



We believe in a world powered by **100% renewable energy.**

Our **Energy IoT platform** as the key to a successful
energy transition and sector coupling

Kiwigrid: Numbers & Facts

 founded 2011

 located in Dresden, Deutschland

8bn Data points per day

18+ Countries in operation

50k+ User

500k+ Devices and Things

3k+ Registered installers

160+ Employees

90+ IT-Specialists

100+ Successful projects

Shareholder

AQTON



Product portfolio | secure, scalable and cross-sector

Manufacturer-independent with the know-how from over 10 years of industry experience

The Independent Home | TIH (SaaS)

enables energy optimization, intelligent charging of electric vehicles and the year-round supply of clean, self-generated energy for homes.

Own Application (PaaS)

APIs offer modular, turnkey functions that enable B2B customers to bring their own application to the market in a targeted and customized approach.

The Transactive Grid | TTG

Is the bridge from the building to the energy market. Dynamic tariffs are optimized and control interventions in accordance with §14a are ensured.



KiwiOS | KOS

the most powerful service platform for decentralized energy. KiwiOS X: highly secure, scalable also for international markets, completely independent of device manufacturers, PaaS-capable.

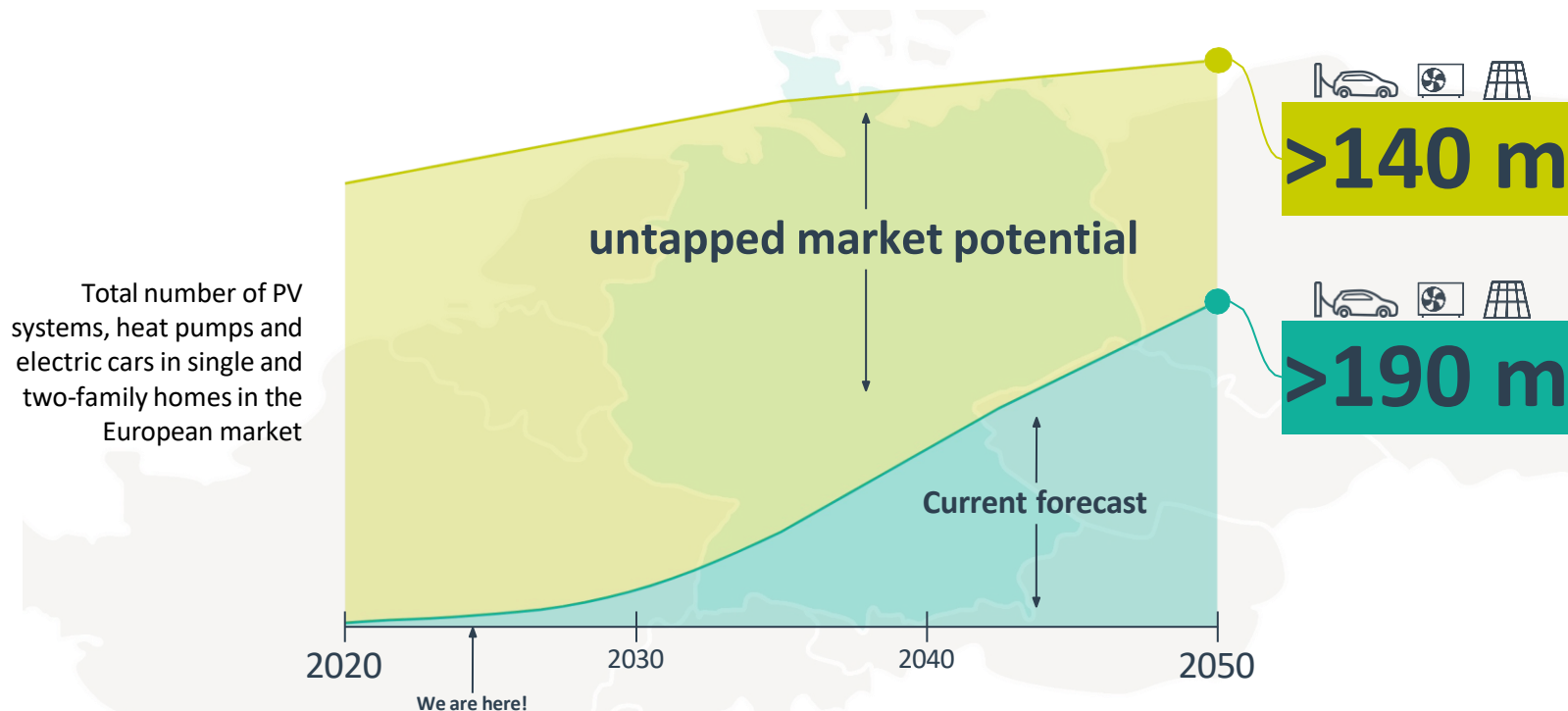


Energy Manager | EM

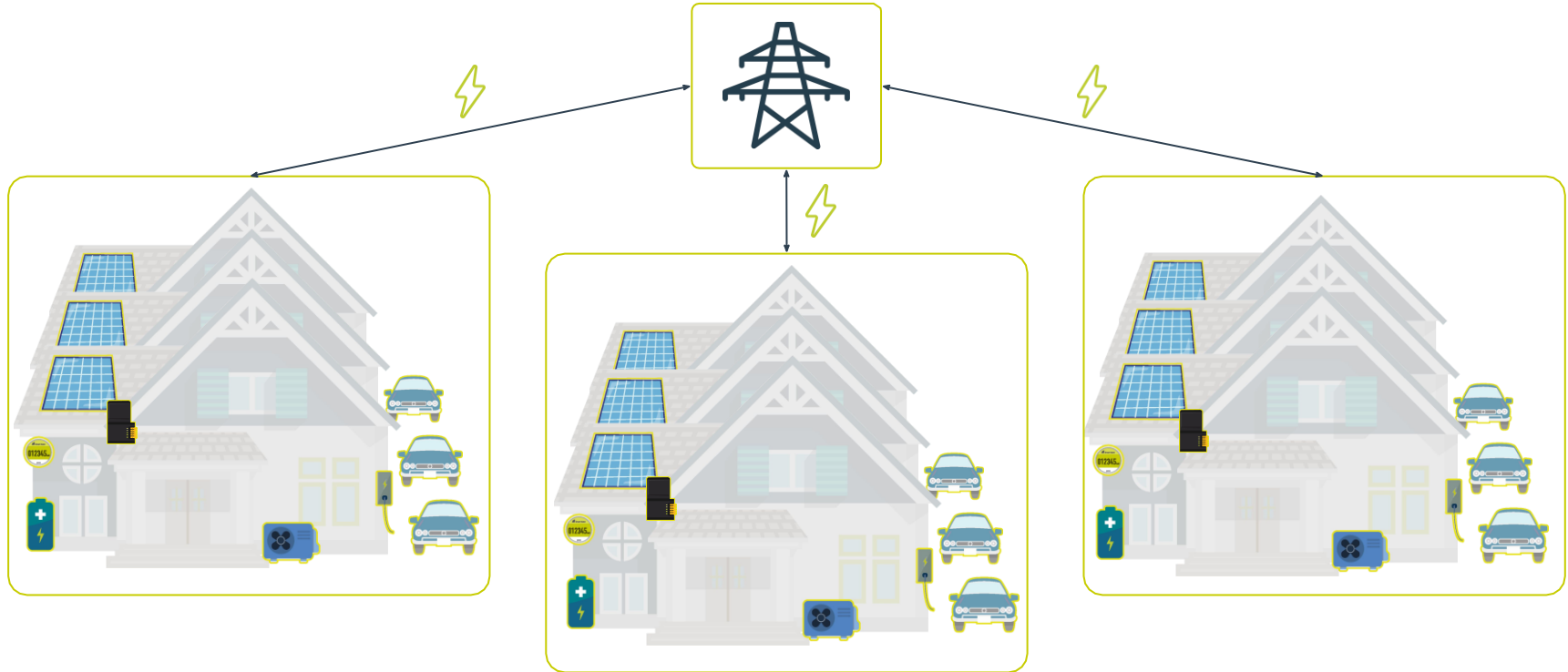
EM.VoyagerX and EM.RailX automatically detect and install devices in the field and provide standardized connectivity based on Eclipse IoT and OpenHAB.



The market for decentralized home energy is huge and will grow faster than we think



More and more houses have PV systems, and the number of heat pumps and electric cars being sold is rising constantly

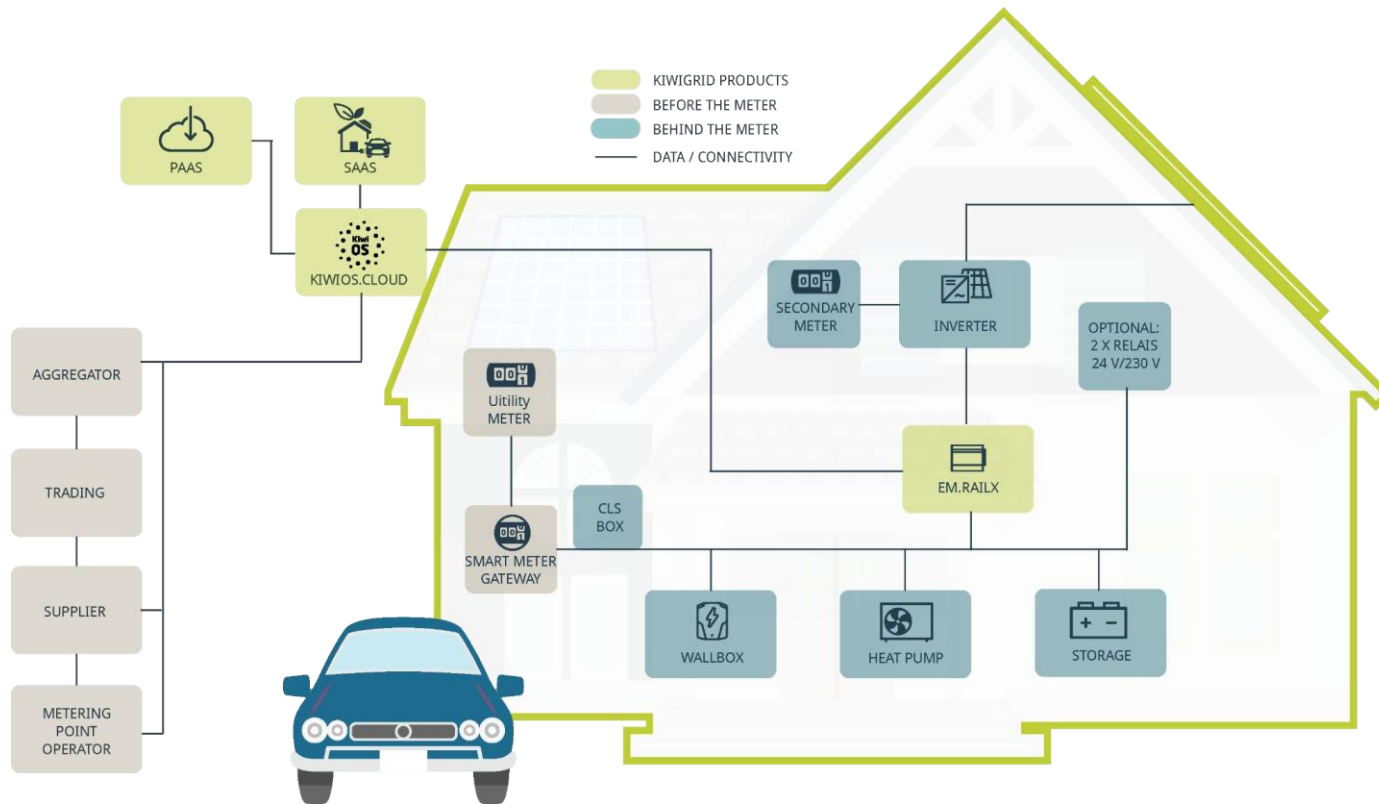


Thousands of homes with solar PV systems, electric vehicles, and heat pumps in Germany alone



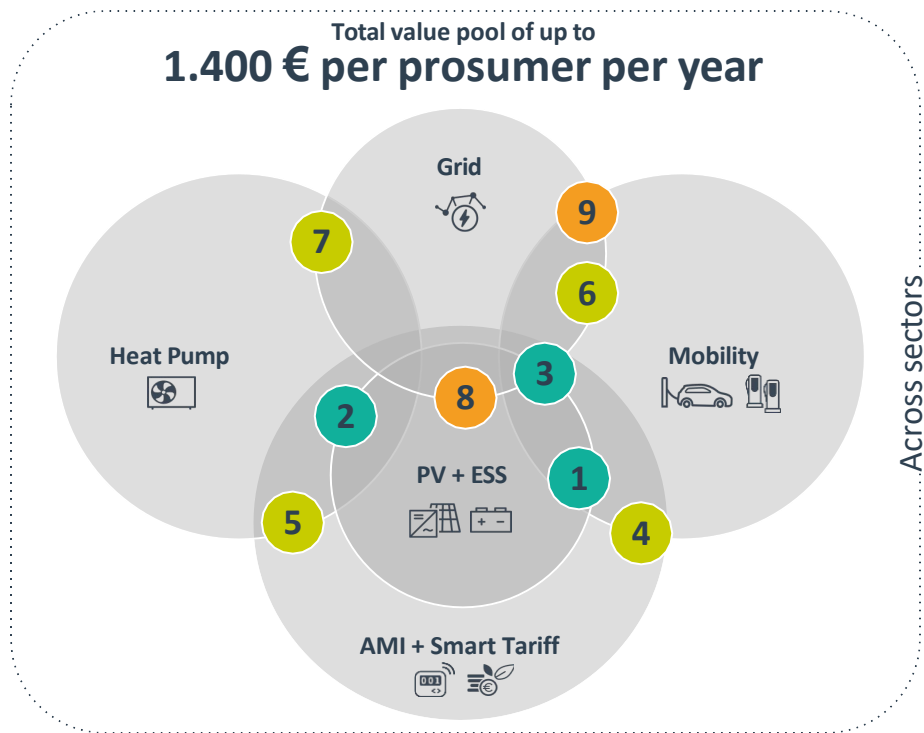
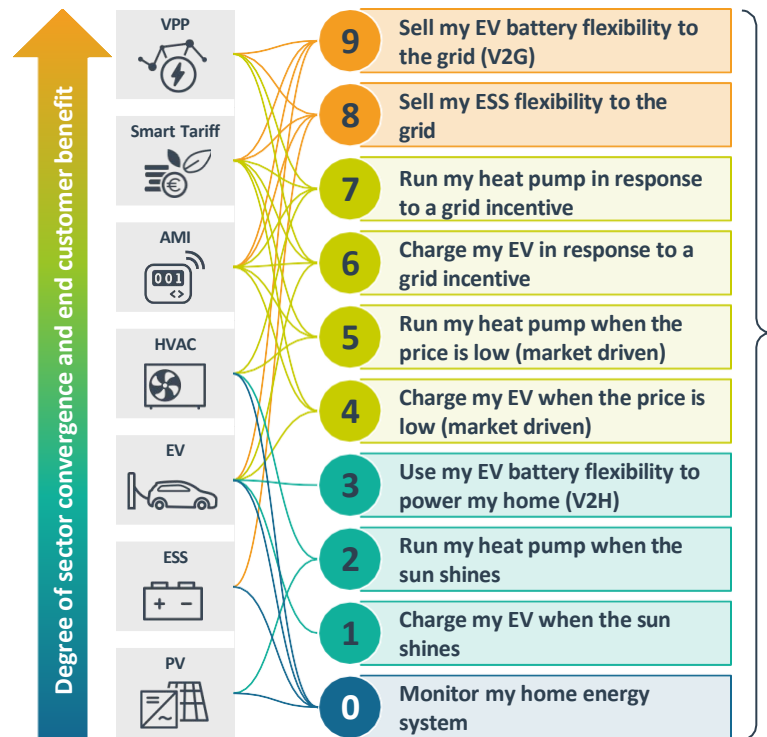
This leads to an unprecedented level of **complexity**

Challenge #1: Integration of heterogeneous hardware and energy market systems



This leads to an unprecedented level of **complexity**

Challenge #2: Optimization of energy across sectors and value streams



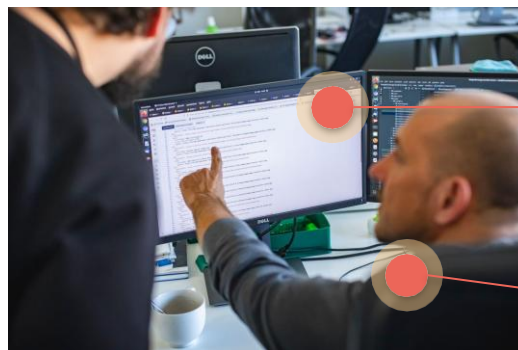
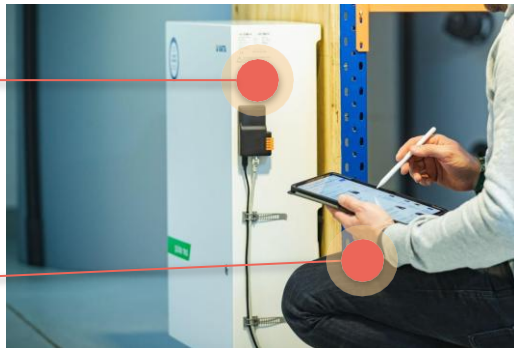
This leads to an unprecedented level of **complexity**

Challenge #3: Development and operation of a complex IoT infrastructure in the energy sector on a large scale

1 Agile **SW and HW development** and maintenance

2 Development of **device integration and managing partnerships** with device manufacturers

3 Ongoing **testing and validation** of sector-coupled energy systems



4 **Hosting and operational management** of cloud service

5 Monitoring and **technical support** of hardware and software infrastructure

6 **Introduction and maintenance** of an IT/data security and quality management system (e.g. ISO 27001)

7 **Recruiting and retaining** highly qualified software and electrical engineers

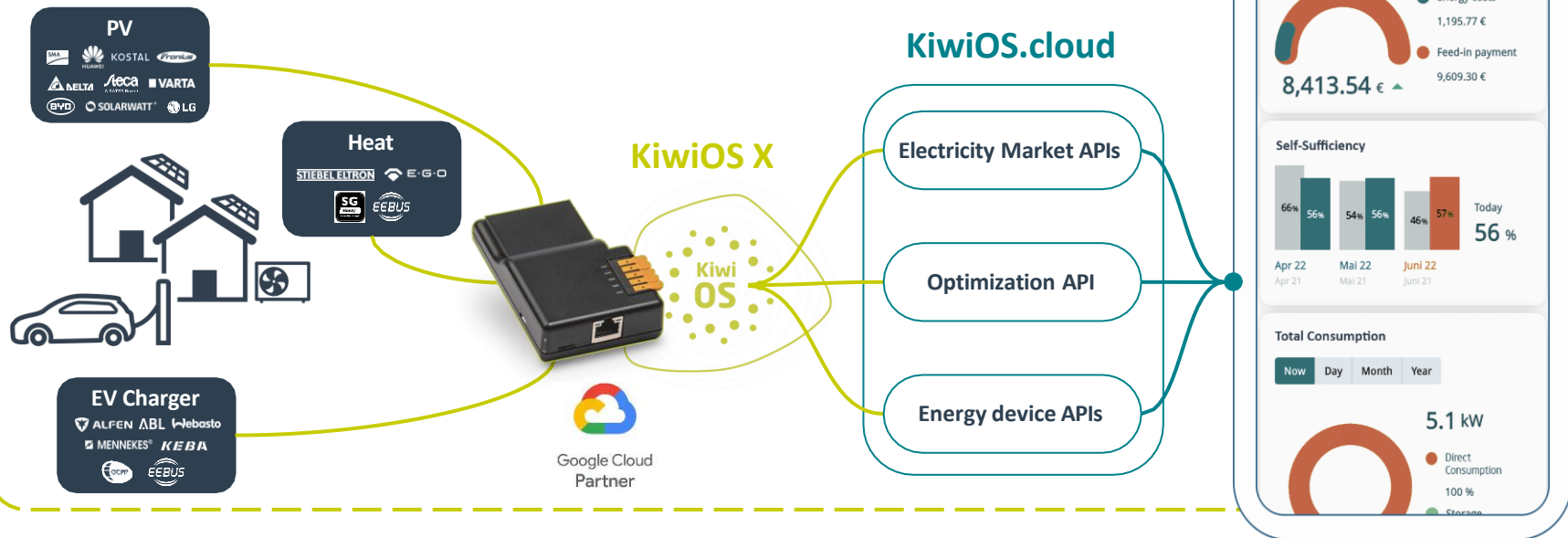
Unlocking complexity: Kiwigrad's solution for every use case

Works with **most popular** devices

Easy-to-install and easy-to-upgrade

Offers **modular, turnkey** functions

Enables custom solutions **via APIs**



Ready-to-use, user-friendly and easy-to-integrate software products



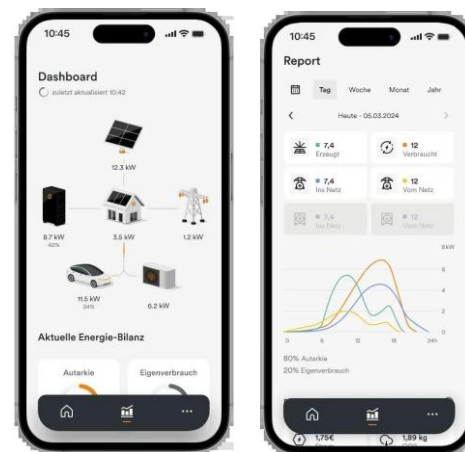
Our customers' own PaaS applications

Our API cloud products offer a wide range of possible applications

Application example



Energiekonzepte Deutschland GmbH



Source: ekd-solar.de

A decade of experience in efficiently integrating and operating devices at the cross-industry system level

- Kiwigrad operates two independent system validation sites with an area of more than 600 m²
- Both facilities allow for the installation of various configurations consisting of EV charging stations, PV/hybrid inverters, energy storage systems, heat pumps, smart meters and smart home devices, as well as the ability to connect and charge multiple EVs
- Instead of installing all available device configurations individually, a networking matrix has been set up that enables a quick and uncomplicated combination of device configurations with different device types from different manufacturers



90+ engineers with brilliant SW and HW development skills

Software

- Kiwigrid has been developing energy applications since 2011
- More than 90 professional software engineers in the areas of frontend, backend and embedded development
- Many years of engineering experience in the development of fully regulated smart meter gateways with EAL4+ and ISO 27001 security levels
- Unique expertise in implementing connectivity for a wide range of energy devices
- Experts in site reliability engineering on the Google Cloud Platform

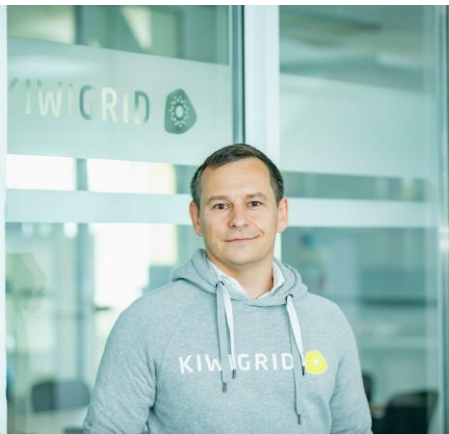
Hardware

- Kiwigrid has been developing gateways for energy applications since 2011
- Over 70,000 of Kiwigrid's Energy Manager have been produced in the last 10 years
- Interfaces and their installation are extensively tested by installers from the PV industry
- Unique expertise in the implementation of fieldbuses for the PV industry and their user-friendly application via software

Our mission is huge. We have a fantastic team to accomplish it.



Janek Schuffenhauer
Managing Director



Lars Schwarzelt
Managing Director



Dr. Carsten Bether
Managing Director



+160 Kiwis
Chief Energy Transition Officers

Shareholders





We rethink energy

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