

The path to the digital grid

In addition to the technical adaptation, digitalisation of the grids is gaining in importance. ASCR determines the cost-benefit optimum of field sensors and actuators for the efficient and safe provision of smart grid functionalities.

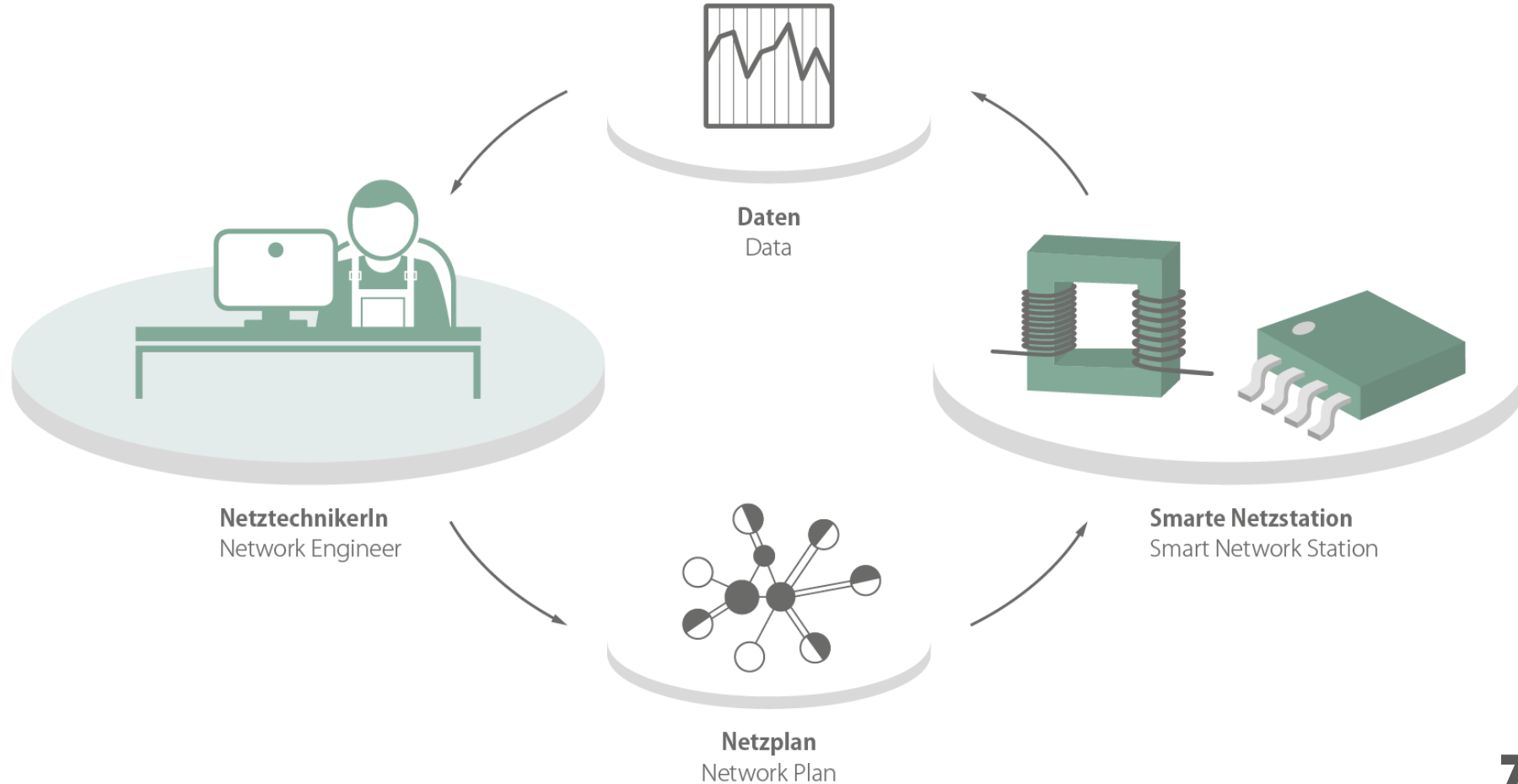
- **Constantly recurring planning process** to enable primary technology and digital planning in the form of a digital workplace.
- **Smart grid functionality** in all existing ASCR testbeds – with a focus on the transformer stations of the existing distribution grid – **without infrastructure adaptation.**
- **Standardisation** minimises complex systems, while simulation of reproduced grid sections creates a better understanding of the network requirements.

Siemens, Wiener Netze

Budget: 2 million Euro

Testbeds: aspern Seestadt
und Wiener Netze grid,
Smart Grid Demonstrator

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UC2



The benefits:

- The grid can be planned better, or planning is possible at all
- Network simulation enables optimal expansion through precise exploration of limits
- After expansion, the success of the simulation can be checked using data