



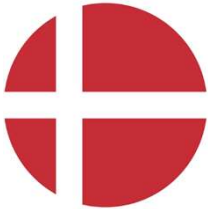
COMPANY AND PRODUCT PRESENTATION

POLAND

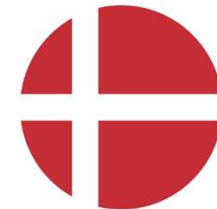
INTRODUCTION



Hans Peter
Andersen
COO



Jens Seehusen
Christensen
CEO



Our knowledge about electrification concerning E-boilers and grid control/balancing is unparalleled

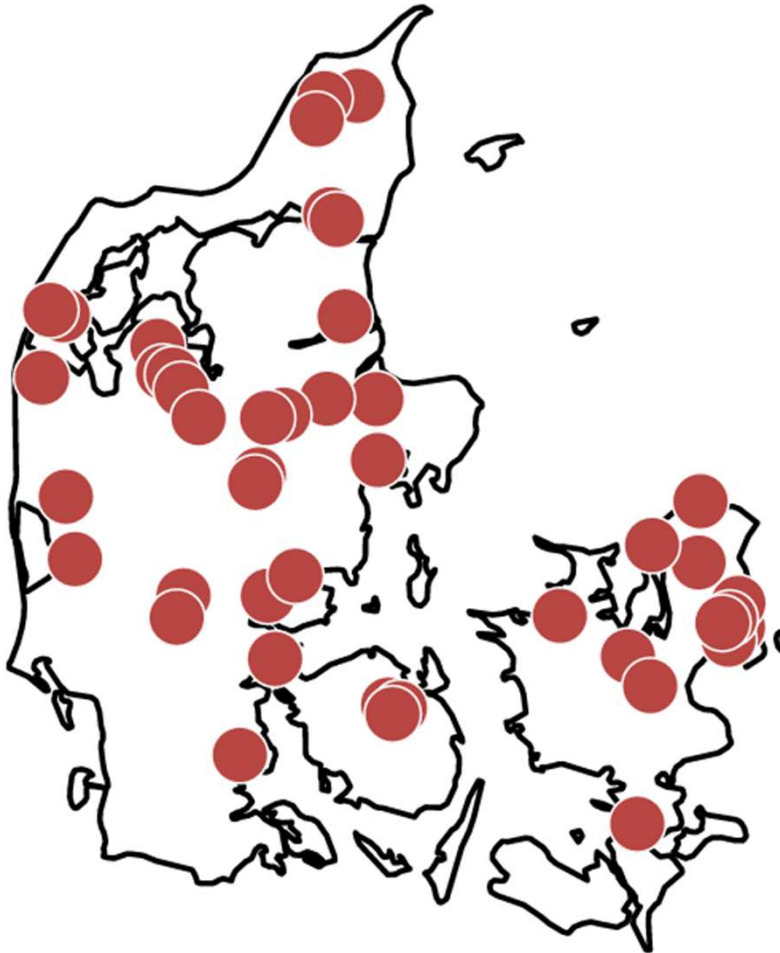
WE DO ELECTRODE BOILERS 6-20 KV 5-60 MW



- Hot water E-boiler
- Steam E-boiler



WE DO ELECTRODE BOILERS 6-20 KV 5-60 MW



+ 400

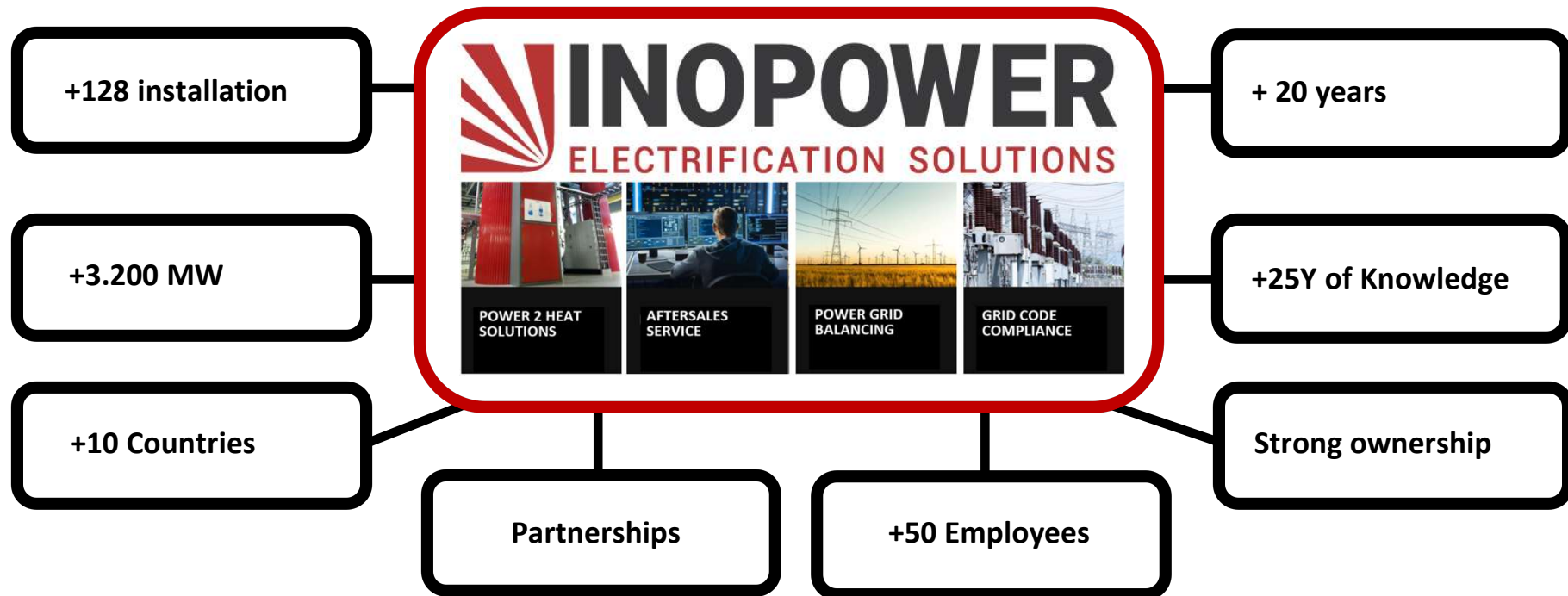
**District heating
suppliers in
Denmark**

+ 100

E-boilers

OUR EXPERIENCE WITH E-BOILERS

WE DEVELOP OUR OWN ELECTRIC BOILER AND CONTROL SYSTEM



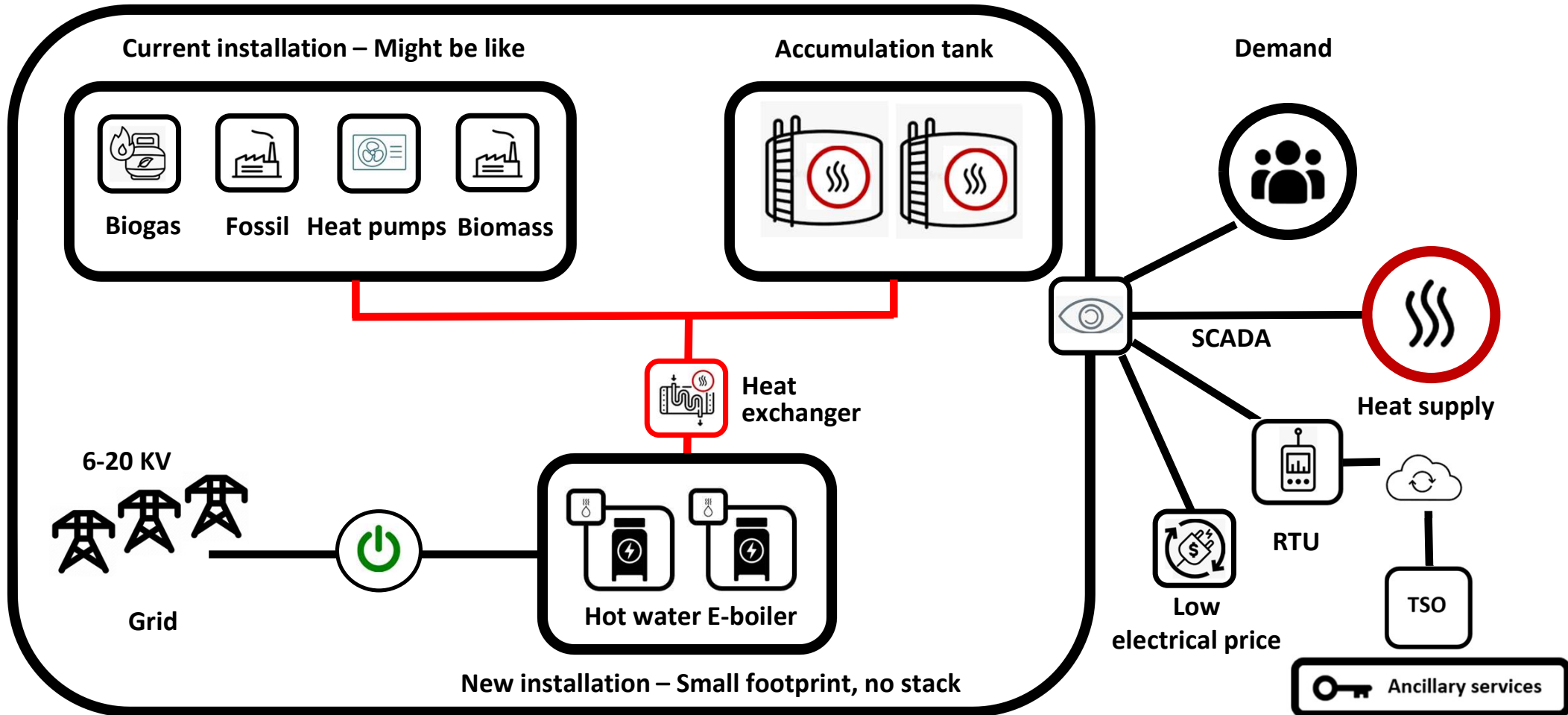
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WHERE ARE E-BOILERS USED

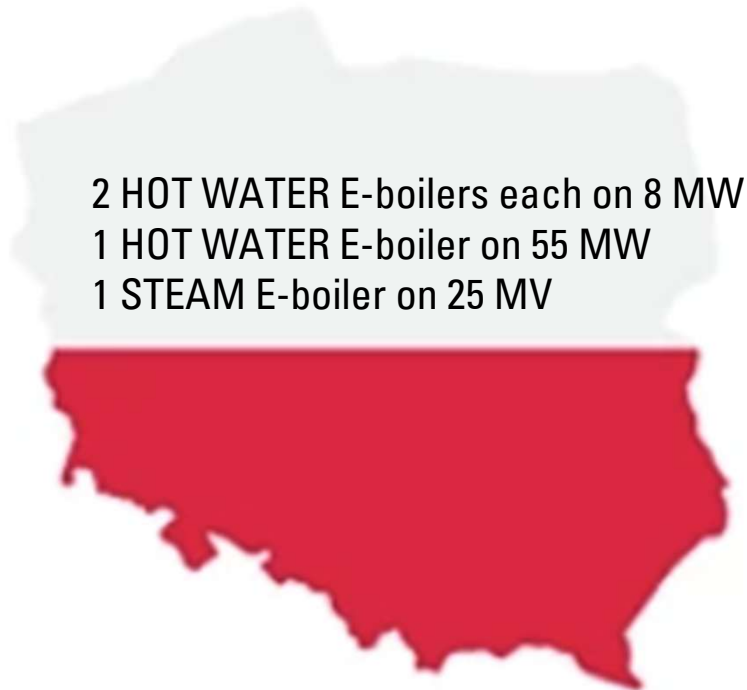


- **Electrification**
- **Decarbonization**
- **Security of heatsupply**
- **Low price of heat**
- **Ancillary Service**
- **Strong business case**

CUSTOMER INSTALLATION (DISTRICT HEATING)



POLAND – CURRENT PROJECTS



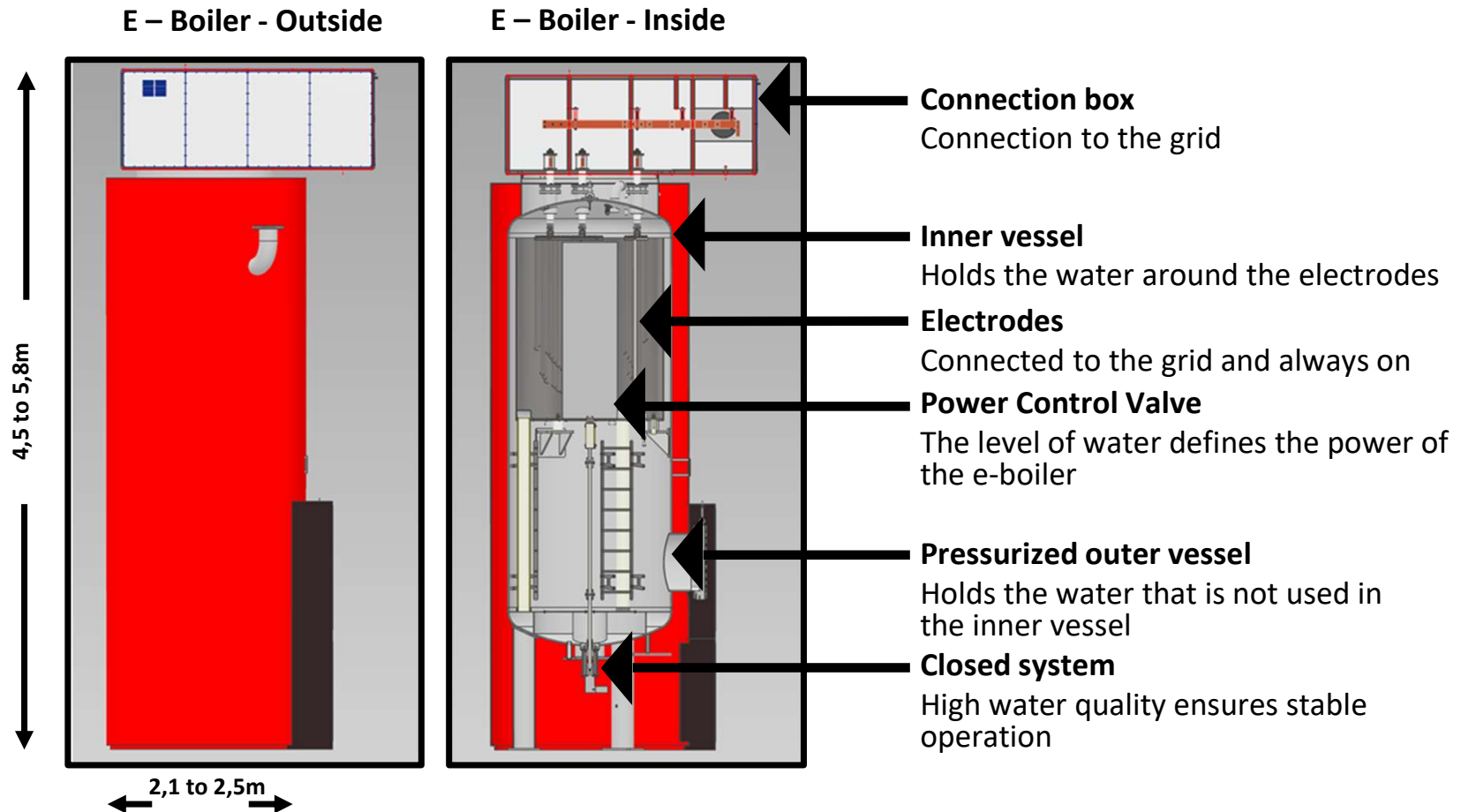
Key Selling Points

- Boiler body produced in Poland (Danstoker)
- Income when active in ancillary service
- Support your production strategy;
Change from coal to renewable energy
- Small footprint
- Low investment costs
- Low maintenance costs
- Simplified heat production
- Increases security of supply
- Immediate reduction of CO₂ emissions
- Choose the leading supplier in Europe
- Easy integration with existing systems
- Delivering time: 4-8 months
- After Sales Service including a service contract

Products developed and supported by Inopower

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HOT WATER BOILER - BASIC FUNCTIONALITY



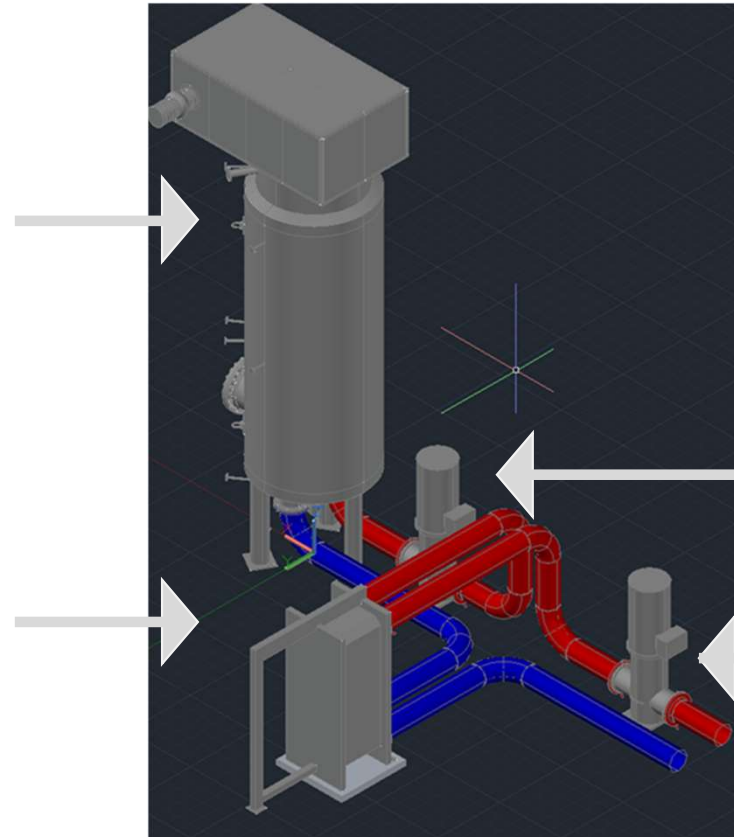
HOT WATER - BASIC INSTALLATION

E-Boilers

The e-boiler is heating the water in a closed circulation system

Heat exchanger

Is using the hot water from the e-boiler to create hot water to the consumer side installation



Technical specifications

Capacity 5 – 60 MW

Voltage 6 – 20 kV

District Heating
Up to 140°C (standard)

Boiler Pump

Moving hot water from the e-boiler to the heat exchanger

Secondary Pump

Moving hot water from the heat exchanger to the consumer side

HOT WATER - CASE – E- BOILER



Nordjyllandsværket

- Supplying district heating for Aalborg City.
- 140.000 Inhabitants.

Installation 2017

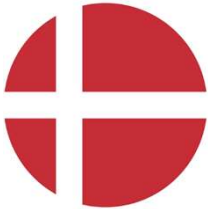
- E-boiler installed capacity 35 MW

Installation 2025

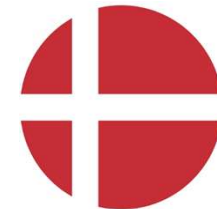
- E-boiler installed capacity 3 X 50 MW

QUESTIONS ?

Hans Peter
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COO



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CEO



Thank you

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HOT WATER - BASIC INTALLATION

Arrival



Initial installation



Complete installation

