



INTECH CLEAN ENERGY

Company Introduction



Christoph Vollmer
Intech GmbH & Co.KG

www.intechcleanenergy.com

Who we are



Intech is your partner for environmentally friendly **energy production** solutions

- ⊙ More than 20 Years Experience with **renewables**
- ⊙ We offer engineering, energy efficiency assessments, feasibility studies
turnkey projects
- ⊙ Our customers are municipalities, industrial clients (energy extensive), and the agriculture

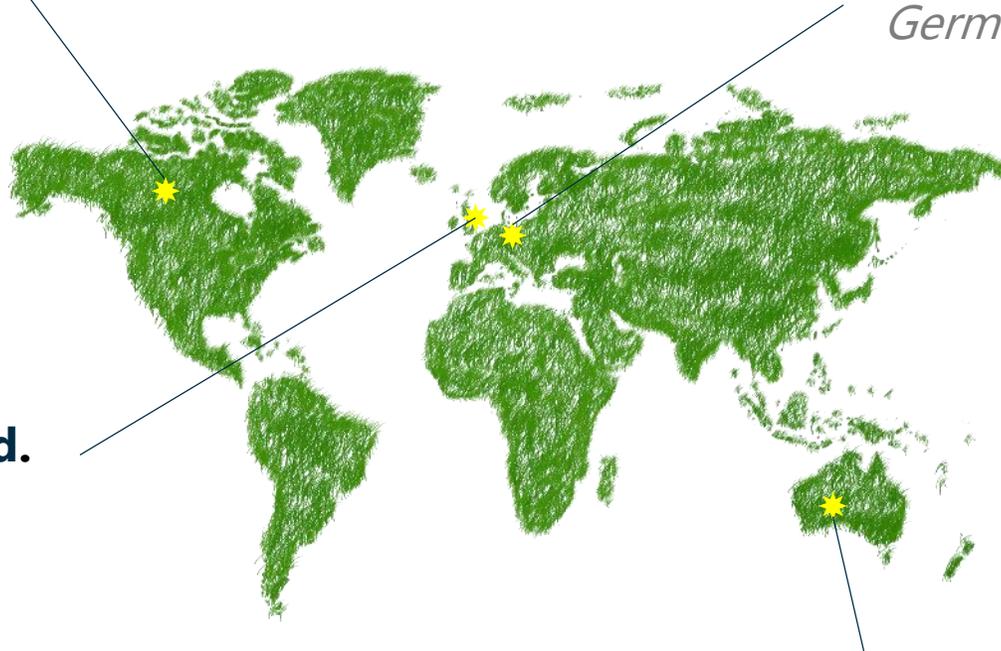
Our mission is to optimize the profitability of your energy projects while preserving the **ecosystem**.

International reach



Intech Clean Energy Inc.
Canada 2009

Intech GmbH & Co. KG
Germany 2000



Intech Clean Energy Ltd.
England 2011

Intech Clean Energy Pty Ltd.
Australia 2014

Our services



STUDIES / CONSULTING

- ⊙ Energy assessment studies
- ⊙ Profitability calculations
- ⊙ Implementation of renewables
- ⊙ Feasibility studies



Engineering

- ⊙ Grid stabilization/Off-grid systems
- ⊙ Building services: heating, ventilation, cooling, electrical
- ⊙ District heating systems
- ⊙ Water purification systems



CONSTRUCTION MANAGEMENT

- ⊙ Building supervision
- ⊙ Building inspection

Our products



SOLAR ENERGY

Roof-Mounted PV
Ground-Mounted PV



OFF-GRID

Off-Grid
Hybrid Systems



Floating PV

Intech floaters



AGRIVOLTAIC

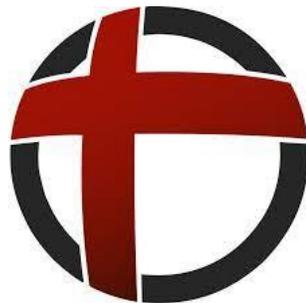
Intech Agri-PV System

Intech's contribution in Cape Verde



- ⊙ Energy Containers
 - ⊙ Water pumping systems
 - ⊙ Water purification systems
 - ⊙ Know-how
 - ⊙ Experience
- ⊙ Quality and Reliability

Project References



Off-Grid



**OFF-GRID
Reverse Osmosis
NGO, India**



**OFF-GRID
Canada**



**ENERGY CONTAINER
Australia**



**ENERGY CONTAINER
France**



**ENERGY CONTAINER
Germany**

All-in-One Solution

Energy Container



PV PANELS

- Ground-mounted
- Roof-mounted
- Solar Trackers



EXTRA FUEL TANK (OPTIONAL)



BACKUP GENERATOR



MONITORING



WATER PURIFICATION (OPTIONAL)



Autonomous energy generator designed by Intech and adapted for any off-grid application

Energy Container

Application: Off-grid

11

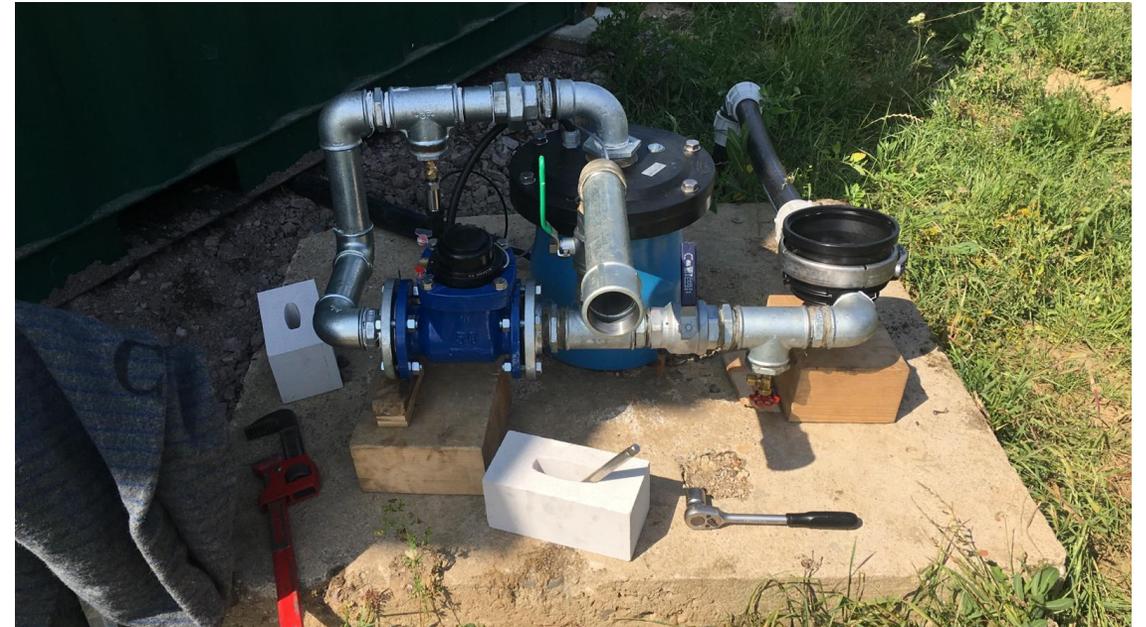


Commissioning: 2022
System capacity: 9,9 kWp
Number of panels: 30
Inverters: 1 solar inverter / 6 Off-grid inverters
Back-up generator: 20 kW
Batterie capacity: 30.8 kWh

Energy Container and Solar Pump

Application: Off-grid

12



Commissioning: 2022
System capacity: 4 kWp
Number of panels: 12
Solar pump: 1,8 kWp

Water purification system

Application: Grid-connected

13

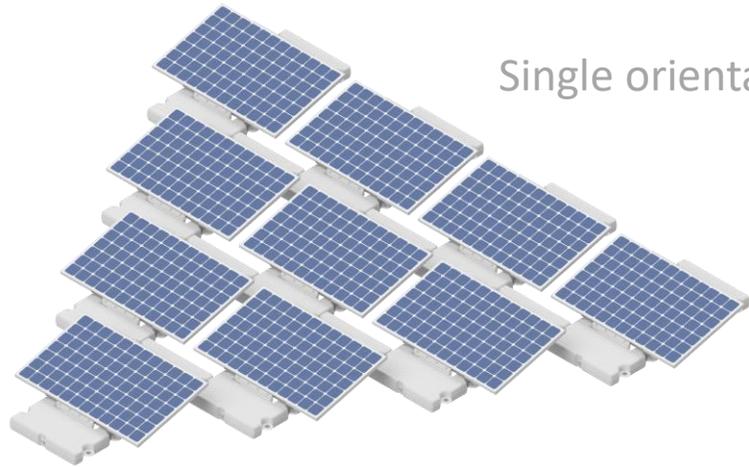


Commissioning: 2013
System capacity: 8,8 kWp
Number of panels: 42
Battery capacity: 55 kWh
Solarpumpe 1,8 kWp

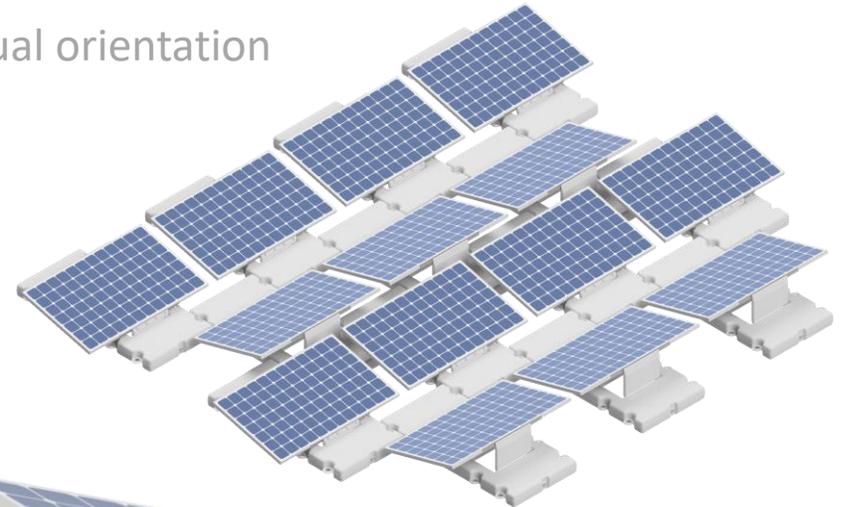
Intech's floater

One floater – all options

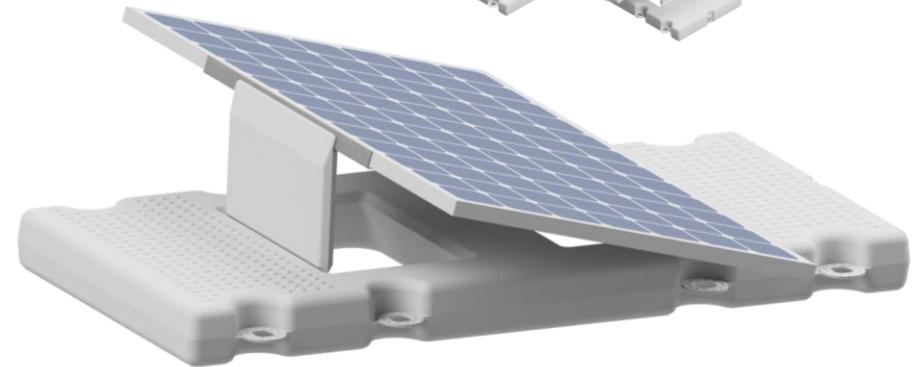
Single orientation



Dual orientation



Front Side



Back Side

Advantages of our Floating solar systems

Easy maintenance via integrated footbridge

Reduced algae growth and water evaporation

Structural design approved to withstand rough conditions

Self cleaning of panels thanks to the 15° inclination



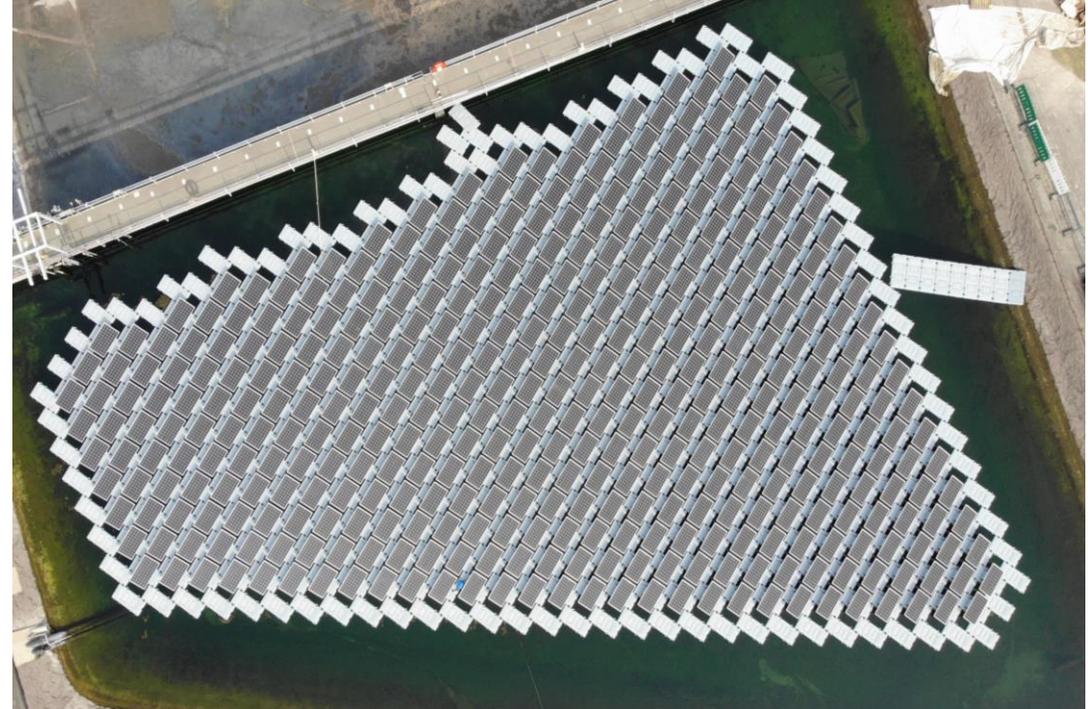
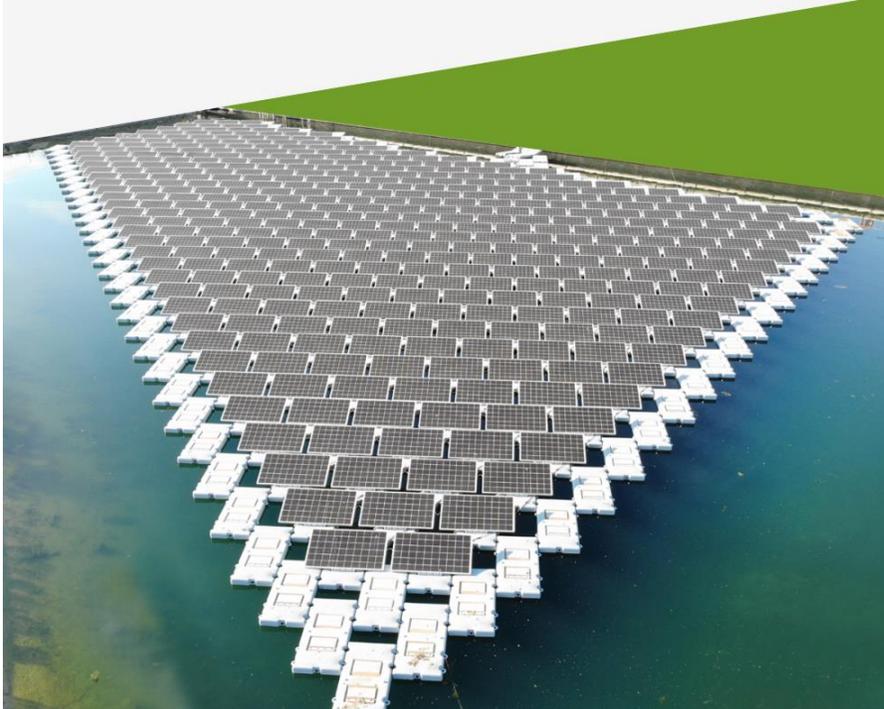
Generates more electricity than conventional systems

Suitable for drinking water reservoirs

1,3 MW/hectar

Project Reference

Installation on a retention pond



Power: 135 kWp
Number of floats: 635 floats
Number of panels: 409
Commissioning: 2021

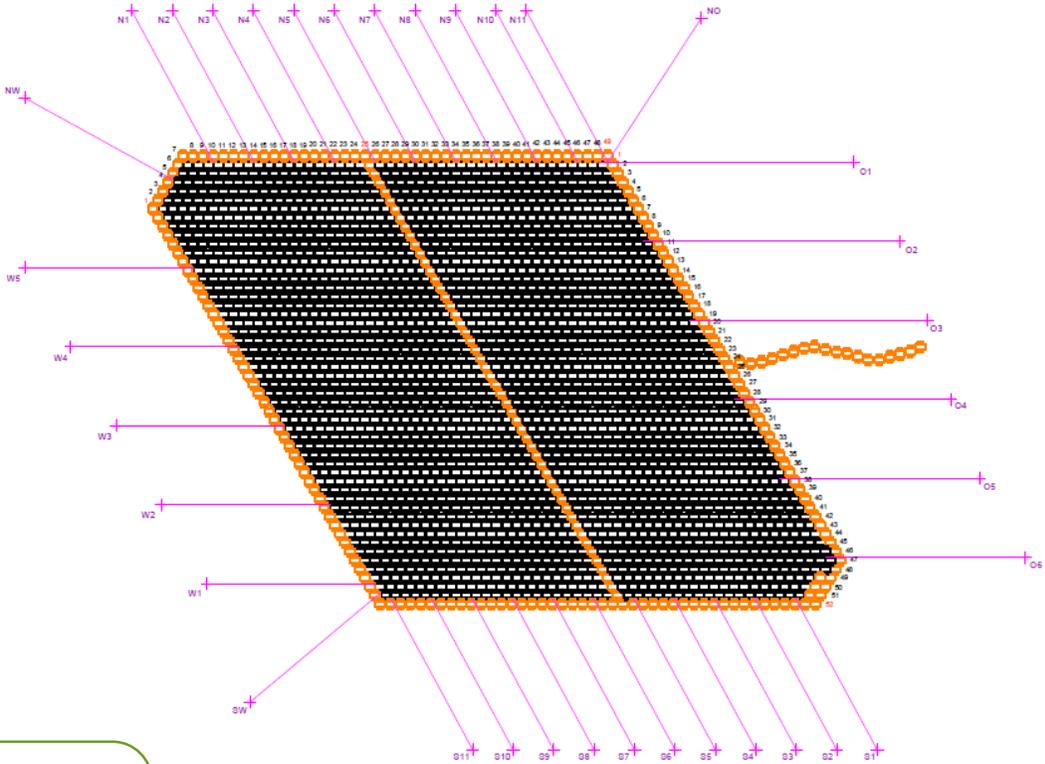
Project Reference

Solar pumping project



Power: 5.3 kWp
Number of floats: 16 floats
Number of panels: 16
Commissioning: 2021

Current project Installation on the Waldsee Germany



Number of floats: 2527
Number of panels: 2272
Planned commissioning: December 2022



INTECH
CLEAN ENERGY

19

**THANK YOU
FOR YOUR ATTENTION**



Intech GmbH & Co.KG

Robert-Koch-Str. 35
77694 Kehl-Auenheim

T: +49 7851 99409 0

E: sales@intechcleanenergy.com

www.intechcleanenergy.com