

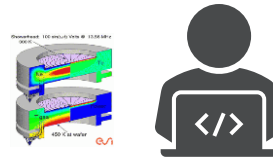
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# Simulation democratization

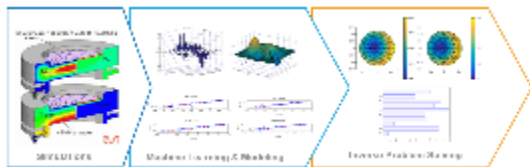
## Model Order Reduction

# Democratization of simulation

CAE Expert



CAD Design Engineer  
*Design & Process optimization*



Control Engineer  
*Real-time process control*

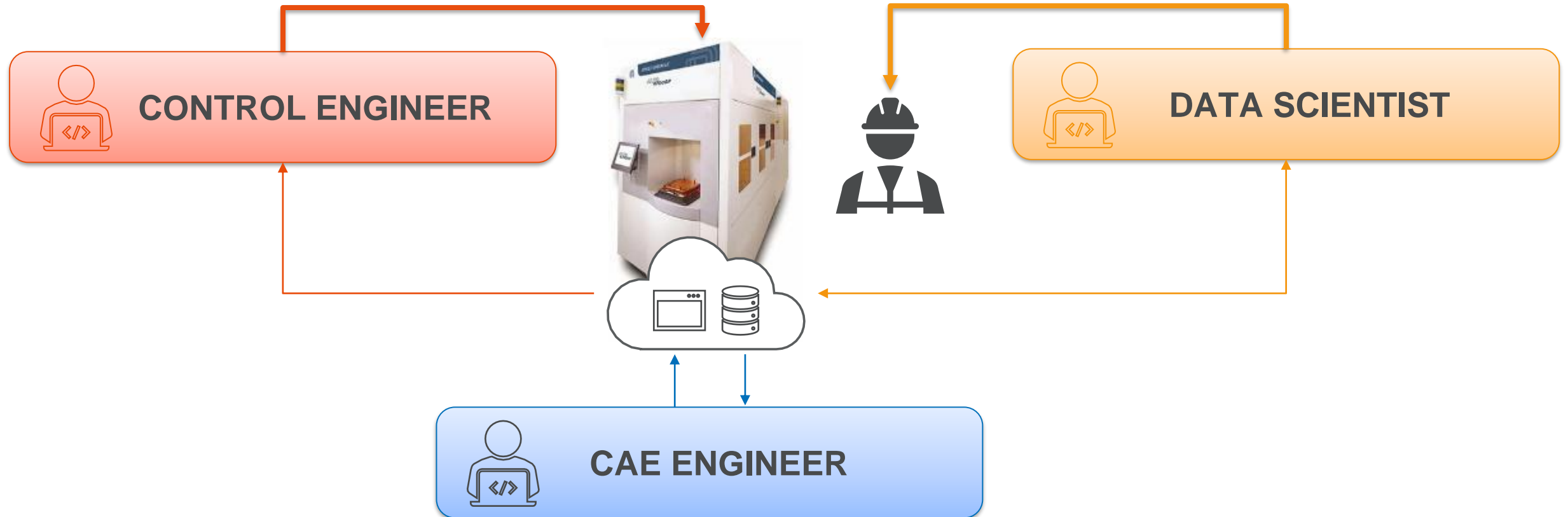


Technician  
*Simulation democratization*



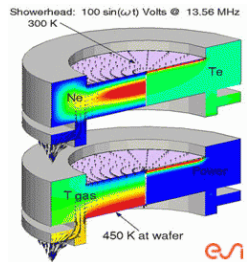
\*CAE = Computer Aided Engineering  
\*\*CAD = Computer Aided Design

# Example: Process Industry

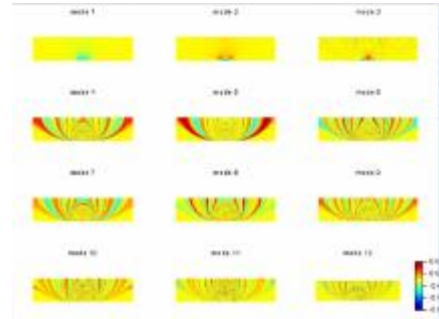




# CAE ENGINEER



SIMULATION



MODEL ORDER REDUCTION



MODEL CALIBRATION



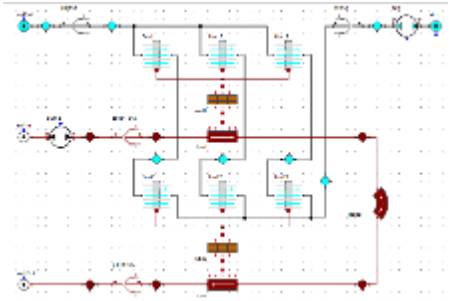
ePOD/FMU

MODEL DEPLOYMENT





# CONTROL ENGINEER



**FULL SYSTEM MODEL**



**FMU**

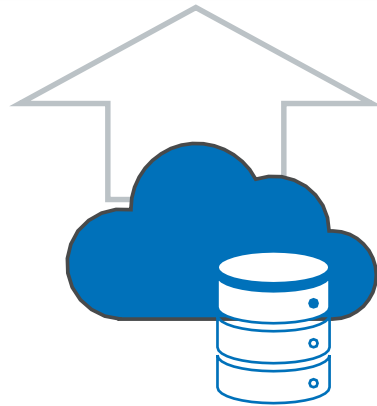
**DETAILED COMPONENT MODEL**



**CONTROL SYSTEM DESIGN**

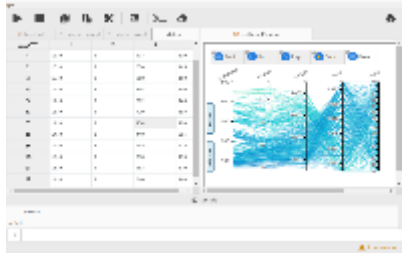


**C CODE GENERATION**





# DATA SCIENTIST

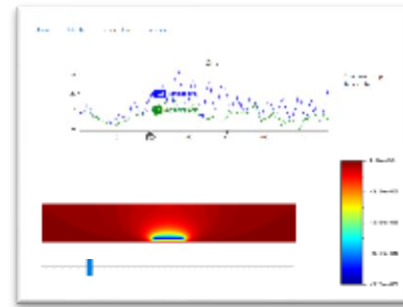


**EXPERIMENTAL DATA  
PROCESSING**



ePOD

**REAL TIME SIMULATION**



**DECISION SUPPORT  
APPLICATION DESIGN**



**CLOUD DEPLOYMENT &  
REMOTE VISUALIZATION**

