

# Are You prepared for a Blackout?

*Consulting:  
Power-Breakdown-  
Scenario,  
supported by a  
Blackout-Simulator*

## Cost Impact Simulation and reliable Supply-Planning

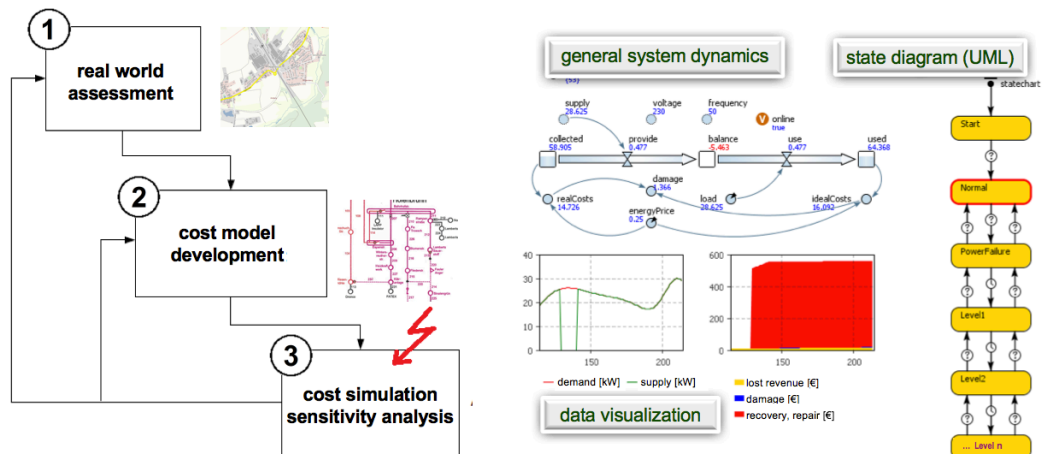
A successful attack to the critical infrastructure of utilities or Distribution System Operators (DSO) may cause tremendous societal costs and severe damage to individuals or legal entities. Conversely, there is a financial cost to implementing security technology. Simulation is used to explore costs from power outages, in order to justify investment into reasonable security measures. The Blackout Simulator will help utilities or DSOs to plan and upgrade their grid infrastructure to grant reliability of supply. Municipalities, investors, and insurance companies could perform risk assessments by evaluating attack or blackout scenarios, which provide damage cost figures and potential losses in terms of revenue or taxes.

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Are you planning to expand your network or want to know more about the costs of power failures? With the Blackout Simulator, ercn determines the framework conditions for your next decisions with regard to the infrastructure of your networks based on your requirements. For example, you will receive a final report, indications of the costs of power failures and the effectiveness of investment in safety measures.



*left: Method for modelling and simulation of utilities' grid critical infrastructure  
right: Example - model of a 20kV customer*