

Retrofit & heat networks

Keynote by
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Heat networks are 30% efficient on average. This is because they are designed and set to always work for coldest day conditions.



Evinox uses Minibems' smart controls and software on each heat consumer to optimise systems to real-time demand, delivering the same heat and comfort for 50% less flow rate.

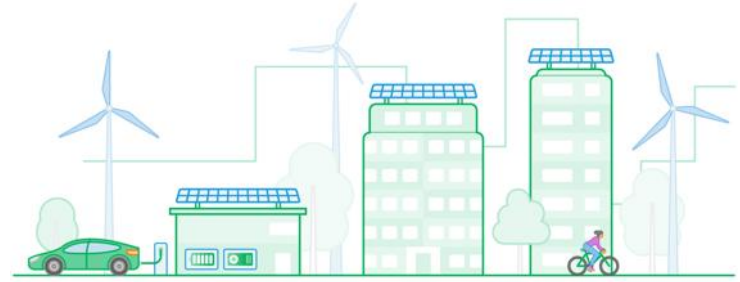


Make your heat network 'renewables ready'

Fabric first

Controls next

yes, also monitoring





Case study

Glasgow project with social housing provider

1,300 homes fitted so far

40 homes installed per week

19 tower blocks completed in Glasgow

Under five-year pay back on savings



Evinox retrofit process

Design & build

Data network

Apartments

Energy centres

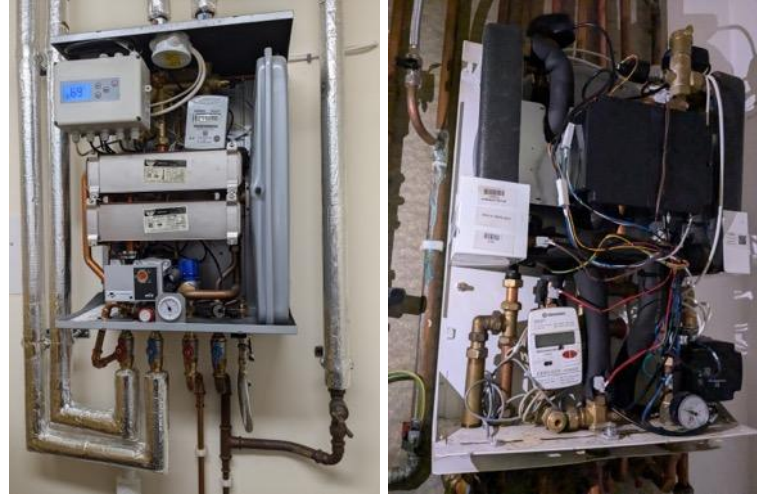
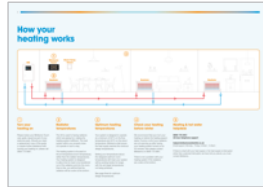
Home retrofit

Works include:

- Retrofit HIU mechanically
- Install controls, wiring harness & data network
- Upgrade radiator valves
- Commission & handover

3-4 hours install per home for a team of two

Access rate - over 99%



Energy centre retrofit

Full design & build

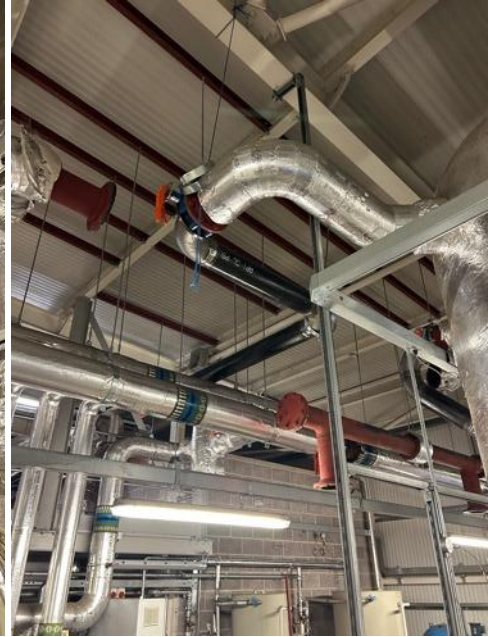
Mechanical works package to deal with pipework irregularities

BMS systems rationalised & upgraded

2-3 week retrofit & refurbishment

Typical problems addressed:

- Low loss headers bypassing flow to return
 - Incorrectly piped buffer tanks
 - Valves with insufficient control authority
 - Boilers without interlock / shutoff
 - Insufficient buffer size
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Business model / Evinox services

Efficiency as a Service (EaaS)

- Guaranteed efficiency
 - Guaranteed call-out rate & maintenance visits
 - Funding
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Software as a Service (SaaS)

- Remote management
 - Network efficiency
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Remote Maintenance Management (RMM)

Design & consultancy

New build

What this all means

Assets & process developed to enable the retrofit of heat network

Lower fuel costs

Lower maintenance costs

Lower carbon emissions

Enhanced resident comfort

Regulation compliance (current & forthcoming)



Project tour in Glasgow on the 9th October 2024

Half-day real-world district heat network retrofit project visit

Will include:

- Introduction to Evinox & Minibems
 - Overview of the project
 - Walk-through of energy centre & home retrofit & refurbishment
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Meet at The Social Hub Glasgow in central Glasgow at 8am

Breakfast will be provided

Email sales@evinox.co.uk or call +44 (0)1372 722 277 to reserve a place

Thank you

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