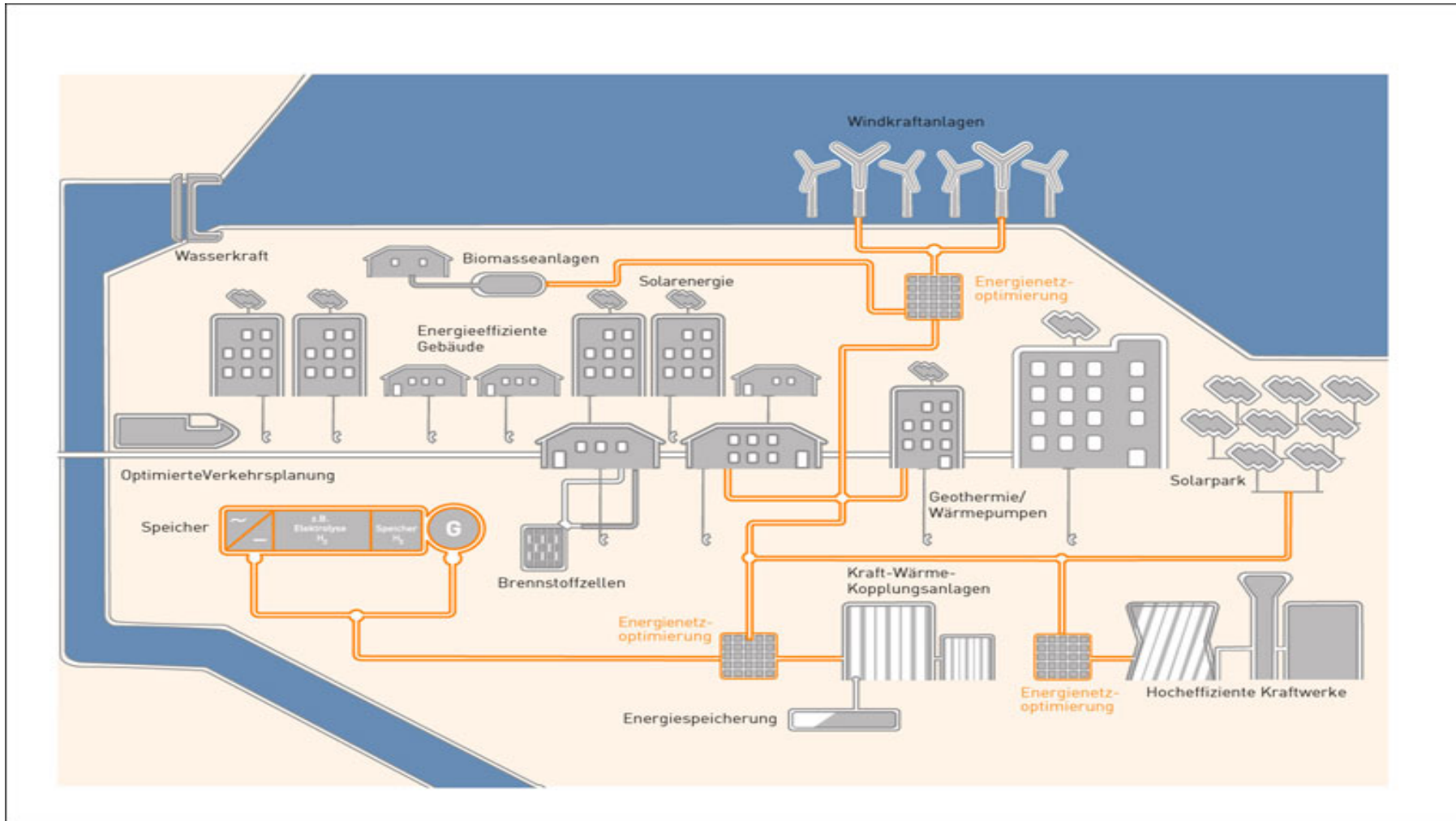


Energieconcept for the new world

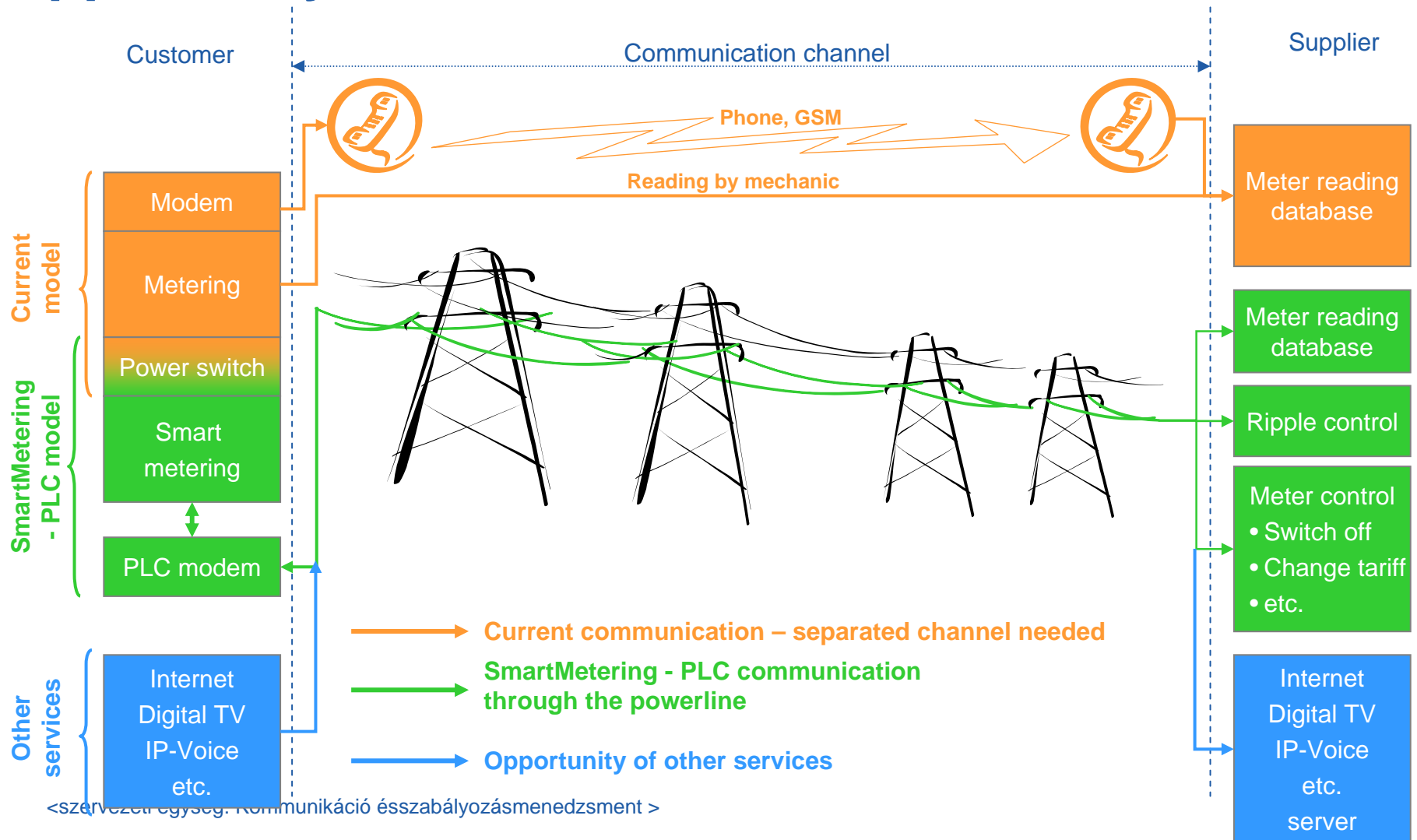


Intelligent Energy Systems

- The future energysystem will be more decentralized
- The production technologies will be smaller
- Demand side has to be taken into consideration for the management and optimisation of the system

**Challenge: The energy system
will get more complex**

Opportunity of other services



The idea of Smart Metering

- Smart Metering is a bidirectional communication between meter and utility with the following possibilities:
 - Remote metering
 - Meter control (tarif control, remote manipulation or switch off, transport of tarif information, handling of pre-paid meter and contracts, replacement of audio frequency ripple control, etc.)
 - Transport of operating data
 - Quality control of the grid
 - Fast meter control, managing of supplier change process
 - New and flexible tarif and service products