

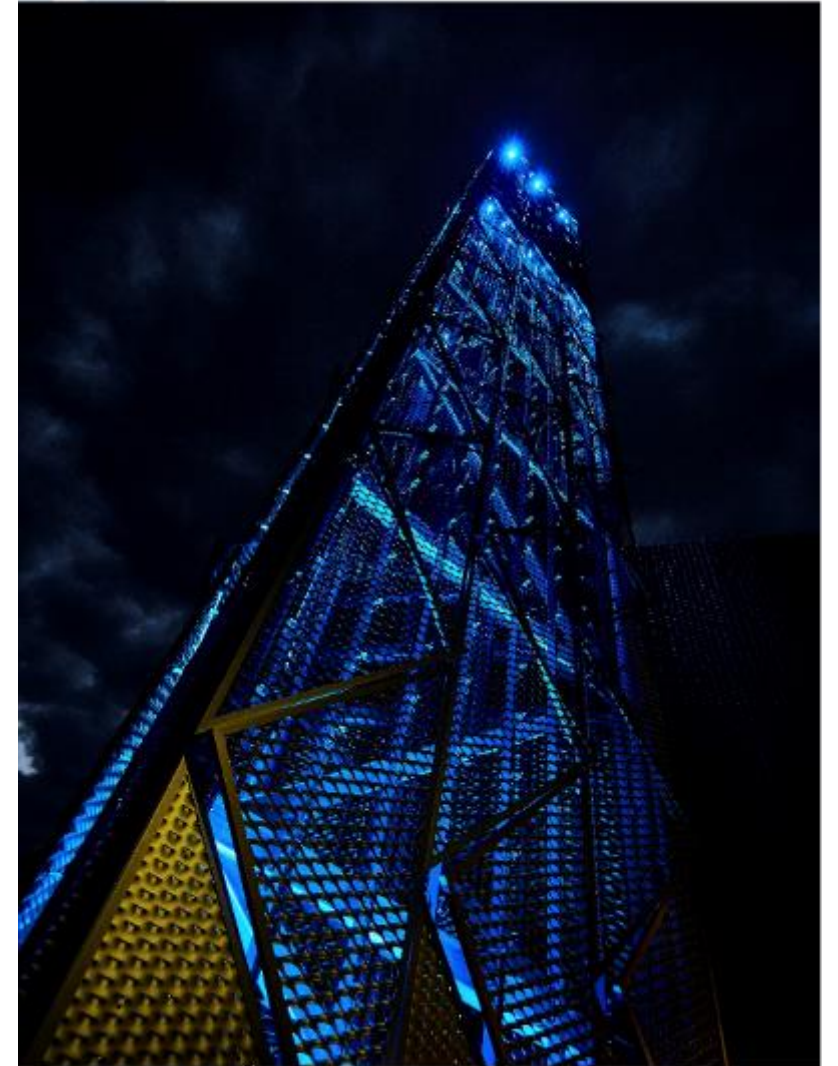
A decade-long journey to bring river heat systems from Norway to the UK

David Pearson

Group Sustainable Development Director



CASE STUDY: DISTRICT HEATING-Queen Quay-2020 Commissioned



In business to secure a better future

2008 – THE BEGINNING

AWARENESS
2008/10

DOUBT
2011/13

AWAKENING
2014/16

REALITY
2017/20

NOW
2022

Let's talk about

They don't work

DRAMMEN

QUEENS QUAY

SPARK GAP

What's a heat pump
/ district heating

We ♥ biomass/CHP

BEIS RIVERS

BRISTOL/JARROW

ZONING

Let's burn stuff

DRAMMEN

Mackay -> CCC

RHI closed

HFOs

ndRHI

ndRHI flawed

LCITP

SPARK GAP

LCITP/GHNF etc



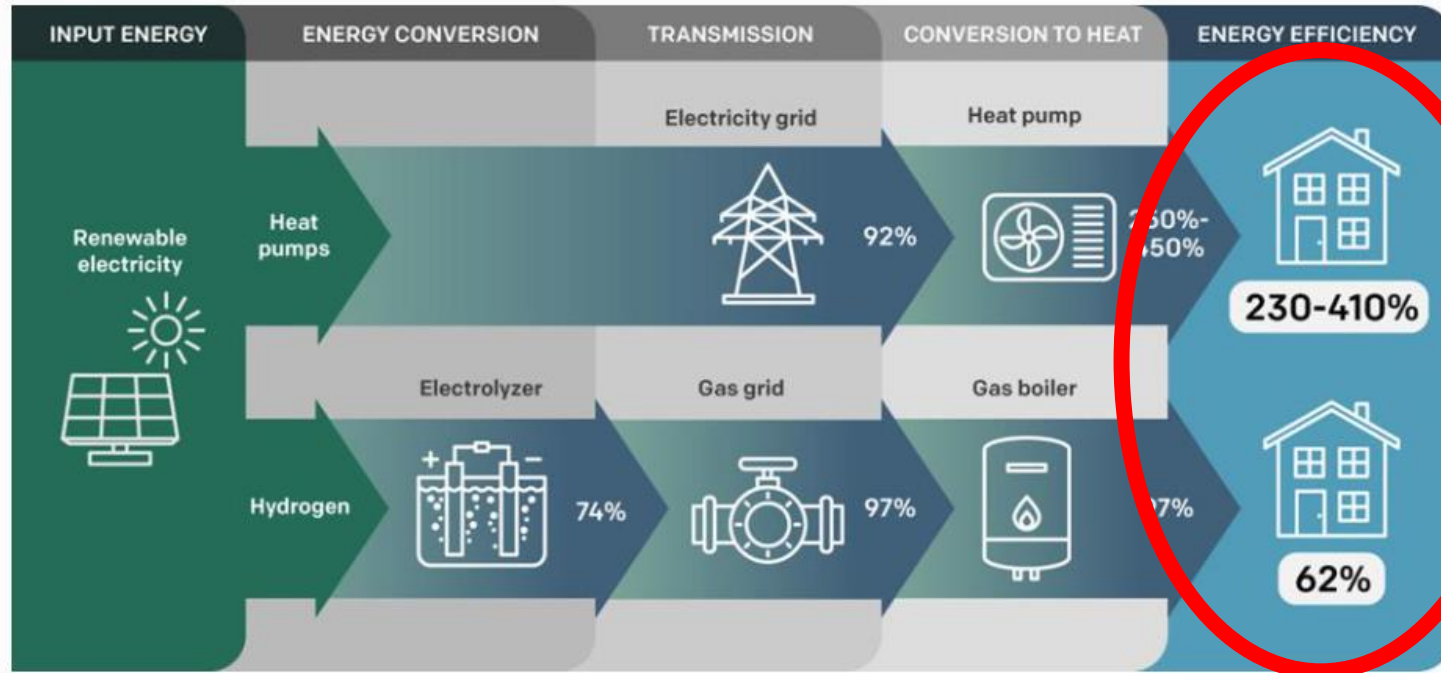
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Heat pumps work

<https://www.forbes.com/sites/davidrvetter/2021/09/01/is-hydrogen-a-climate-silver-bullet-or-fossil-fuel-industry-spin/?sh=34554c312949>

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Forbes



Using electricity to run a heat pump is a far more efficient way of heating a home than using green hydrogen. [-] TANJA GEIS FOR EARTHJUSTICE

“Contrary to industry marketing, it makes no sense to burn hydrogen in our homes,” said Sara Gersen, a report co-author and attorney on Earthjustice’s Right to Zero campaign, adding another reason: “The gas distribution system



Heat pumps heat

Use the heating it

High center

