

HID

enerstore

Company Presentation



HID Europe GmbH&Co.KG – 47829 Krefeld – Germany – WWW.HID-EUROPE.DE

Our Solutions

01

Backup Power
ON-GRID

- Single Phase
3-15kW
10 – 50kWh*
- Three Phase
10 – 90kW
25 – 250kWh*

02

Hybrid Power
OFF-GRID

- Plug & Play
10-100kW
50 – 250kWh*
- Custom Design
0,1 – 5,0MW
0,7 – 35MWh*

03

Energy Storage
ON-GRID

- Plug & Play
10-100kW
50 – 250kWh*
- Custom Design
0,1 – 5,0MW
0,7 – 35MWh*

* Net energy discharge capacity for 8 hours

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Partnership with Hitachi Chemical

Hitachi Chemical

Working On Wonders

Our company has more than 25 years of history working with Hitachi Chemical in the field of energy storage devices. Based on this long history we know and appreciate that products manufactured by Hitachi Chemical are of outstanding quality and reliability.

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Lead Acid Batteries

Plate Type

- DoD = 20%
- Cycles = 500 @ 25° C
- 0,30 – 0,50 US / kWh
- Service Life: 2-4 years

Bad Choice

OPzV

- DoD = 50%
- Cycles = 2.500 @ 25° C
- 0,20 – 0,25 US / kWh
- Service Life: 7-10 years

OK

HITACHI AVRLA

- DoD = 70%
- Cycles = 4.500 @ 25° C
- 0,15 – 0,18 US / kWh
- Service Life: 12-17 years

Best Choice

The Hitachi LL1500AS8 offers the longest life and lowest overall cost among all available lead acid batteries!!

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Hitachi Chemical LL1500AS8

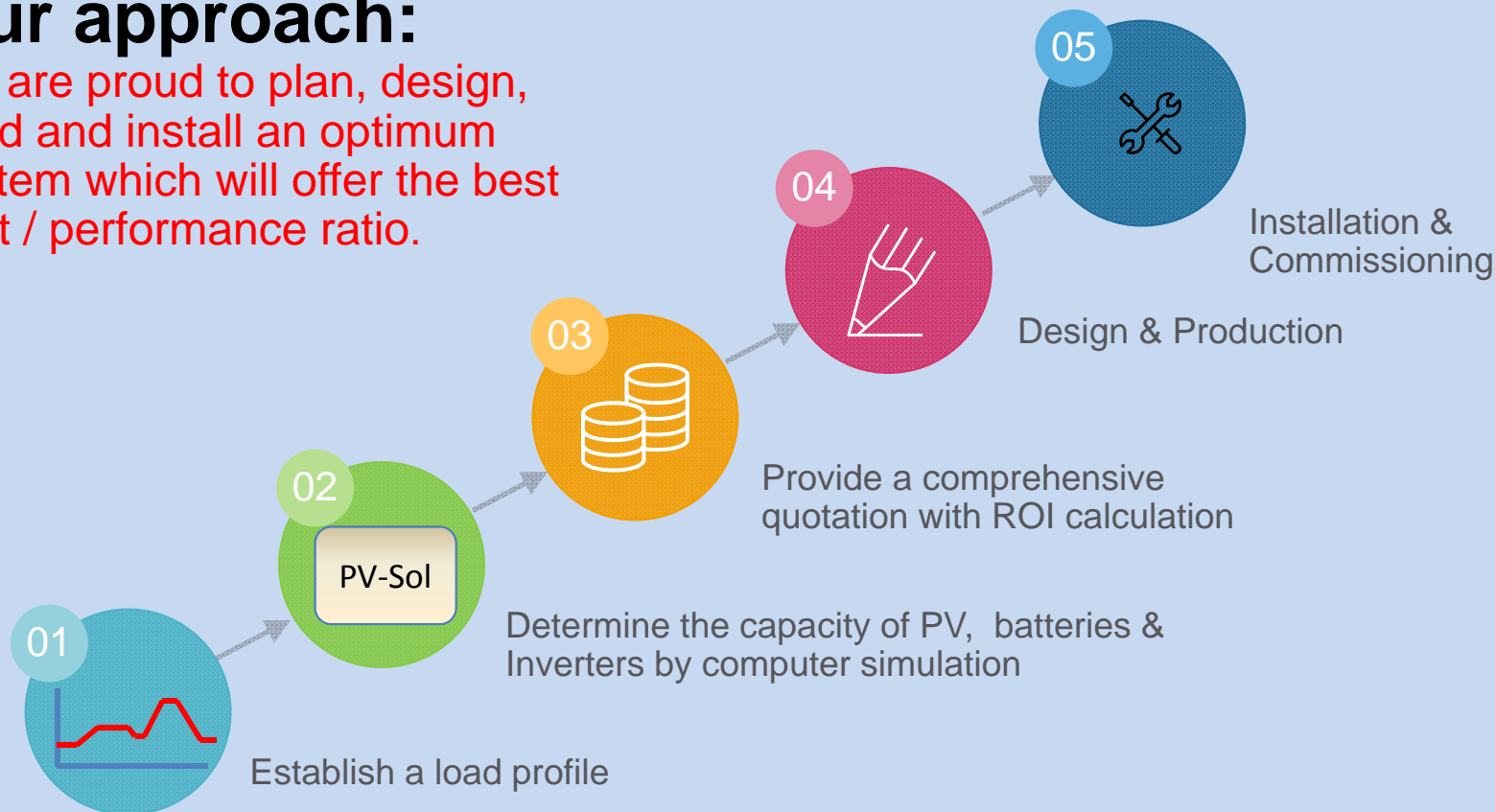


Example 50kWh net / 48VDC

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Our approach:

We are proud to plan, design, build and install an optimum system which will offer the best cost / performance ratio.



5 steps to a working solution

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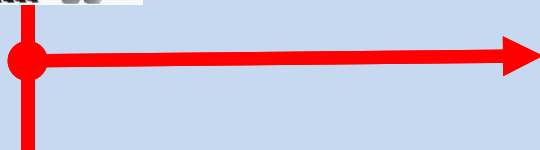
Schéma du Principe



PV



Chargeur



Onduleur



Electrogene

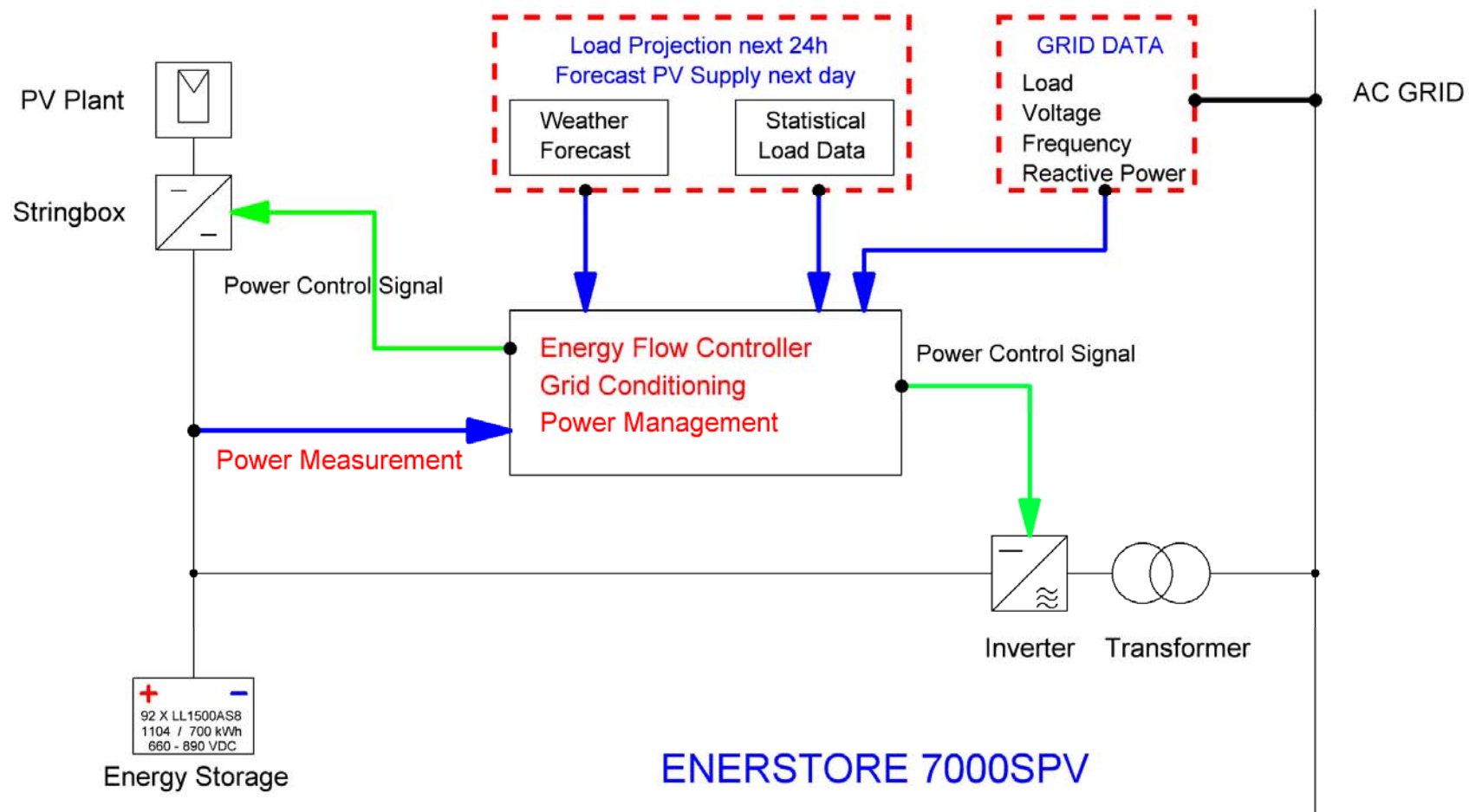


Consommateurs

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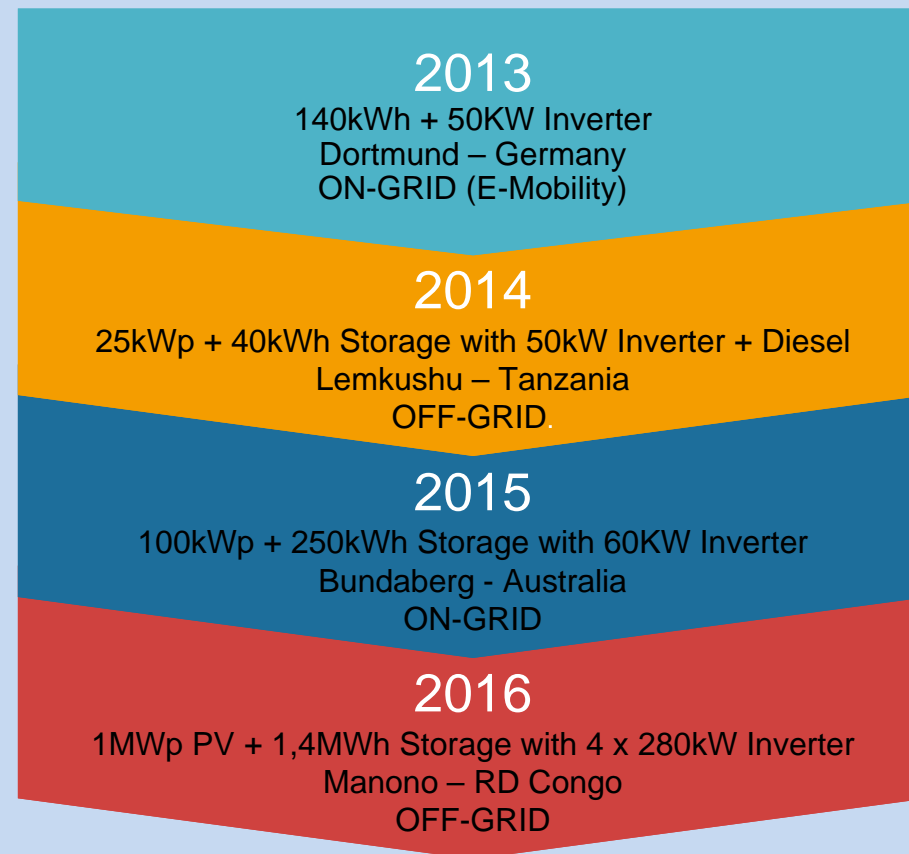
Hybrid Power OFF-GRID Custom Design



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Our major projects



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Hybrid Power OFF-GRID
Plug & Play Solution
3 x 3KVA / 25kWh storage



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**370kWh net
installed in
a 20Ft container**

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HYBRID POWER SOLUTIONS

Corporate Structure

HID Europe – Krefeld Germany

System Division:

- Complete energy systems
- Design
- Engineering
- Production

AIC Europe – Krefeld Germany

Component Division:

- Batteries
- Inverters
- Chargers
- etc.

Total Sales 2016: > 22 MUSD

Employees: 22

Electric Engineers: 9

Headquarter: Krefeld – Germany

Affiliates: HID – Australia / E.H. Solaire – RD Congo

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HYBRID POWER SOLUTIONS

Our Customer Base



SIEMENS

Vestas



e-on

RWE



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**HITACHI
LL Batteries
with
13 – 17 years
Lifetime**



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HID EUROPE GmbH&Co.KG

we appreciate your interest and look forward
to be serving your needs

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