

The Company

Key Facts

Founding:	2016
Founders:	David Balensiefen and Andreas Booke
Industry:	Energy and Infrastructure
Services:	Energy-IoT solutions
Headquarter:	Aachen (Germany)
Sites:	Aachen and Munich (Germany)
Employees:	> 25 (February 2019)



»Internet of Things« (IoT) refers to the connection of objects with the internet so that they can communicate with each other independently.

Awards:



What is gridX?

gridX GmbH was founded in 2016 by David Balensiefen and Andreas Booke. It is dedicated to the energy revolution, one of the most important challenges of our time. At the Aachen and Munich offices, Energy-IoT solutions are implemented that offer customers comprehensive technology for the rapid development of new business areas. gridX processes large amounts of data and uses self-learning algorithms to continuously optimize products and applications. The latest software structures enable so-called docker containers, which allow for modern software development and networking of hardware and IoT.

In response to high demand, gridX now works exclusively with business customers, whereby the gridX technology was originally created for end customers. At its core, it enabled private households to connect renewable energy generation plants and households on a digital platform. Irrespective of the manufacturer, the gridBox is the only product on the market that can intelligently link different generation systems and consumers, such as charging points and battery storage units, to the stations grid across all sectors (electricity and heating).

› Who are the Customers?

There are numerous business customers along the energy supply chain who are facing the digital transformation and want to develop new business models. These include energy supply companies, OEMs (Original Equipment Manufacturers), automobile manufacturers and petrol station operators. By using the gridBox and the software provided, companies are able to meet the new end customer requirements in an efficient and environmentally friendly way. With gridX, companies are spared to invest millions in the building of their own IoT cloud infrastructures, with most of the capital being spent on basic developments that have nothing to do with the actual solution.

All gridX usecases are available as white label solutions so that they can be tailored to customer requirements and individually adapted.

› Existing Usecases

The usecases Independent Homes, Smart Charging and Microgrids put the above into practice. Together with partners and customers such as Viessmann and innogy, gridX realizes solutions for various problems. Independent Homes create a flexible energy management and energy monitoring system for private households with self-sufficiency. Furthermore, many companies benefit from Smart Charging, as this solution enables efficient and controlled charging of electric vehicles and relieves the grid connection point. Finally, the monitoring and balancing of energy flows in the Microgrid increases energy efficiency, creates temporary independence from the grid and enables peer-to-peer energy trading.