

CELSIUS Talk: Integration of heat, power and intermittent renewables

Welcome to one of the CELSIUS webinars!

With the evolution of electricity/power sources and district energy systems (district heating and cooling networks) it is becoming easier, even necessary, to increase the interaction between the two. Making the most of these synergies is one of the areas where district energy systems have a lot to offer. But with integration comes the need for appropriate business models and as well as technical solutions. From both industry and academia, the experts in this webinar explore market and technical implications of energy system integration involving heat pumps, thermal storage, thermal grids and renewable electricity sources.


The recording

https://www.youtube.com/watch?v=GWUbQjG-Bho&feature=emb_logo

The presentations


A systemic view of power and District Energy systems

Jens Kühne, Consultant for heat generation and CHP at AGFW

Presentation  / [Short cut to the video recording](#)


The future of large-scale electric heat pumps in dh systems

Andrei David, Research Assistant at Aalborg University

Presentation  / [Short cut to the video recording](#)

Cost-effectiveness of large-scale heat pumps in district heating networks: a simulation model for a case study in Germany

Eftim Popovski, Research Associate at Fraunhofer ISI

Presentation  / [Short cut to the video recording](#)

Interaction between energy systems – the future role of thermal grids


Jay Hennessy, Ph.D. student / researcher at RISE

Presentation  / [Short cut to the video recording](#)

Thermal energy storage – enables sustainable regions and cities

Håkan EG Andersson, Senior Advisor at Skanska Sverige AB

Magnus Carlström, Business Development Manager at Skanska Sverige AB

Presentation  / [Short cut to the video recording](#)