



## AHK – VI Symposium for Renewable Energy

17th of November 2020

Virtual Conference



„ENERGY EFFICIENCY WITH INTEGRATION OF RENEWABLE ENERGIES IN TRANSPORT,  
INCLUDING CHARGING INFRASTRUCTURE AND ALTERNATIVE FUELS”

**LEHNER Innovative Produkte**

Owner Manfred Lehner

Thank you for your invitation and the opportunity to present



Innovative Produkte

Manfred Lehner Kreuzbergstr. 6 D-89198 Westerstetten



## LEHNER Innovative Produkte Company:

Small innovative trading company.

The core competence is the market launch and distribution of new products in the field of renewable energies.

Member of Bundesverband Kleinwindanlagen (BVKW).  
Member of Bundesverband Elektromobilität (BEM)



Political commitment for a better acceptance of renewable energies in Germany (Landesfachausschuss für Energie, Umwelt und Klimaschutz).



## Company

Foundation of a company 2008

Entry into renewable energies 2010

The main regions are Germany, Austria and Switzerland.

Further business relations in Senegal and Peru

First contact with Cabo Verde in December 2014

Visit of the business delegation and

Visit of several small wind turbines.



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## Company Awards:

- Environmental award 2014
- Efficient energy house *Manfred Lehner*
- Purchased electricity in the **summer season**
- **92% - 95% self sufficient**



## Product Portfolio

- **Photovoltaic System of all sizes**
  - Micro systems beginning at 8 Wp for remote locations and tourism
  - Mini system with 2 panels to cover base load
  - Standard PV systems Ongrid or Offgrid
- **Charging Infrastructure** with integrated power supply
  - DC and AC charging, single or fleet applications
  - Commercial and private applications
  - With and without payment and accounting structure
  - Various payment systems possible
- **Electric Vehicles**
  - Dealer for e.GO Life, a new German car producer
  - Search and deliver of pre-owned electric vehicles for Cabo Verde
- **Battery Storage Systems**



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## Business contacts Cape Verde

First contact to Cabo Verde in December 2014

Visit of the delegation in my company and a tour to several small wind turbines.

Successful business contacts with the company **GTEK**

Mr Pauly and Mr Schäfer are present here today.

Local customer service and project planning granted by GTEK.

2015 Delivery of the first small wind turbine, mini-PV plant and wind measurement systems to Cape Verde.

2017 The first PV plant with Powerball battery storage followed.

2018 First charging stations for electric cars

2019 first carport with integrated charging stations

2020 first DC charging station for Praia







## Products

### Carport with 2 chargers in Praia







## Products

### AC and DC Chargers



**Cabo Verde**



- On Request with battery storage





## Products

### Mini-Photovoltaic

2 panels balcony mounted



2 panels flat roof







## Products

### Micro-Photovoltaic







## Partners wanted

**Solar power is only advantageous in all areas. No matter you are planner or consumer. Therefore we are looking for partners from all areas.**

- Planners / Architects
- Project planner
- Energy Consultant
- Plant operator
- Local authorities
- Associations
- Municipal or Commercial Chambers



## Targets

- I am delighted to bring my concepts and my products to the table
- Several years of experience in electric mobility and charging infrastructure in Germany and Cabo Verde.
- Cabo Verde has a very high potential for electromobility and charging infrastructure.
- Many sunny days at Cabo Verde make the ☀️ electricity very efficient.





## Goal of the tour

LEHNER Innovative products and **GTEK** are looking forward to meet players who would like to use electricity from renewable energies efficiently in mobility applications.

- Please contact us, we look forward to personal discussions with you
- Manfred Lehner Owner (info@manfred-lehner.de)
- Christian Pauly (GTEK) Local Partner (chris@gtek.cv)
- René Schäfer (GTEK) Local Partner (rene@gtek.cv)



**Many thanks for your attention.**

**Yours ....**

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