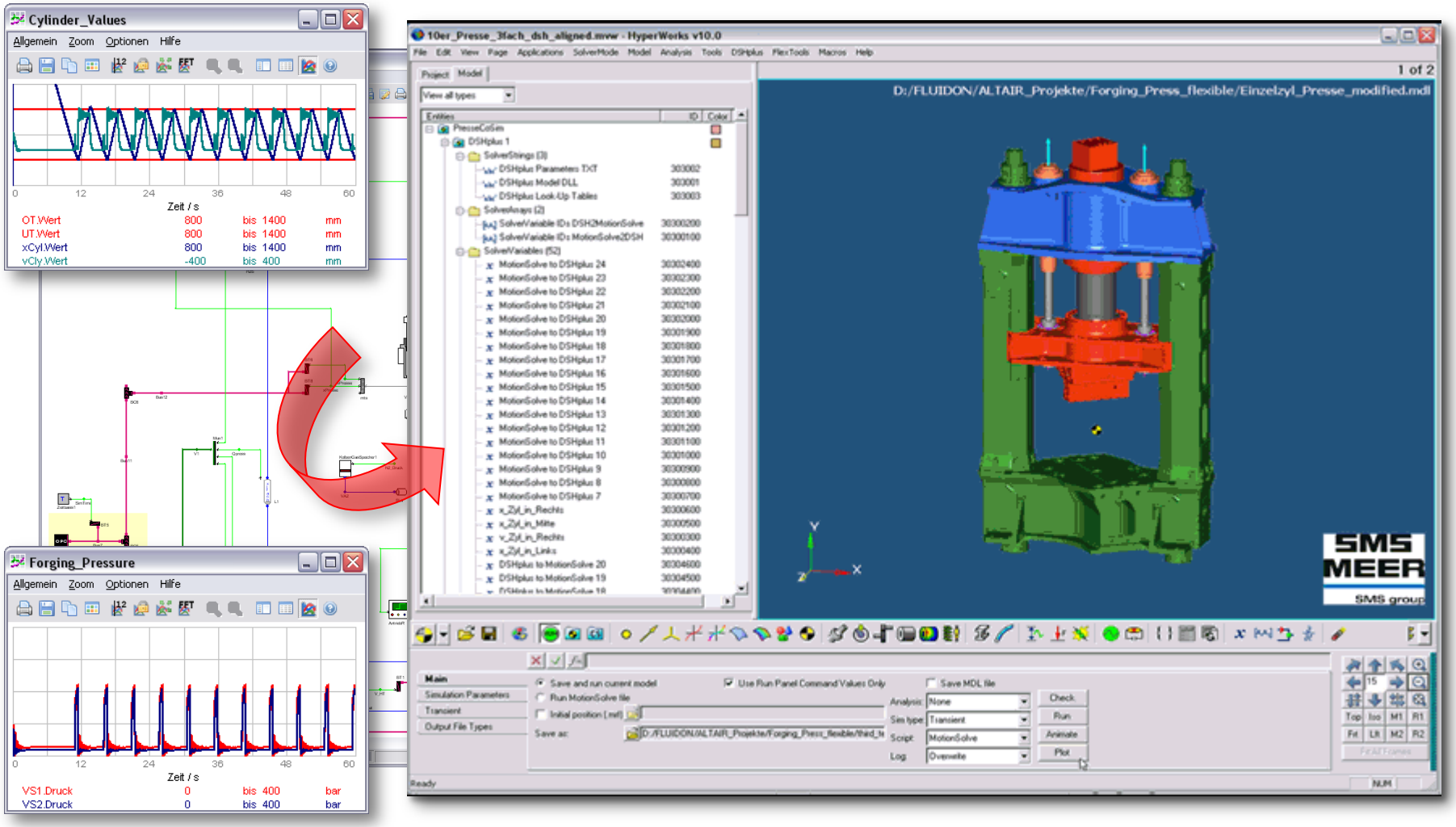
Embedded co-simulation:

- No local license of DSHplus necessary
- Manipulate pre-selected parameters of DSHplus model
- Incorporate as any other feature

FLUIDON

Co-Simulation: DSHplus + MotionSolve

Simulation a forging press with DSHplus and HyperWorks



FLUIDON