



Software Engineering AG

Intercompro AG

ISPEN solutions

Instant Security Probing of Electrical Networks Solutions

by Intercompro.

You intend to control your network when the SCADA/EMS system fails. You require reliable information on the future state of security of your network (forecasting). You plan to optimize your power flow.

We develop ISPEN based solutions complying with your individual requirements.

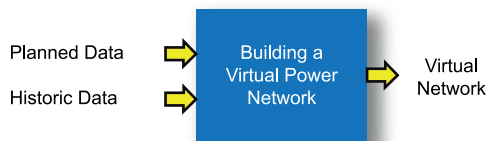
ISPEN solutions

Emergency Operation and Forecasting

In case of emergency operation as well as forecasting, no current online data is available. However, in such cases, we can build a virtual power network as input for controlling and monitoring of security state in the future using schedules.

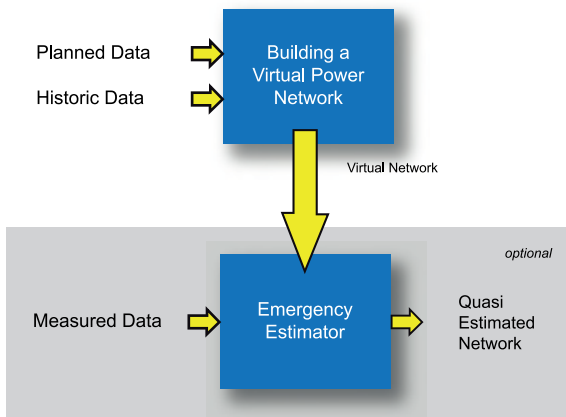
Building Virtual Power Networks

If your planned data for topology, exchange, production, as well as history data are available and this data reflects the real state of your network in sufficient accuracy, you can build a virtual network based on this data.



Emergency Operation

In case of emergency operation, a better result can be achieved if you also have access to some measured data.



Application of Virtual Power Networks

Virtual power networks can be applied in the same manner as online networks:

- As input to the SCADA/EMS system
- As input to the security monitoring system (ISPEN/OCD)
- As input to simulation tools like ISPEN/IPFA

Optimizing

Power flow optimization (OPF) is a method to improve the operational and economic objectives. We are experienced in implementing power flow analysis and optimization algorithms. Therefore, we are skilled to tailor optimization algorithms and objectives to the individual needs of the customers. Benefit from our expertise and our already developed algorithms.

EPS Software Engineering AG

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