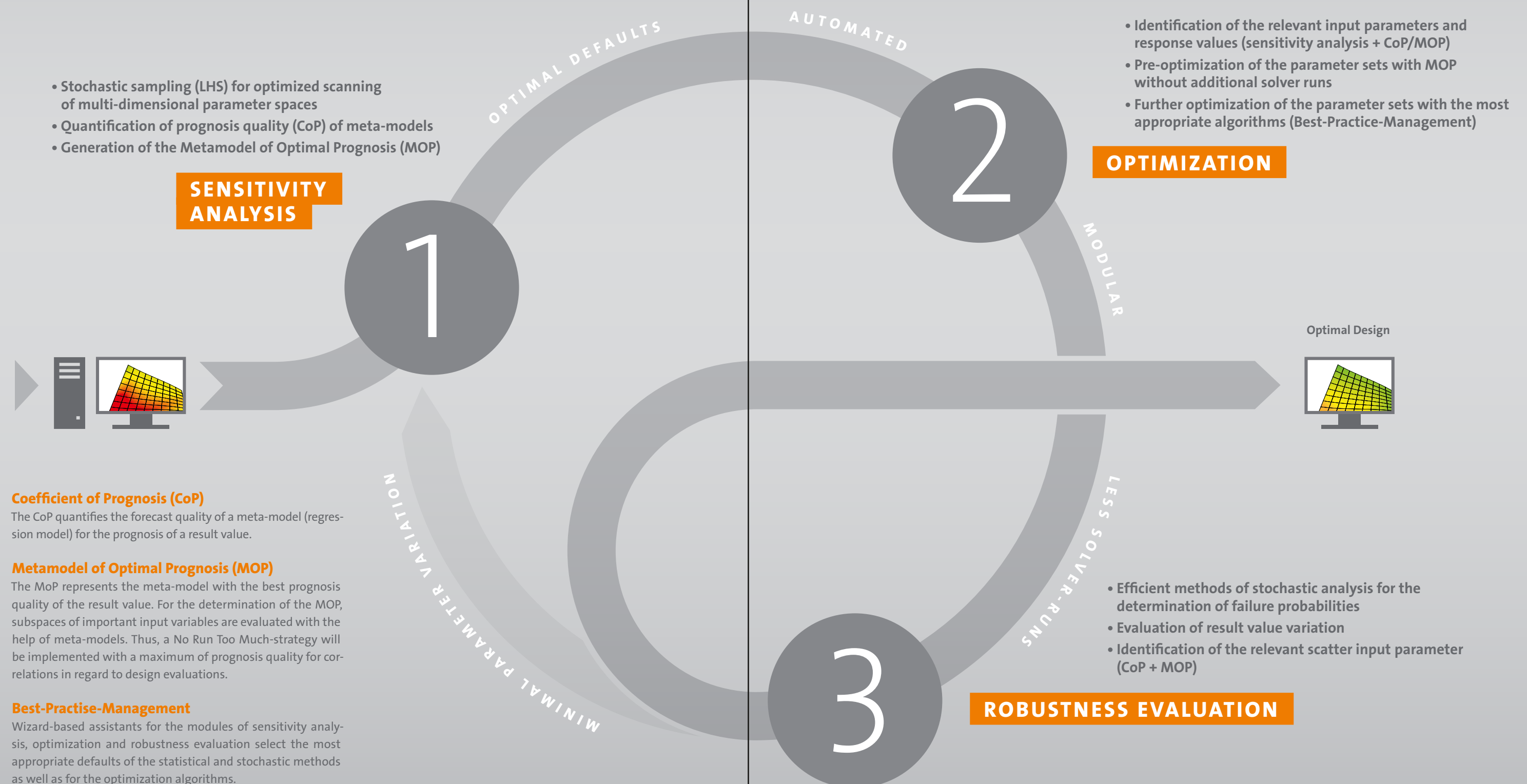


MASTER OF DESIGN – CAE-BASED ROBUST DESIGN OPTIMIZATION WITH OPTISLANG

Sensitivity analysis, optimization and robustness evaluation with a minimum amount of user input and solver runs for your effective virtual product development



Coefficient of Prognosis (CoP)
 The CoP quantifies the forecast quality of a meta-model (regression model) for the prognosis of a result value.

Metamodel of Optimal Prognosis (MOP)
 The MoP represents the meta-model with the best prognosis quality of the result value. For the determination of the MOP, subspaces of important input variables are evaluated with the help of meta-models. Thus, a No Run Too Much-strategy will be implemented with a maximum of prognosis quality for correlations in regard to design evaluations.

Best-Practise-Management
 Wizard-based assistants for the modules of sensitivity analysis, optimization and robustness evaluation select the most appropriate defaults of the statistical and stochastic methods as well as for the optimization algorithms.