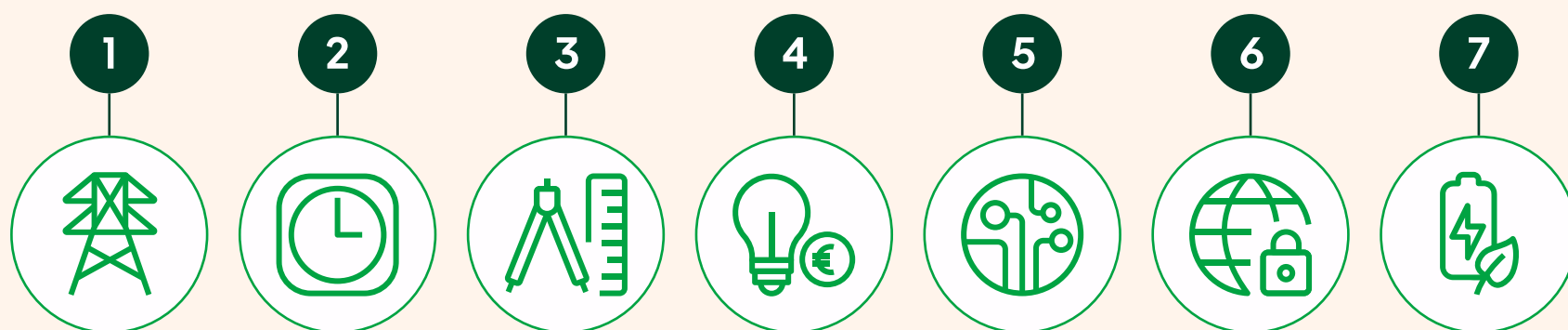


Quantum computing in the energy industry

Quantum computing is beginning to open up new possibilities in the **energy industry**, offering tools to optimise **grid management**, improve **system efficiency** and accelerate the **development of clean tech**.

Here are some of the new possibilities:



1 Optimised **grid topology** and location of different assets.

2 **Real-time *trading*** models in energy markets.

3 Improved meteorological models for calculating **generation forecasts**.

4 Integration of real-time IoT device information: **efficient and connected consumption**.

5 **Quantum sensors** that enable more accurate **monitoring** of energy assets.

6 Improving transaction **cybersecurity** and data protection through encryption.

7 **New types of batteries** optimised using quantum technology.