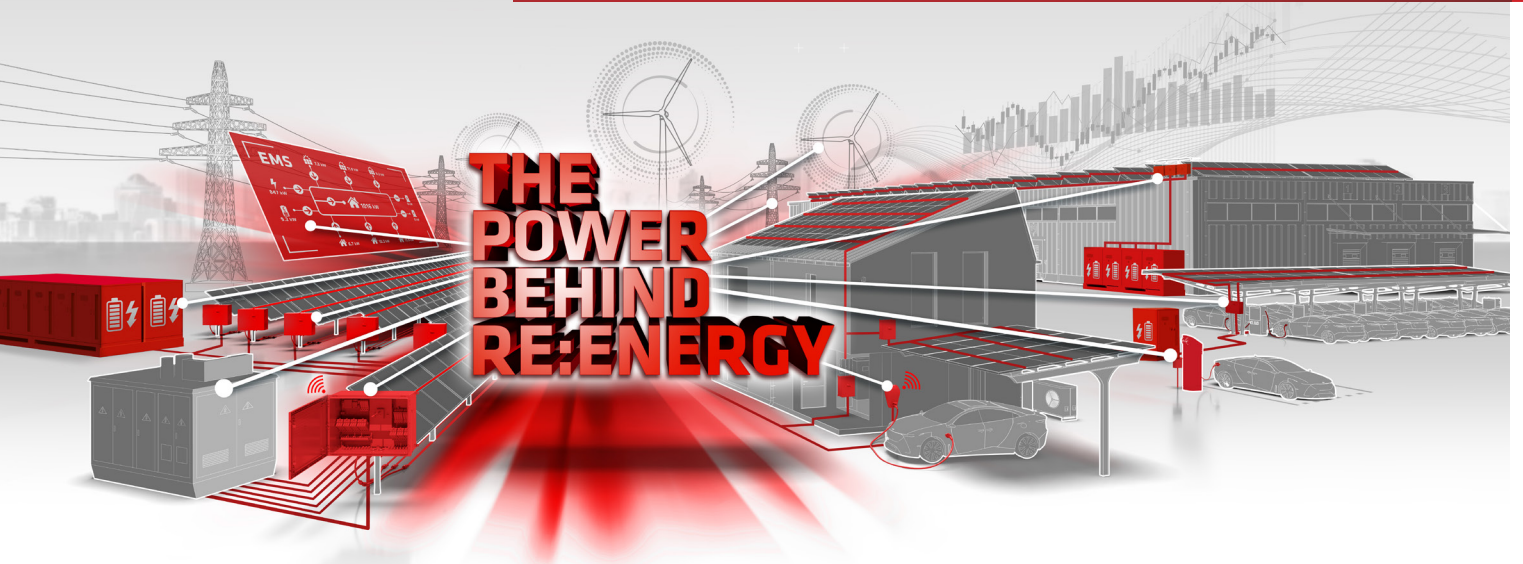


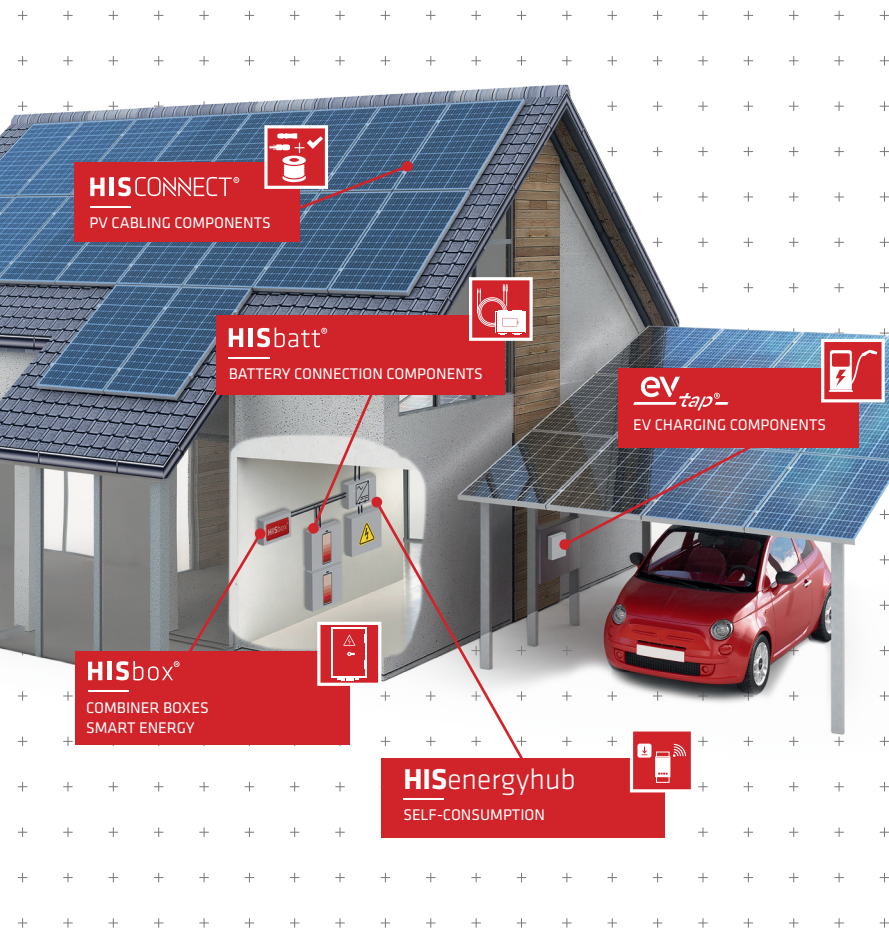
# CUSTOMIZED SOLUTIONS FOR RE:INTEGRATION

UTILITY SCALE, CGI, RESIDENTIAL, STORAGE & EV CHARGING



**THE  
POWER  
BEHIND  
RE:ENERGY**

# SOLUTIONS FOR RESIDENTIAL PV + STORAGE + EV CHARGING



## ALL-IN-ONE SOLUTION FOR PV ENERGY STORAGE

The HISbox® Switchover is an advanced switching solution that is designed to help PV installers optimize their PV systems performance with its backup power function. Including the advanced power management system and automatic backup load shedding feature, the HISbox® Switchover ensures that your PV system operates safely and efficiently, even during power outages or other unforeseen events.

**+**  
SMART COMBINATION OF  
SYSTEM COMPONENTS

LOXONE



## HISBOX® SWITCHOVER

- Ease of installation
- Suitable for TN-S & TT networks
- Three & single phase options
- Battery storage systems compatible
- Compatible with various inverters
- Plug & play design (optional)

Please contact us for customized solutions!

Order No.	
HU1-N-20-40-E01(X)	Single Phase, 20 A, Grid Tied Switching Box
HU1-N-50-63-E01(X)	Single Phase, 50 A, Grid Tied Switching Box
HU3-N-50-63-E01(X)	Three Phase, 3 Poles, 50 A, Grid Tied Switching Box
HU4-N-50-63-E01(X)	Three Phase, 4 Poles, 50 A, Grid Tied Switching Box

\*[X] F: Fronius, S: SMA, H: Huawei, K: Kaco, G: Goodwe, SG: Sungrow

Bitte kontaktieren Sie uns für maßgeschneiderte Lösungen!

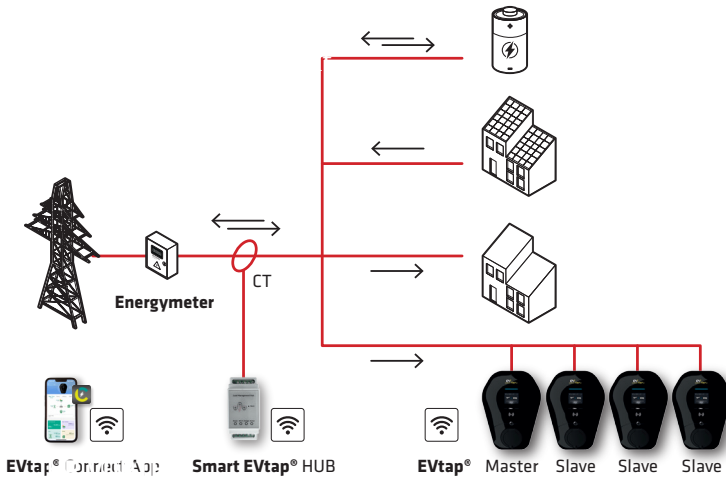


# SOLUTIONS FOR EV CHARGING

## EVTAP® SMART ENERGY HUB

### SELF-CONSUMPTION OPTIMIZATION

EVtap® wallboxes can charge electric vehicles with up to 100% solar power while optimizing self-consumption. In addition, EVtap® dynamically adjusts its charging power to the grid connection limits and the total power consumption of the devices - all thanks to the EVtap® Load Management Hub.



### EVTAP® CONNECT APP



Order No.	Specification
753842	EVtap® Wallbox 11/22kW



Order No.	Specification
758138	Smart EVtap® Energy Hub



### SELF-CONSUMPTION OPTIMIZATION & DYNAMIC LOAD MANAGEMENT



### CONNECTION CABLES

Whether battery connection cable or data connection cable: At HIS you get the right cable for every situation.



### BYD CONNECTION CABLES FOR BATTERY-BOX PREMIUM LVS

Order No.	Specification
V-BYD35-2500-01	1 set 2x 35 mm <sup>2</sup> , length 2,5 m; BYD connector / M8 cable lug
V-BYD50-2500-01	1 set 2x 50 mm <sup>2</sup> , length 2,5 m; BYD connector / M8 cable lug



### OEM solutions for PV- & Storage Industry - HISbox ESS Combiner

### FULL SERVICE OEM MANUFACTURING



PLAN



OPTIMIZE



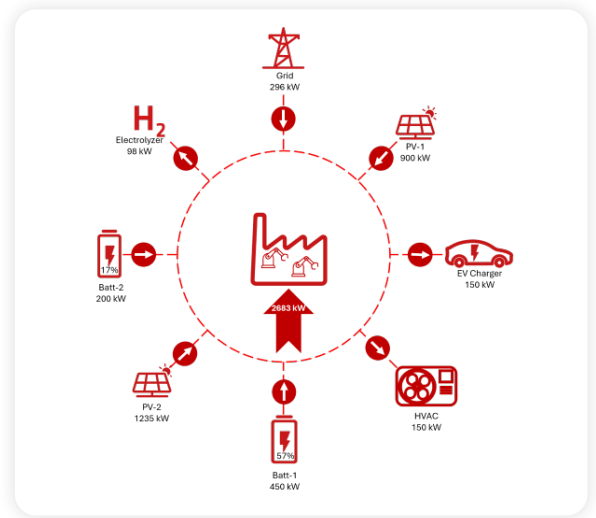
BUILD

# SOLUTIONS FOR COMMERCIAL & INDUSTRIAL HISEMS

## HISems – ENERGY MANAGEMENT SYSTEM

The Energy Management System (EMS) is arguably the most crucial component of any Battery Energy Storage System (BESS). It intelligently controls, records, and monitors the energy flow during the charging and discharging processes of the BESS, ensuring that this information is readily available to the operator.

Our HISENERGY Management System (HISems) can be split into two components: HIS-Energy-Manager (Hardware) and HIS-Flow-Portal (Software & HMI). Together, HIS-Energy-Manager and HIS-Flow-Portal empower operators to gain a comprehensive understanding of the Battery Energy Storage System's (BESS) performance, including the volume of energy transferred in each direction, and provide insights into the current expectations from the BESS. With the HISems, operators have the ability to adjust parameters, select applications, and tailor the system to best suit their business needs and industry requirements.



At the heart of our intelligent Energy Management System (HISems) lies the HIS-Energy-Manager. This pivotal hardware is specifically designed for commercial and industrial applications, meticulously controlling and recording all critical data.

The HIS-Energy-Manager is an integral component of our HISbatt® All-in-One energy storage solutions. It seamlessly connects with energy generators, such as photovoltaic (PV) systems, as well as with the energy loads within your system. Armed with this comprehensive data, you can efficiently regulate and optimize your project. Additionally, the system offers AI-based optimization and forecasting capabilities, further enhancing the performance and efficiency of your energy system.



## HISBOX® SMART – POWER & METERING

### BENEFIT FROM HIS COMPETENCE

To maintain the safety and reliability of your solar power system, we offer a range of grid and system protection boxes that meet the highest safety and reliability standards. HISbox® Smart Power & Metering Boxes take over the monitoring and protection function including checking the grid voltage, the grid frequency and the detection of a possible isolated operation.

**+**  
MAXIMUM SECURITY  
AND RELIABILITY

### HISBOX® SMART – POWER AND METERING

- Meets the requirements of VDE 4105
- Integrated AC Combiner (inverter-collector)
- Real-time monitoring and control
- Interface direct marketing RE
- Automatic or manual operation
- Suitable for indoor and outdoor applications
- According to IEC61439-1 & 2



HIS Renewables is one of the leading European providers of system solutions for the integration of renewable energy. Whether integrated photovoltaics, storage solutions, self-consumption optimization or EV charging technology: All HIS solutions have been developed at the company's location in Germany for more than 25 years and are manufactured on state-of-the-art machines and systems.

The result: Holistic, innovative and reliable solutions based on the plug & play approach, which ensure fast project implementation and a reduced risk of errors, and which enable HIS customers to carry out their tasks in the implementation of the energy transition quickly, safely and affordably in the long term.

## FIELDS OF ACTIVITY



**UTILITY SCALE**  
WORKS BEST WITH [T]HIS



[T]HIS IS MADE FOR  
**CGI ROOFTOPS**



[T]HIS IS WHAT  
**RESIDENTIAL PV** REALLY NEEDS



**STORAGE**  
YOUR ENERGY WITH [T]HIS



TAKE [T]HIS FOR YOUR  
**E-MOBILITY**



[T]HIS **OEM SERVICE** IS BEST FOR YOUR BUSINESS

## HEADQUARTER & OFFICES



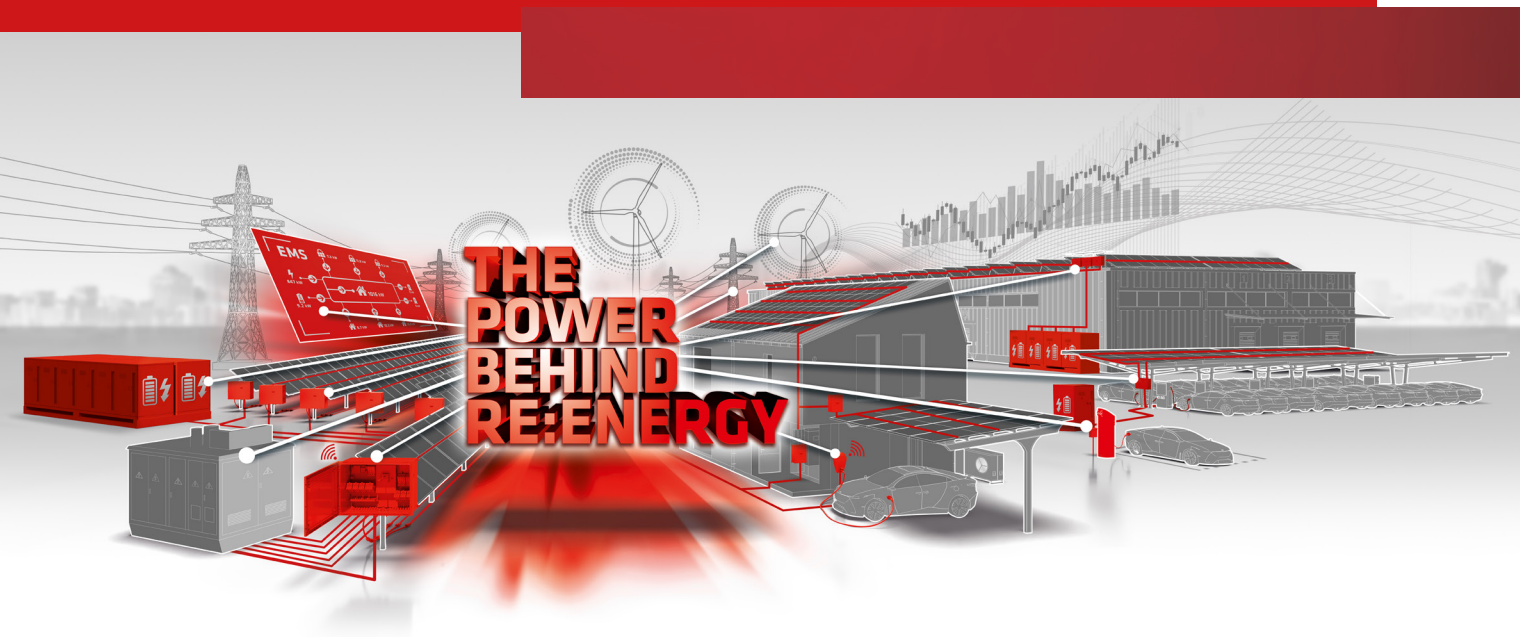
BeNeLux + Poland  
France + + Germany Headquarter  
Spain & South America + Bosnia-Herzegovina  
Turkey & MENA

more than **6,5 GW** of successfully connected PV projects per year

**>2000 customers** in more than **60 countries** worldwide

more than **25 years experience** in the PV sector

# EUROPEAN TURNKEY ENERGY STORAGE AND EV CHARGING SOLUTIONS



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