



home
power
solutions

THE ENERGY SUPPLY OF THE FUTURE BEGINS TODAY



QUICK FACTS ABOUT HOME POWER SOLUTIONS



Founded

2014



HQ

Berlin



Employees

>100



Zeyad Abul-Ella

Co-Founder & CEO



Dr. Henrik Colell

Co-Founder & CTO



Jewgeni Elster

CFO

A photograph of a street in a European town, likely in Germany, after a flood. The street is covered in muddy water and debris, including wooden planks, metal sheets, and household items. A person is standing in the middle of the street, surrounded by the debris. The background shows multi-story buildings with colorful facades and flower boxes. The text "CLIMATE CHANGE TOPS THE LIST OF VITAL CHALLENGES OF OUR TIME" is overlaid in white, bold, sans-serif font.

**CLIMATE CHANGE TOPS THE LIST OF VITAL
CHALLENGES OF OUR TIME**

**HPS GIVES EVERY HOME A CHANCE TO DO
ITS PART**



OUR BOARD MEMBERS AND INVESTORS – EXPERIENCED & CONNECTED INDUSTRY EXPERTS

Advisory Board:



HANS-PETER VILLIS
CHAIRMAN



DR. PAUL GRUNOW
DEPUTY CHAIRMAN



AYAD ABUL-ELLA
MEMBER OF THE BOARD



JÜRGEN KÄLBER
MEMBER OF THE BOARD



KLAUS MARTINI
MEMBER OF THE BOARD

EnBW

e-on



SOLON

Q CELLS

BERLIN
PI

Infineon

Qimonda

AMD

straumann

Deutsche Bank

Latest Investor:



EIT INNOENERGY
SHAREHOLDER



PICEA™ – THE WORLD’S FIRST STORAGE SYSTEM FOR YEAR-ROUND RESIDENTIAL ENERGY SUPPLY



>1000 kWh of storage capacity

100% independence

100% renewable

100% transparency



PICEA™ – BRINGING ALL COMPONENTS IN ONE READY-TO-USE SOLUTION

- ✓ Fuel Cell
- ✓ Electrolyser
- ✓ Batteries
- ✓ Hydrogen storage
- ✓ Ventilation system
- ✓ Enthalpy heat exchanger
- ✓ Smart control software
- ✓ Power electronics



1 SOLUTION

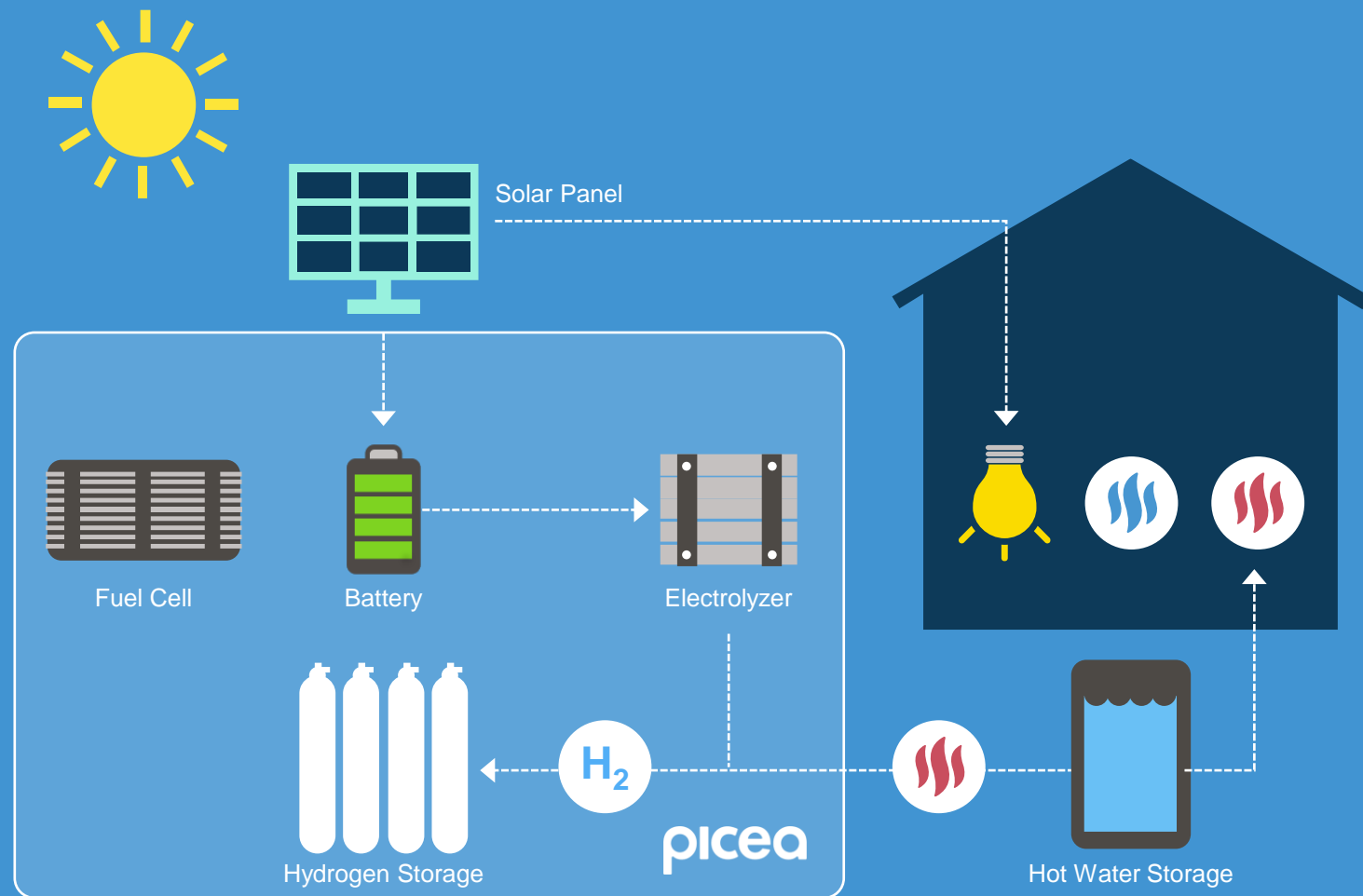
1 SUPPLIER

1 WARRANTY

1 SERVICE

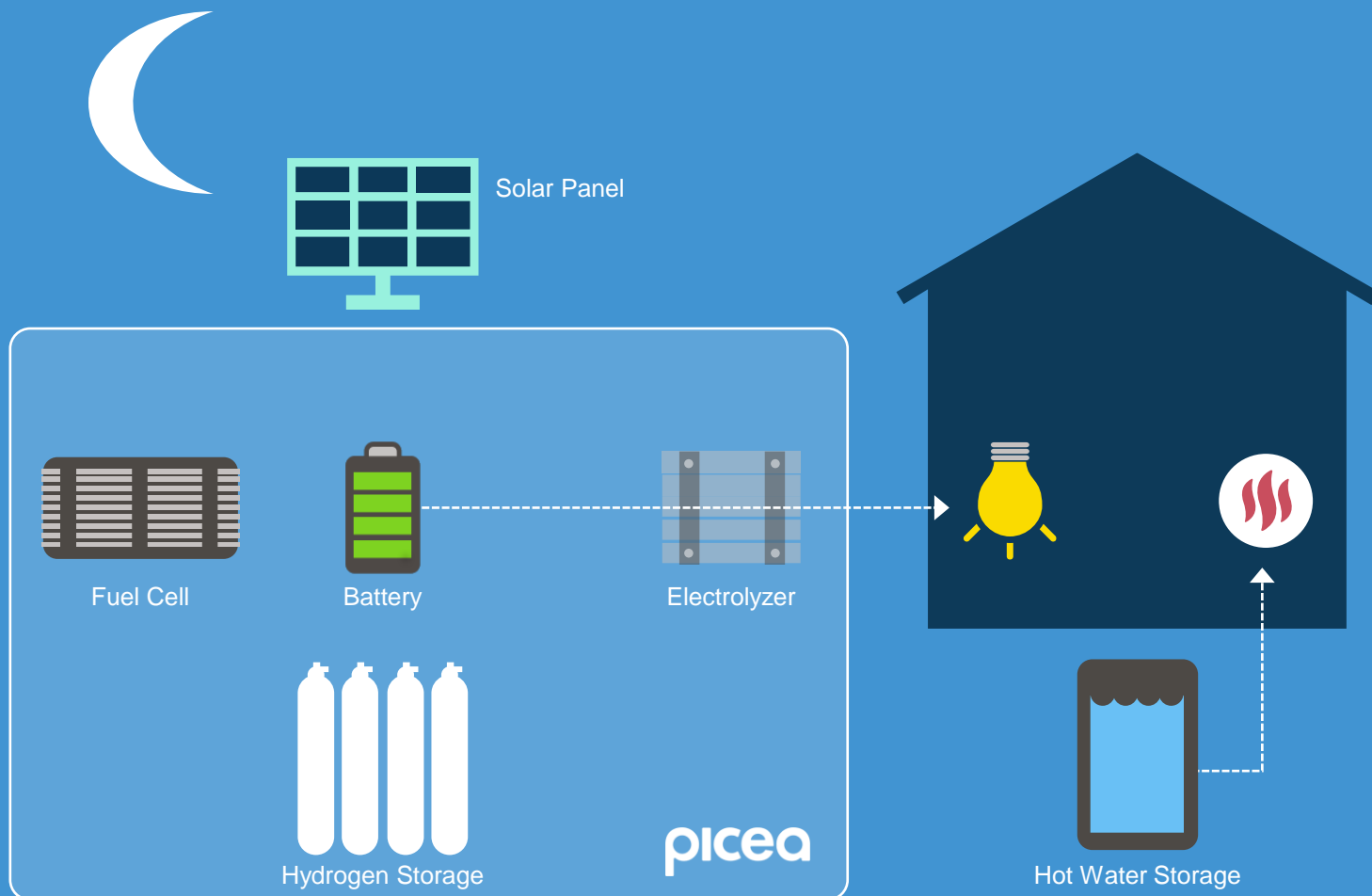


PICEA™ ON SUNNY SUMMER DAYS...



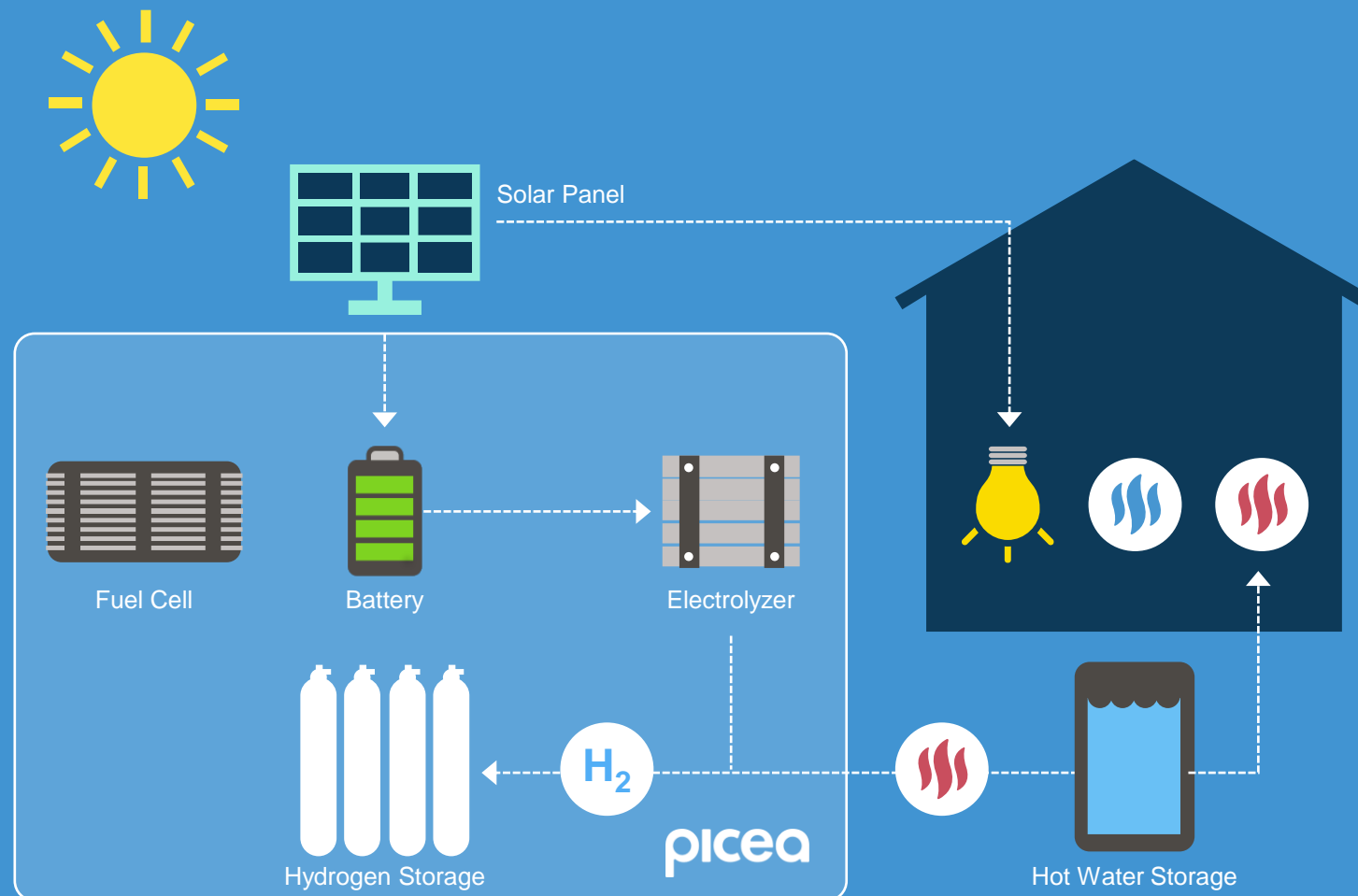


PICEA™ AFTER SUNSET IN SUMMER...



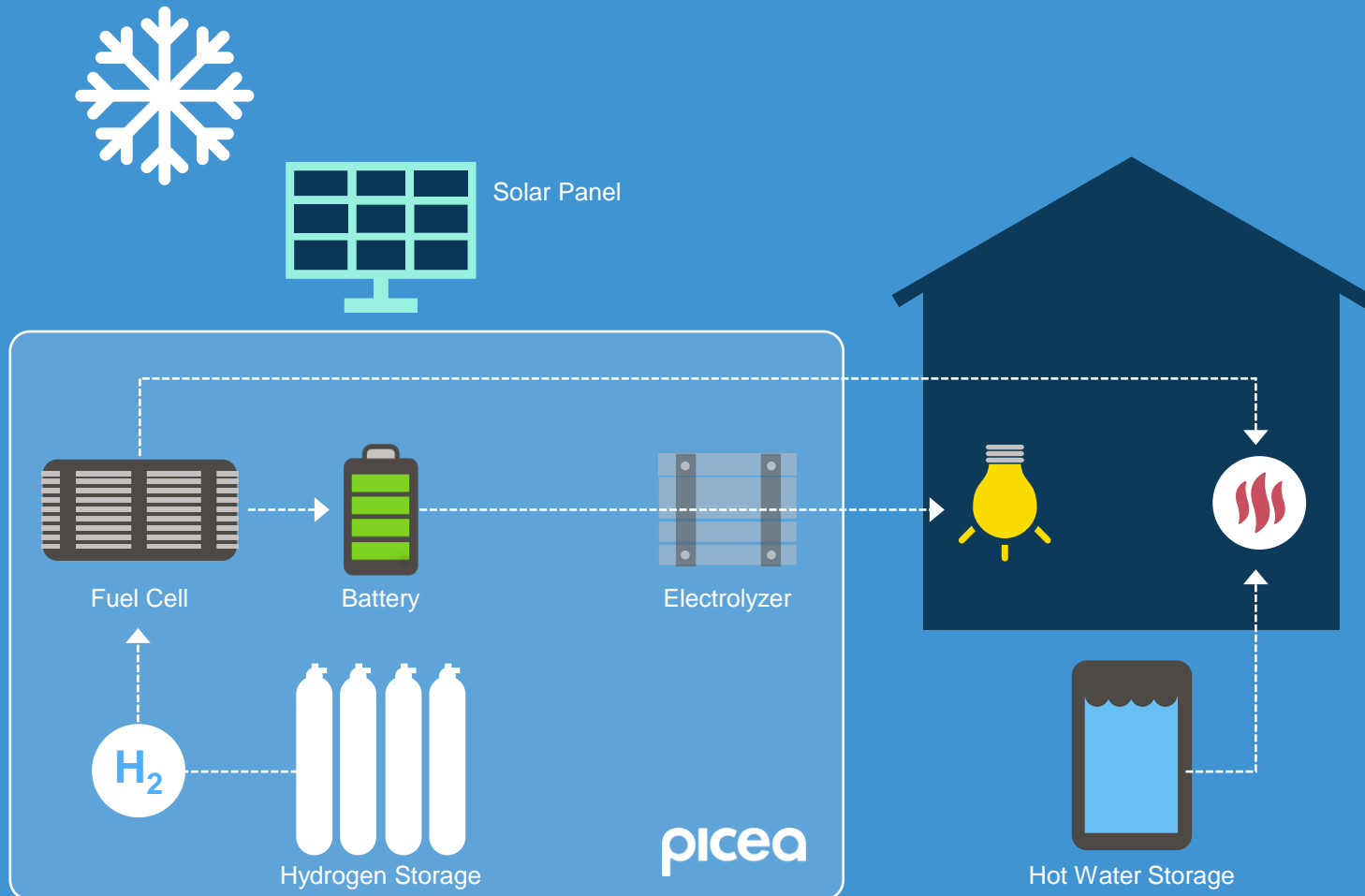


PICEA™ ON SUNNY SUMMER DAYS...





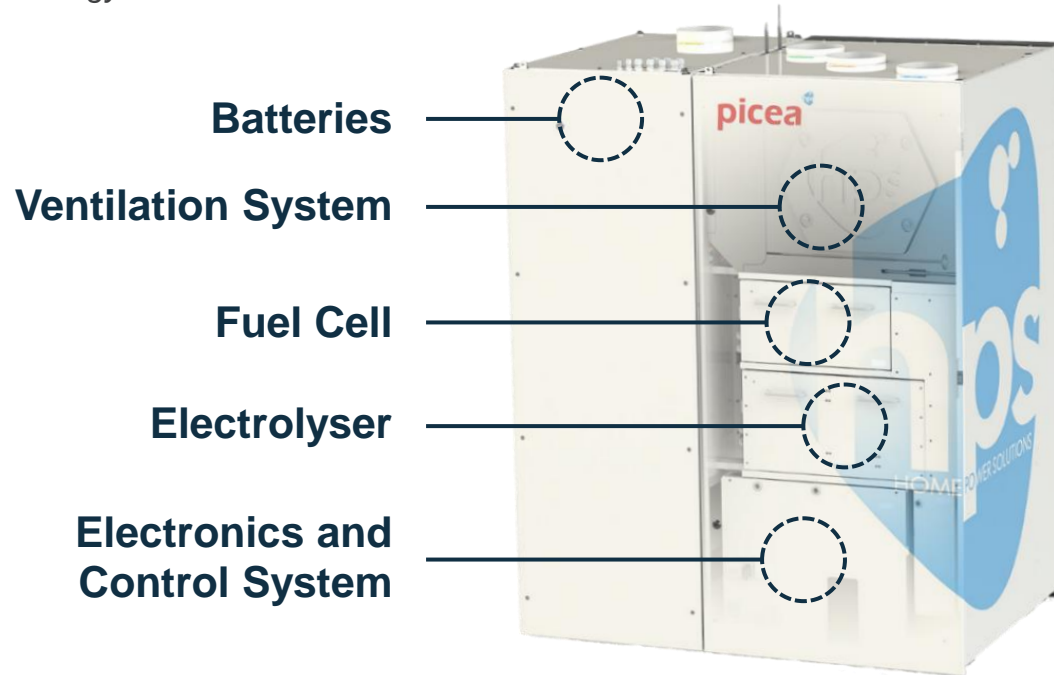
PICEA™ IN WINTER





SEAMLESS INTEGRATION INTO A COMPACT, ROBUST AND EFFICIENT SYSTEM

Energy Center:



Hydrogen Storage Unit:

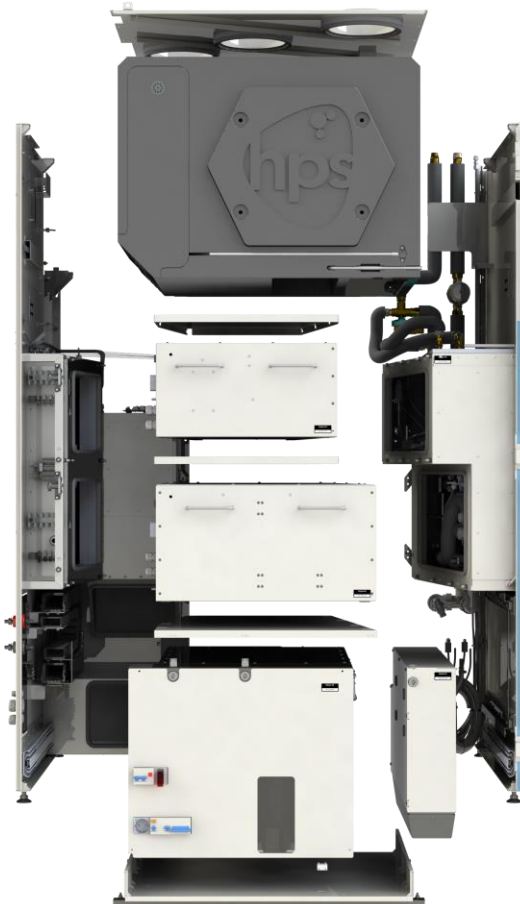


Integrated management of energy across components in a holistic system design.

Heat is captured and re-used, resulting in overall efficiency up to 90%!



MODULAR PRODUCT DESIGNED FROM THE GROUND-UP TO DELIVER AT SCALE



**SUITABLE FOR
MASS
PRODUCTION**



**MODULAR WITH
STANDARD
INTERFACES**



**EASE OF
INSTALLATION**



**EASE OF
MAINTENANCE**



A SUITE OF PROPRIETARY SOFTWARE TO COMPLEMENT HIGH PERFORMANCE HARDWARE





STRONG COMPETITIVE EDGE

PROTECTION STRATEGY TO DEFEND AND EXTEND
THE TIME-TO-MARKET ADVANTAGE OF 3 YEARS



13 patents



Patents for
proprietary energy
system technology



Exclusive partnerships
for "non-commodity"
key components

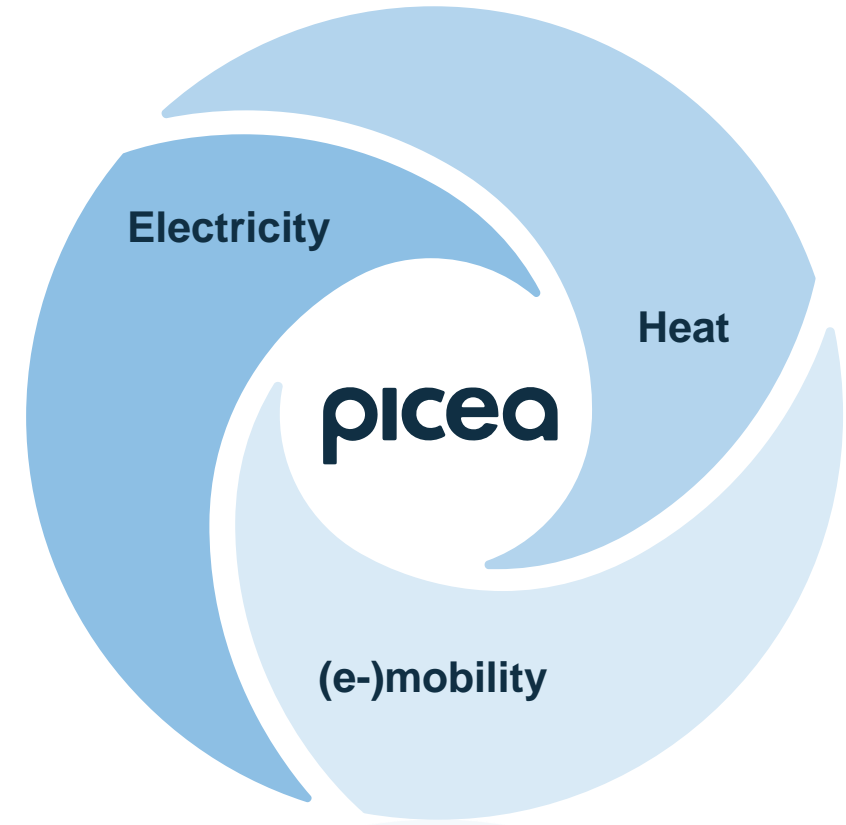


"Vault" for proprietary
energy management
(source code)





**AN ENERGY SOLUTION FOR ALL
SPHERES OF LIFE**
WHEN INTEGRATED ENERGY MEETS LIFESTYLE



Today, for the very first time, HPS enables year-round independence in home power supply for the end customer.

In the future, HPS will completely cover heat, mobility and electricity – in a one-stop solution from an all-in-one unit.



HPS ROADMAP – ROLL OUT NEW GENERATIONS OF PICEA AND DEVELOP NEW PRODUCTS AND USE CASES

picea™ Continuous Improvement



New Product & Use Cases



Multi Family Houses



Business Applications



Areal Networks



1 picea device...

... prevents > **3** tonnes CO₂ / year

→ Equivalent to the amount of
CO₂ - absorbed by

130 trees

**Our mission:
Millions of picea™**



PICEA™ IS ALREADY UP AND RUNNING IN THE HOMES OF HAPPY CUSTOMERS





PICEA™ IS ALREADY UP AND RUNNING IN THE HOMES OF HAPPY CUSTOMERS





PICEA™ IS ALREADY UP AND RUNNING IN THE HOMES OF HAPPY CUSTOMERS





PICEA+ SOLUTIONS FOR LARGER APPLICATIONS





PICEA+ SOLUTIONS FOR LARGER APPLICATIONS





WORLD CLASS MANUFACTURING PARTNERSHIP FOR THE SCALE-UP PHASE

Zollner

- Family-owned German company
- 50+ years of experience
- €1.8bn revenue

Selected customers:



Scalable partner with a strong reputation for product quality (manufacturing capacity for picea™ of 6,000 units p.a. and scalable)



THANK YOU!

