



The End of Fossil-Fired Industrial Steam

Industry still runs on steam.



We replace fossil-fired steam boilers
with electric steam from high-temperature heat pump.

~81%
of industrial energy demand is heat(*)

*Strengthening Industrial Heat Pump Innovation Decarbonizing Industrial Heat[IEA, 2019]

Heat is the backbone of industry

If gas stops, heat stops, factories stop.

LOW TEMP.

MID TEMP.

HIGH TEMP.

100–150°C

The Missing Zone of Industrial Heat

Conventional Heat Pumps

- Electrified
- Scaled

0°C

100°C

150°C

1000°C

Industrial Steam

SUSTEAM

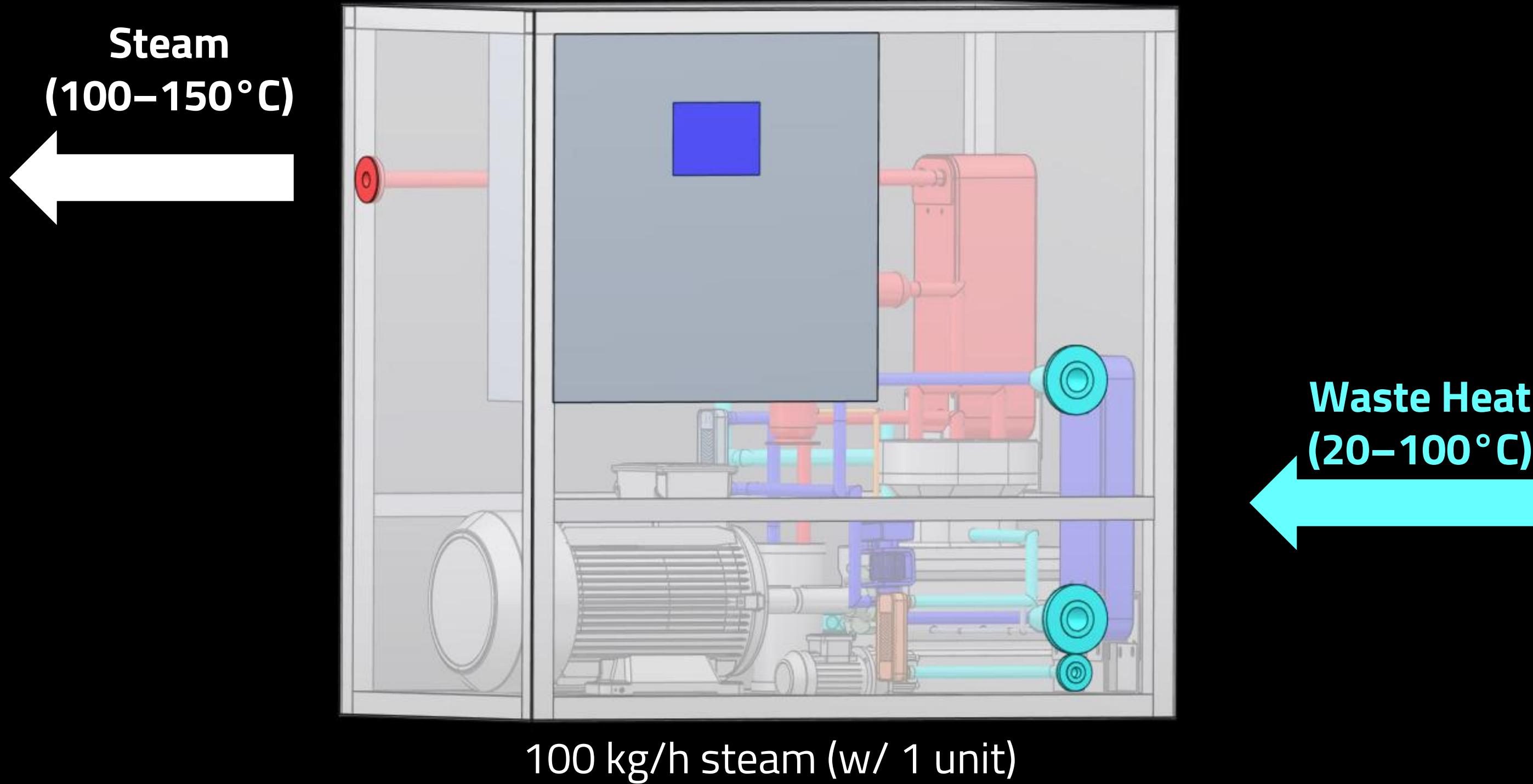
No scalable electrification

Hydrogen / CCUS /
Electric Furnaces

- Capital intensive
- Long term transition

Susteam pushed the technological frontier of conventional heat pumps.

How We Electrify Industrial Steam ?



Upgrading low-value heat into steam

**Sector focus to
first deployments**

Food

Beverages

Paper &
Pulp

Chemicals

Textile

Ceramic

- Technical discussions with Tier-1 manufacturers
(Ceramics & Beverage)
- Pilot definition ongoing (EU framework)
- First deployments targeted in steam-intensive SMEs

Up to %50 Lower Steam
Cost

Up to %90 Lower
CO₂

SUSTEAM



FOUNDER

Aykut Yıldırım
Mechanical Engineer/CEO



Ferhat Akpınar
Mechanical Engineer/ Structural
Design &Analysis



Ulaş Cem Erten
Computer Scientist / Software
Development



Caner Yıldırım
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Let's Talk

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