



>> POWERING A GREEN INDUSTRY ELECTRIFICATION: THE KEY TO A COMPETITIVE, NET-ZERO FUTURE

Online Webinar via MS Teams



November 25, 2025



10:00am-12:00pm CET



8:00pm-10:00pm AEDT

NIM INDUSTRY INSIGHTS WEBINAR SERIES



GREEN POWERED FUTURE
MISSION



NET-ZERO INDUSTRIES
MISSION

Net-Zero Industries Mission (NIM)

The challenge

- Energy-intensive industries (steel, cement, chemicals, and users of high temperature heat) are responsible for around **25 % of GHG emissions worldwide**
- Energy-intensive industry is **the most expensive sector to decarbonize**
- Some low carbon **technologies are not yet available at commercial scale**

Mission Goals



- ✓ Support the global implementation of at least **50 large-scale demonstration projects** by 2030.



- ✓ Fast-track the development of **breakthrough low-emission technologies to TRL 8.**



- ✓ **Reduce capital expenditure** on low-emission innovative technologies **by over 15%.**

Agenda



Welcome

by the Net-Zero Industries Mission and the Green Powered Future Mission

Keynote IETS TCP Electrification in Industry

Jonathan Moncada Botero, Researcher, TNO, IETS TCP Electrification in Industry

AHEAD Advanced heat pump demonstrator – How to produce high pressure steam with heat pumps?

Veronika Wilk, Senior Research Engineer, AIT Austrian Institute of Technology; Doris Hofbauer, Project Manager, Takeda Manufacturing Austria AG

Flexible electrification of high temperature industrial heating to support lower cost production and more stable energy grids

Daniel Rennie, CEO, Leilac

Live Q&A (20min)

Use the chat function to send in your questions throughout the webinar

Agenda



Industry in the Age of Electricity: Maximising the benefits of heat electrification

Emma Mooney, Lead Industry Analyst, International Energy Agency (IEA)

Industrial waste heat recovery: potential and economic feasibility for district heating in Italy

Ada Barbara Del Corno, Senior Researcher, RSE S.p.A.

Industrial Decarbonization with the Sand Battery

Juha Niemi, Sales Manager, Polar Night Energy Oy

Live Q&A (20min)

Use the chat function to send in your questions throughout the webinar

Wrap up

Upcoming webinars
