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**WESTERN
DEVELOPMENT
COMMISSION**

Agenda - District Heat in the West

15:00: Yvonne Comer - Welcome

15:05: Pauline O'Reilly - Irish District Energy and the West

15:35: Dr David Connolly - Developing District Heating in Galway

16:05: Panel Discussion - Pauline & David

16:30: Networking

17:00: Close



Irish District Energy and the West



Pauline O'Reilly
CEO
Irish District Energy
Association

Developing District Heating in Galway



Dr David Connolly
CEO
Heatgrid Ireland



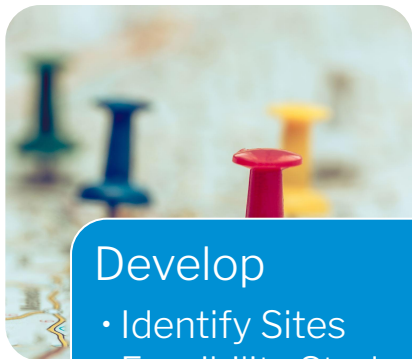
Developing District Heating in Galway

Heatgrid.
Ireland

Dr. David Connolly, CEO

Energy West
28th January 2026

heatgrid. Ireland



Develop

- Identify Sites
- Feasibility Study
- Secure Planning & Licences
- Contracts



Fund & Construct

- Energy Centre
- Energy Network
- Building Connections



Operate & Grow

- Billing
- Operation
- Monitoring & maintenance
- Expansion

Who Are We?

We Are Combining Irish & EU District Heating Experience to Rapidly Deliver Projects in Ireland

Dr. David Connolly

- Extensive Experience with District Heating in both Ireland and Denmark



Asper Investment Management

- District Heating projects constructed in Sweden, Netherlands and the UK



Asper: We grow sustainable infrastructure businesses

Extensive experience in building “champion” companies in heat networks and renewable energy infrastructure in Europe

IRISH ONSHORE WIND



- Leading Irish integrated wind power generation business.
- >800MW built c. 18% of total Irish wind capacity, building >100MW per year
- Invested 2011, growth and investment continues

SWEDISH DISTRICT HEATING



- Portfolio of district heat networks, five operating and one new-build in a growing suburb of Stockholm. Combined heat sales of 176GWh
- Invested 2014, sold 2020

DUTCH DISTRICT HEATING



- Largest sustainable district heat business in Netherlands. Today one operational heat network and three in construction, combined heat sales expected >800GWh. Networks under development in 10 further towns and cities
- Invested 2020

UK DISTRICT HEATING



- Three new sustainable district heat networks preparing for construction with combined expected heat sales of ~200 GWh. 3 more networks currently in development.
- Invested 2022

Green Heat Networks Fund in England is Proving How to Deliver Greenfield District Heating Quickly



>50 Projects in Four Years



>£1.6 Billion Value



>£500 Million Capital Support



Started with £1 Million Transition Fund



Our Projects



Bradford: Example of a UK Project



Bradford Energy Network

A city-wide low-carbon heat network providing a blueprint to decarbonise cities and towns nationally

- Heat generated by one of the UK's largest Air-Source Heat Pump
- Distributed across 11km network
- 10,000 homes equivalent supplied with low-carbon heat
- Heat on in Autumn 2026



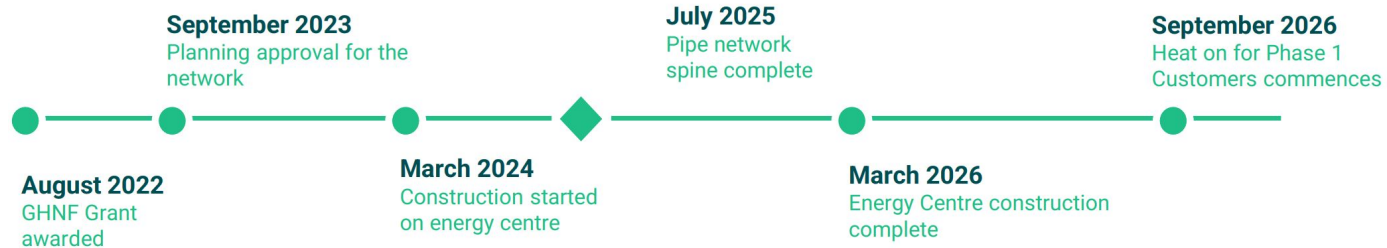
heatgrid.
ireland

Bradford Project Timeline

Concept to Heat On in 4 Years

Project Timeline

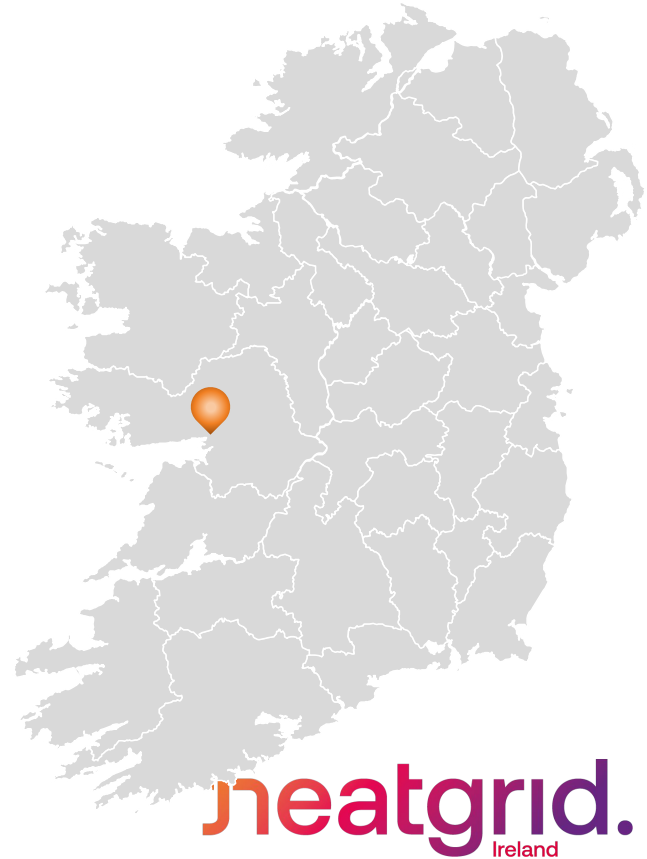
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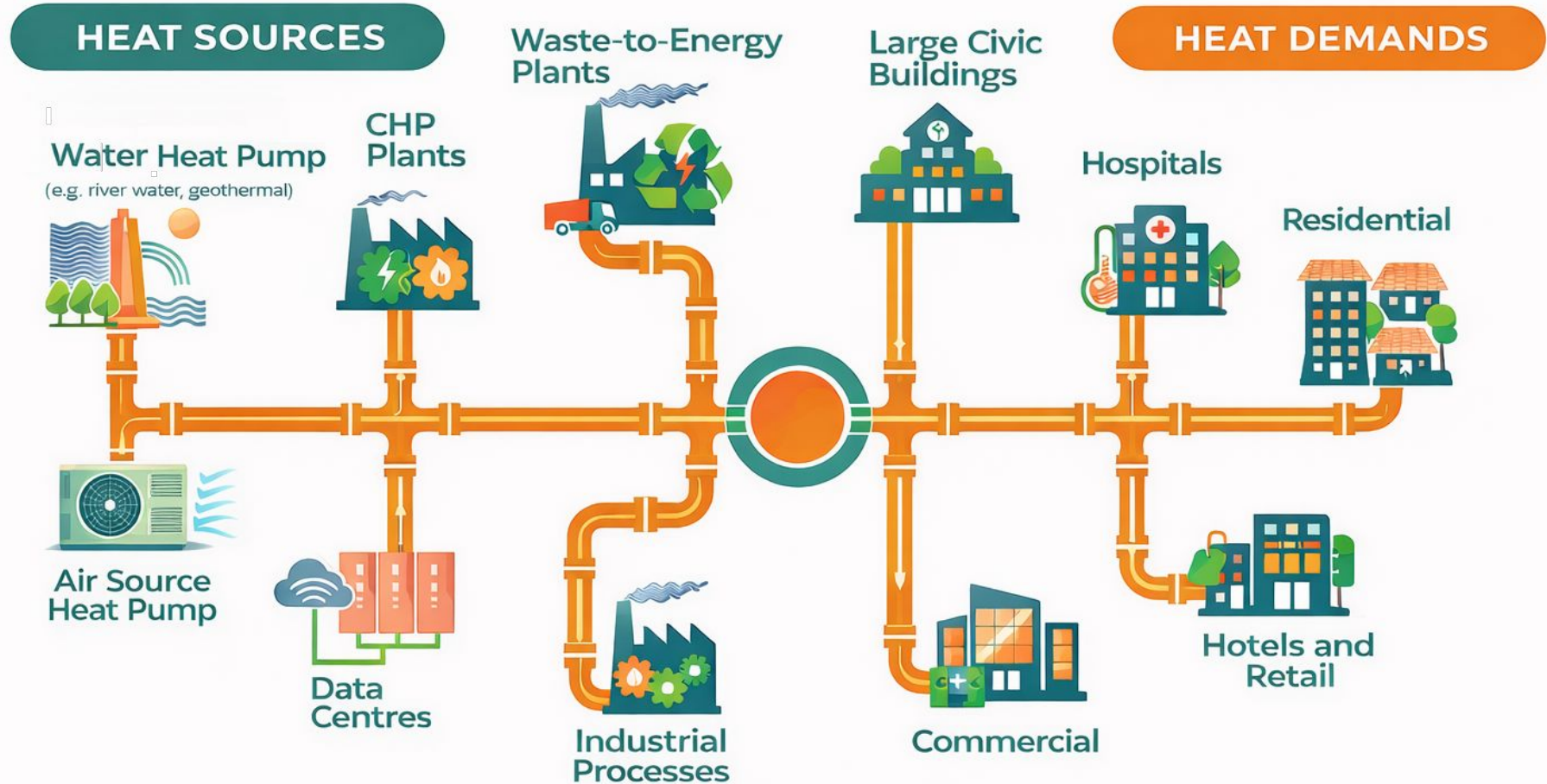
HeatGrid Developments

• Overview

- *Developing Networks Across Ireland*
 - *Over 1,000 GWh of Heat Demand*
- *Galway is first project to submit planning*
- *Will submit planning on two more this year*
- *Aiming to move into construction phase in 2027*
 - *Public Procurement likely to be critical path item on all projects due to prominence of public sector customers as anchor customers*

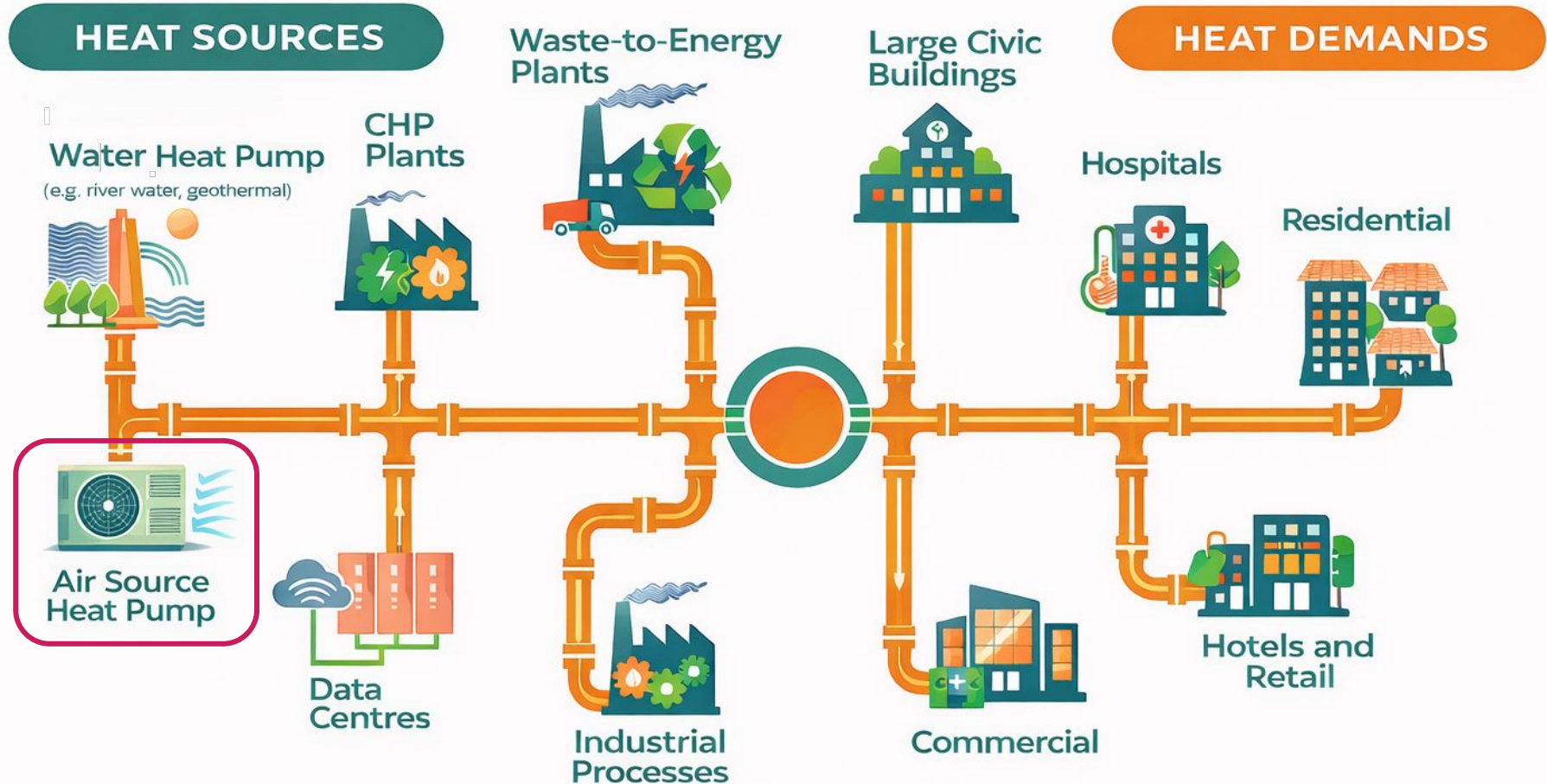


Fundamentals of District Heating



Fundamentals of District Heating

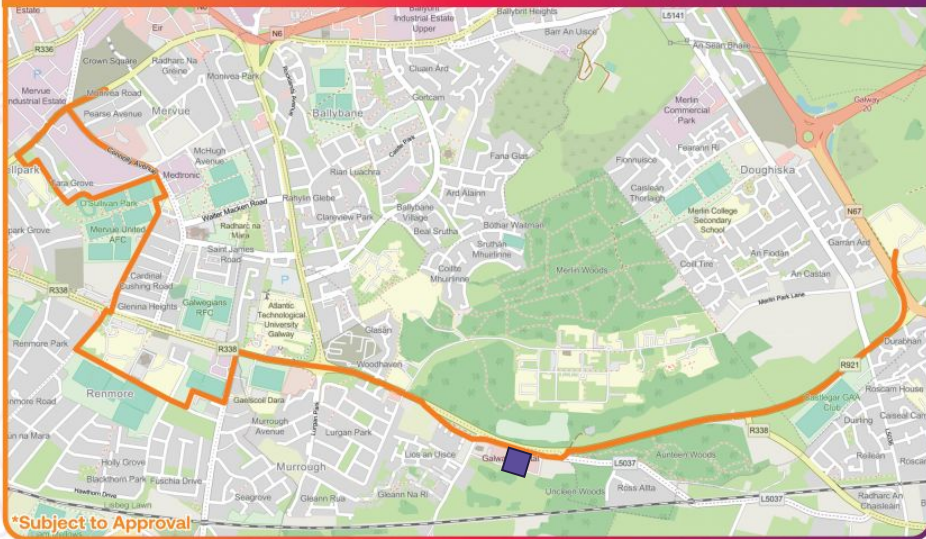
(Galway Project: Phase 1)



Delivering District Heating for Galway City

HeatGrid Ireland is leading Ireland's district heating sector as it aims to supply up to 500 GWh of heat demand. Founded by Dr. David Connolly and supported by Asper Investment Management, our aim is to accelerate the delivery of district heating projects by providing a full turn-key solution to customers.

HeatGrid is excited to unveil Phase 1 of our Low-Carbon Galway District Heating Network.



Network Length
7.9 km



Heat Produced
55 GWh



Annual CO₂ Savings
9,000 tCO₂

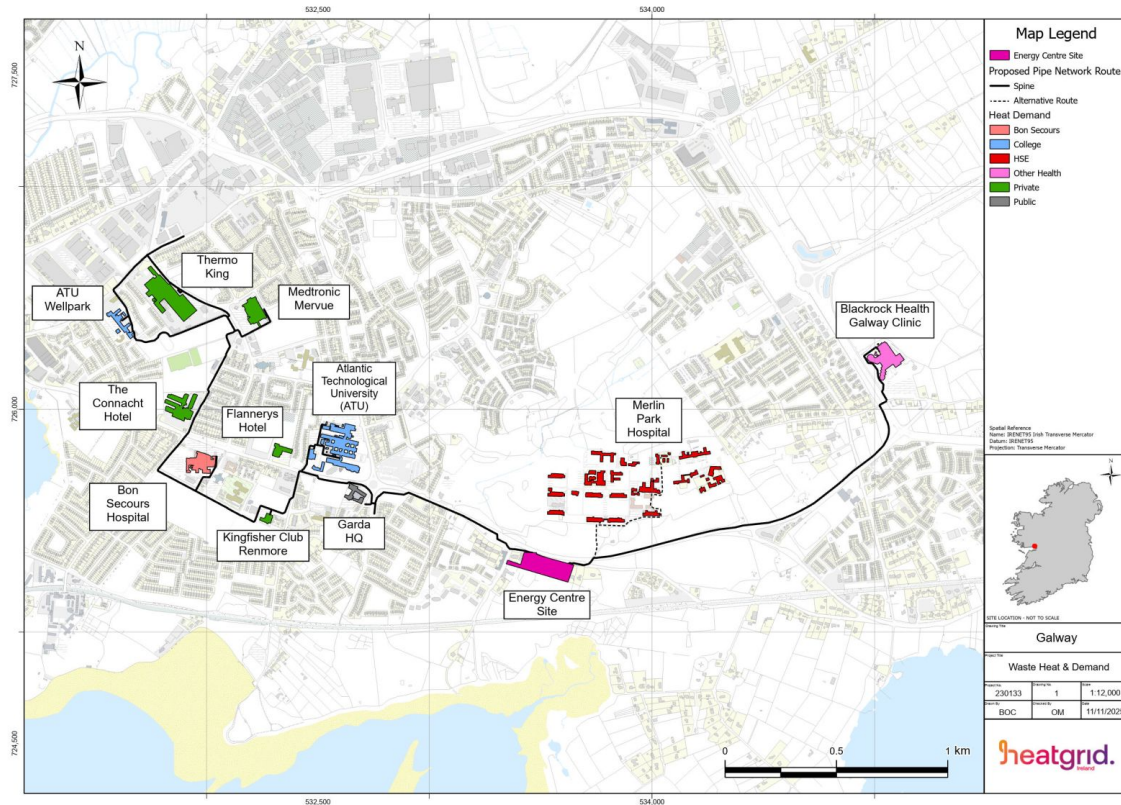


Equivalent to
4,000 Homes

Our Galway Project



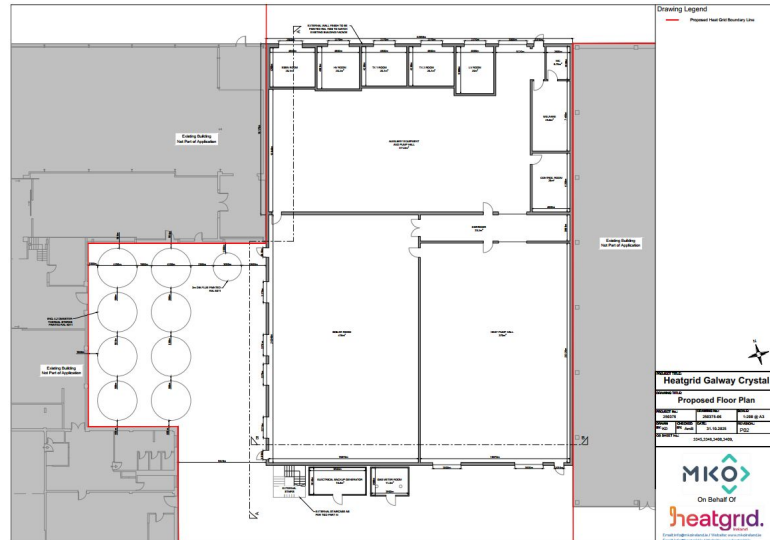
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Potential Anchor Customers on the Dublin Road

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Galway Planning Application Submitted



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Benefit of District Heating in Galway

Customers



- No Extra Elec Capacity
- No Fabric Retrofit
- No CO Onsite
- Outsource Expertise
- Outsource Effort
- Accelerate Timing

City



- Better Air Quality
- Less CO2
- Attract future waste heat
- External Investment in local infrastructure

Cost



- Economies of Scale
- No End of Life
- No Servicing
- Cost Stability

What is not in Copenhagen?

Dublin



Copenhagen



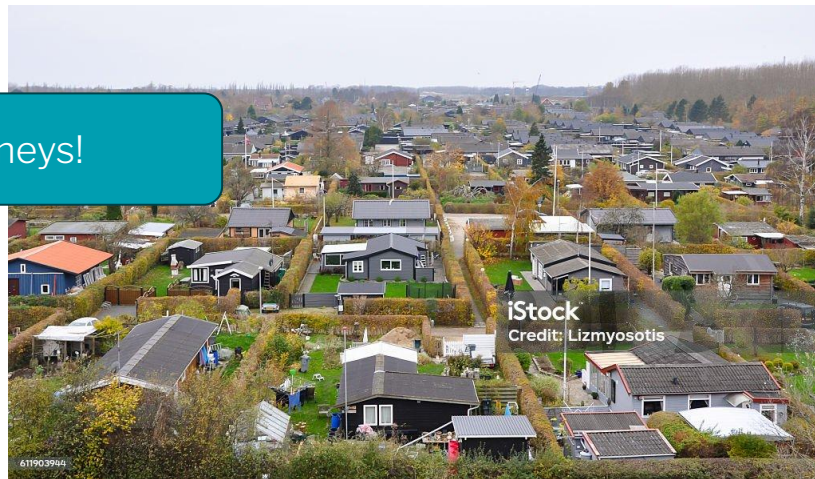
What is not in Copenhagen?

Dublin

Copenhagen



Chimneys!

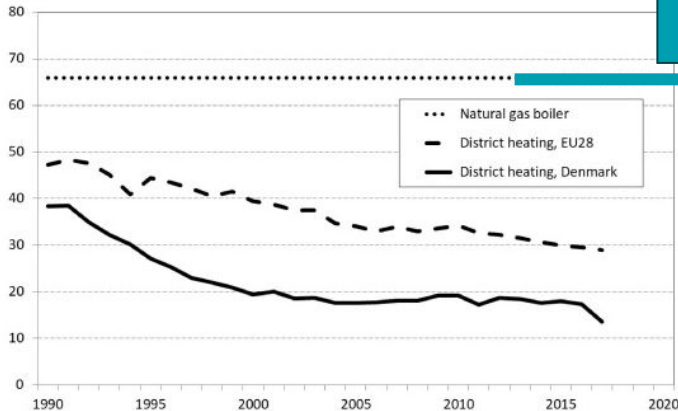


District Heating has been delivering low and zero carbon heating for decades

CO₂ in Danish District Heating



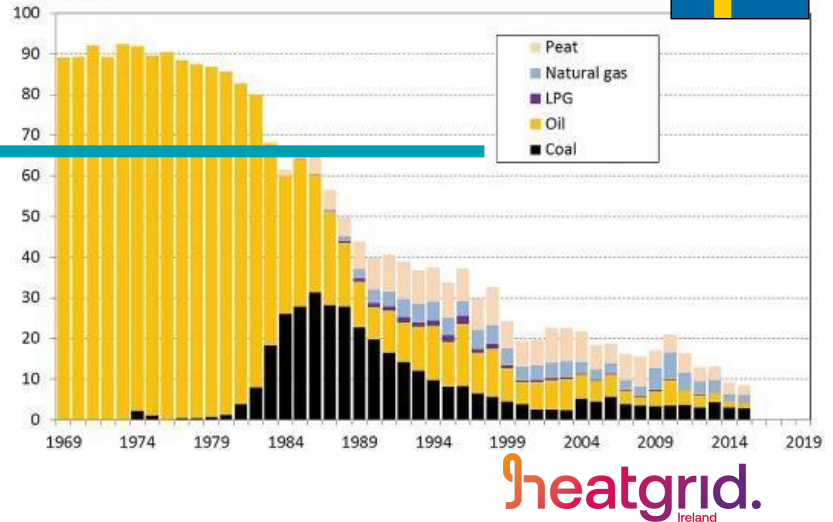
gram of fossil carbon dioxide emissions per MJ heat delivered



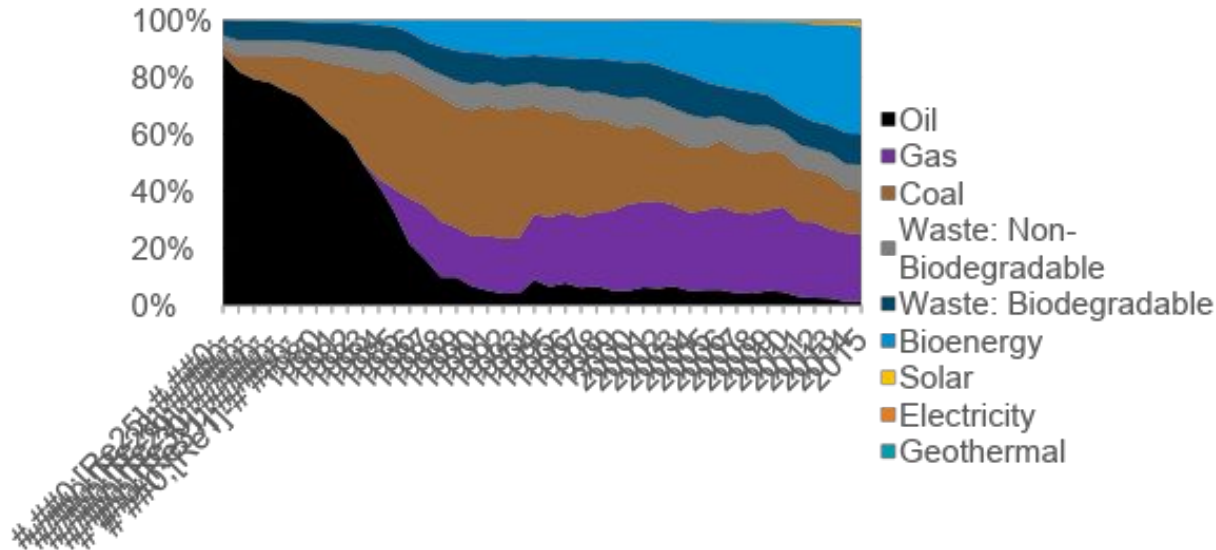
CO₂ in Swedish District Heating



g CO₂/MJ heat delivered



Resources for Danish District Heating 1972-2015



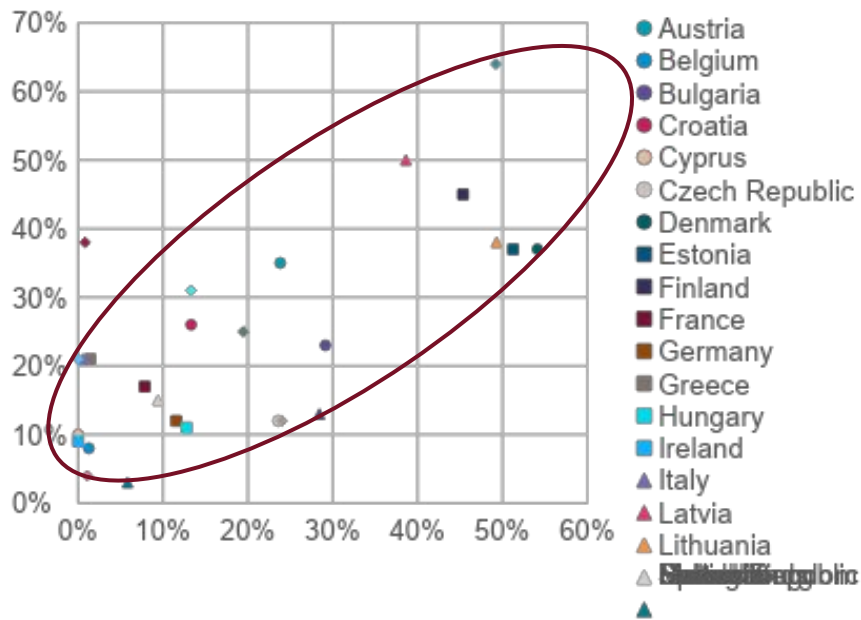
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 695989.

www.heatroadmap.eu
@HeatRoadmapEU



Proven Technology!

Renewable Energy vs. District Heating



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 695989.

www.heatroadmap.eu
@HeatRoadmapEU



More Stable Costs...

Stable DH prices in Denmark even in 2022!

- National Statistics Office:

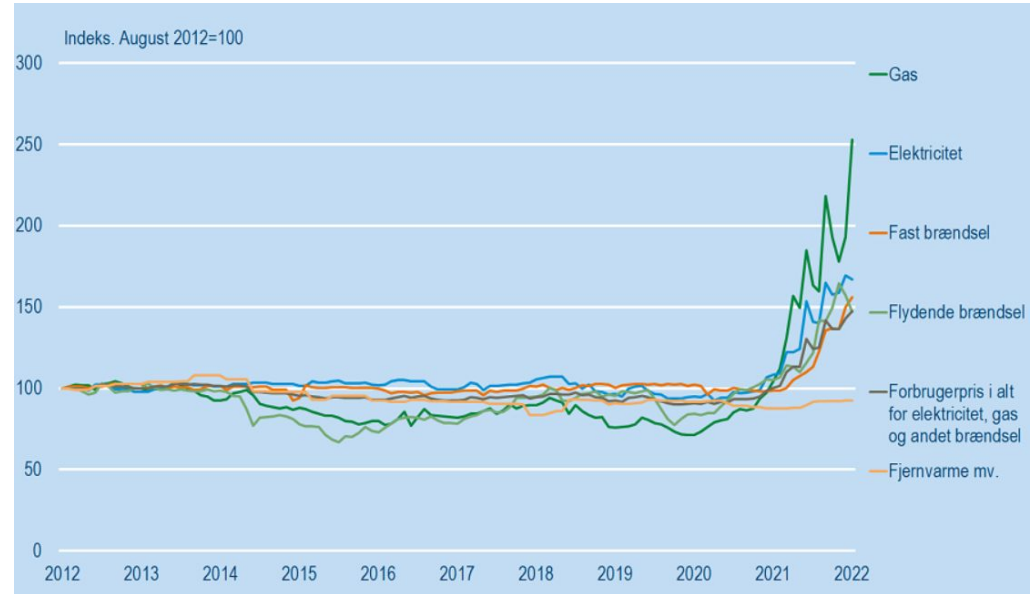
- “District heating has increased the least and is actually cheaper than in 2012”
- “The price of gas, which includes both natural and city gas as well as bottled gas, has increased by 142.6 per cent. the past year... while district heating customers can be pleased that this form of energy has only increased by 5.9 per cent”.

- Danish DH Survey:

- “90 procent af landets 1,8 millioner fjernvarmeboliger får uændrede eller faldende priser i år”.
- “90 percent of the country's 1.8 million district heating homes will see unchanged or falling prices this year [2022]”

- Danish Utility Regulator analysed prices from Aug 2021 to Aug 2022 and found an increase of:

- 6.3% for DH
- 71% for electricity
- 138% for gas



Questions?

Dr. David Connolly

CEO, HeatGrid Ireland

david.connolly@HeatGrid.ie

Heatgrid.
Ireland



Yvonne Comer



Pauline O'Reilly



Dr David Connolly

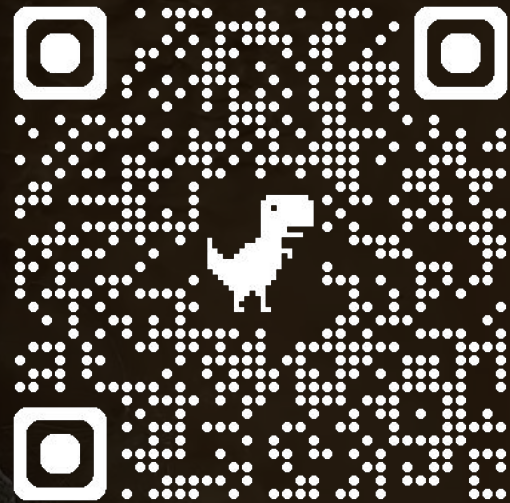
Panel Discussion





Thank You

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FUINNEAMH AN IARTHAIR

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ENERGY WEST

C o m m u n i t y | C a t a l y z i n g | I n n o v a t i o n