With the myPowerGrid platform distributed energy generation, storage and consumption is easily managed.

myPowerGrid **HOME**
myPowerGrid **PROFESSIONAL**

› Visualization of generation, consumption, self-supply, battery status

› Regulation of battery-converter systems

› PV-forecast and consumption forecast

› Monitoring

› Integrated energy:
  e-mobility, heat pump (SG Ready)

› Control of a distributed battery-storage grid (swarm)

› Load-frequency control

› Green accounting grid

Secure communication and highest data integrity.

developed by

Fraunhofer
ITWM

CONTACT US!

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my**Power**Grid

› *SIMPLE*
INDEPENDENT

The Software Ecosystem of the Energy Transition.

Titelbild: iStock.com/mapodile

my**Power**Grid

The my**Power**Grid Software Ecosystem – Platform for renewable Energy!

Integrating renewable energy into the electrical grid is an essential step to exit from a nuclear and fossil-fuel energy supply. myPowerGrid realizes this: A platform to manage distributed energy generation, storage and consumption.

Components of the myPowerGrid Ecosystem:
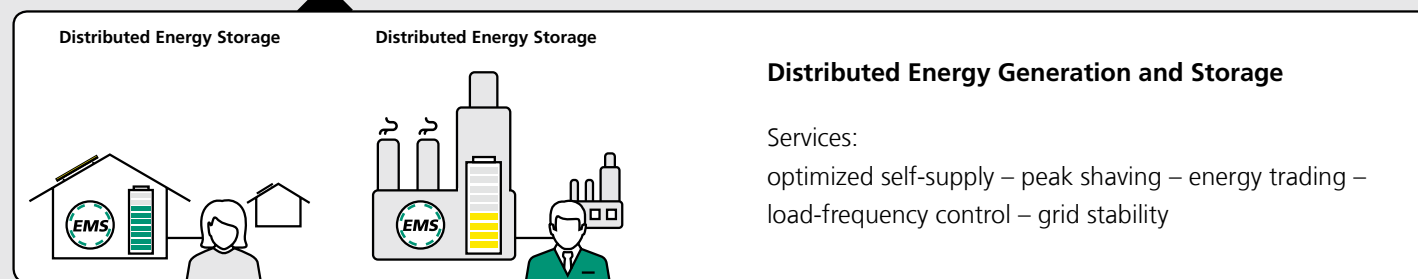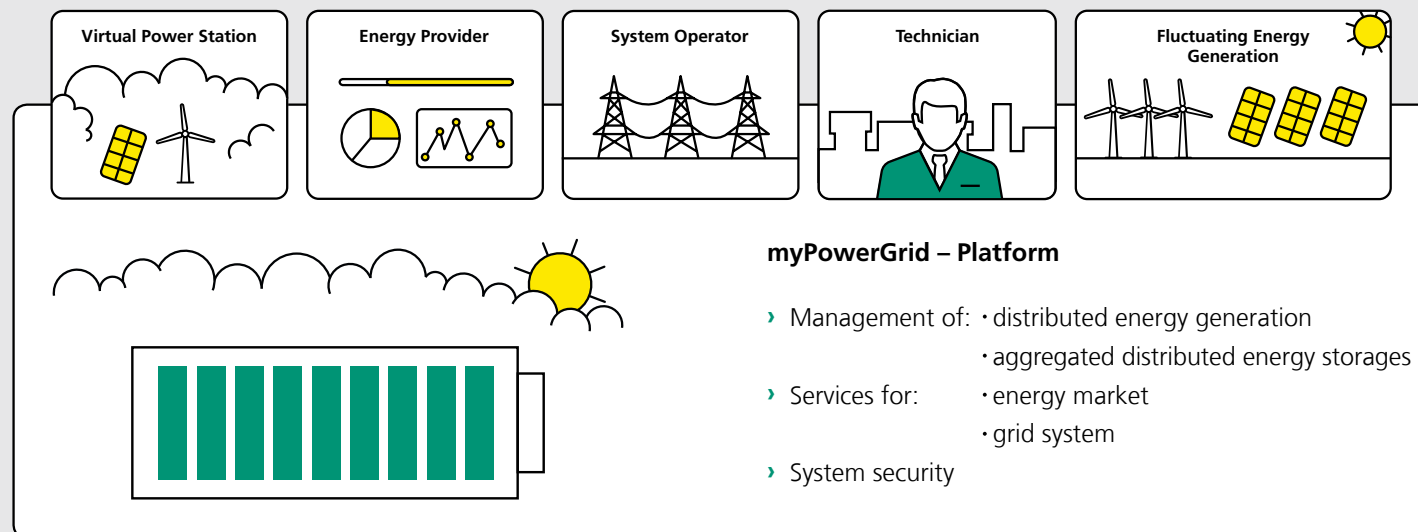
AMPERIX

Amperix
the Energy Management System

myPower**Grid**

myPowerGrid Platform
Aggregation & Management Web Platform

PVCAST.

PVCAST.de
PV-forecast, a B2B Web Service

The **myPowerGrid Software Ecosystem** is a highly flexible and powerful partner for innovative business models, e.g.:

› Regional supply with green power
› Intelligent energy management of micro-grids
› Peak energy demand management

Virtual Power Station **Energy Provider** **System Operator** **Technician** **Fluctuating Energy Generation**

myPowerGrid – Platform

› Management of: · distributed energy generation
· aggregated distributed energy storages
› Services for: · energy market
· grid system
› System security

Distributed Energy Storage **Distributed Energy Storage**

Distributed Energy Generation and Storage

Services:
optimized self-supply – peak shaving – energy trading – load-frequency control – grid stability

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myPowerGrid reduces energy costs for private households and, furthermore, provides benefits for system operator and electric utility:

› Optimized management using generation and consumption forecasts
› Advanced peak shaving algorithm
› Cost-efficient and secure remote counter read-out
› Integrated energy (electricity, heat, e-mobility)
› Stand-alone local energy management with secure connection to the platform

› Embedding of distributed storages into combined cycle power plants
› Regulation and optimization of the customer energy flows
› Power trading and load-frequency control
› Avoid grid-expansion
› Grid stabilization

› Flexible to satisfy customer needs