

Ambibox GmbH

Our vision of renewable energy in a profitable DC microgrid

An essential success factor of the energy turnaround towards renewables is the establishment of small, decentralised energy systems such as prosumer households with their own photovoltaic system, home storage and intelligent energy management. To date, these energy systems have not been economical.

We aim to make these decentralised energy systems more economical. Ambibox realizes this by efficiently networking energy components to DC microgrids in the energy and data communications functions. Ambibox develops components and system solutions for DC-based technologies and sets industry standards in the markets for energy storage, charging infrastructure and networked energy systems.

Our company

We are a young company based in Mainz, Germany with many years of industry experience. What may sound like a contradiction describes us very well. Because we combine our experience and professionalism with the speed and flexibility of a start-up. With patented technology and strong industry cooperations we can provide reliable and scalable solutions from the initial idea to the start of production to our clients around the world.

Our journey so far



Our products

ambiBOX®

1. Efficient DC-DC connection of energy devices

Bidirectional DC/DC controller for high voltage connection of DC operated devices such as photovoltaic systems, batteries, heat pumps, DC brushless motors, etc.

ambiBOX® EV

2. Efficient DC-DC connection of electric vehicles

Bidirectional DC/DC controller for high-voltage connection specific to chargers and charging technology for electric vehicles.

ENERGY

YAK

3. Efficient gateway for energy devices

The YAK is an Embedded Linux enriched controller board supporting a huge variety of communication interfaces. It's a gateway on the edge of the network that is also able to handle massive measurement & control communication between your energy devices.

DATA

sid-OS

4. Universal energy software framework

sid-OS is a development framework that enables simple, secure, flexible and efficient linking of physical energy devices with digital energy management applications via standardized building blocks.

