

# Retrofit in Social Housing

Strategy to Delivery

The challenges and outcomes

# Together Housing

- Background
- Strategy
- Data
- Challenges and Lessons Learned
- Outcomes

## The strategy will aim to achieve the following key outcomes:

- To ensure our properties meet the minimum energy efficiency standards by 2030
- To transition the stock away from gas heating by 2035
- To install 50Mgwp of solar power across our stock by 2035
- To transition the van fleet to electric vehicles by 2030.



# Our strategy – plan into action

- Long term plan based make it the new normal
- Strategic commitment
- Understand the challenge
- Strategic procurement

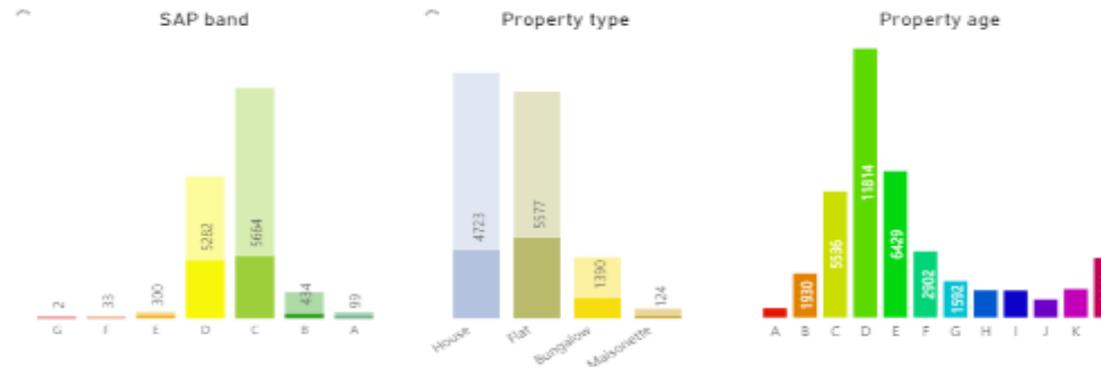


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# Data and its importance

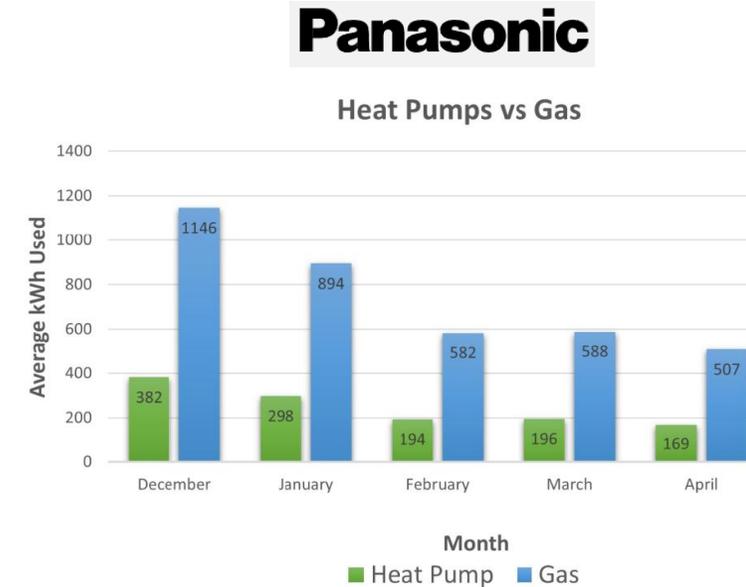
- Types of data; calculated, modelled and actuals
- Using the data to inform the programmes
- Our programmes are the long term plan; not an annual exercise depending on funding schemes available



# Challenges

- Tenant refusals
- Visit fatigue
- Bad press
  
- DNO issues
  
- Right products for the property; right first time

Change is hard -  
engagement is key



# Deep Retrofit



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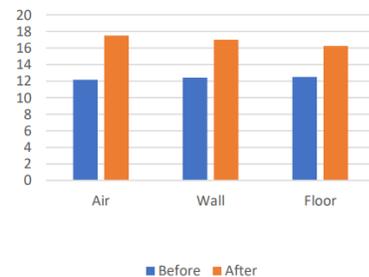
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# Innovation trials

- New technologies and trials:
  - Insulation paint
  - Infra red radiant heaters
  - Battery storage for radiant heat
  - Cork insulation

**ZENOVA**

Maximum thermal temperatures



**cork sol.**  
Sprayed Cork Coatings

## U-value analysis using average method (Section

Analysis start time: 2023-11-23 10:42:17  
Analysis end time: 2023-11-26 10:42:17  
Analysis period: 72 h  
U-value: 1.19 W/(m<sup>2</sup>K)

**NEXIGEN**  
THE FUTURE OF HEATING



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# Real life examples



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## Long term success

- Build key strategic relationships
- Building internal skills
- Track the market
- Take a new perspective – commercial opportunities for revenue generation
- Lessons learned – share knowledge the good, bad and the in between.



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