

Heat pump integration in existing residential building

Energy supplier's role

September 2024 - 17e warmtepompsymposium.



Sense of purpose

“Bouwen aan een CO2-
neutrale energietoekomst
dankzij elektriciteit en
innovatieve oplossingen
en diensten”

Reduce carbon footprint

80% of Luminus footprint is related to scope 3 and in particular the gas sold to final customers

Business opportunity

Major usages shift from
fossil fuel

Heat pump pilot project

Objectif: Build real life cases to showcase **successful integration of HP** into the retrofit market with a variety of buildings



Luminus sponsored the recruitment campaign and finance majority part of the total installation cost



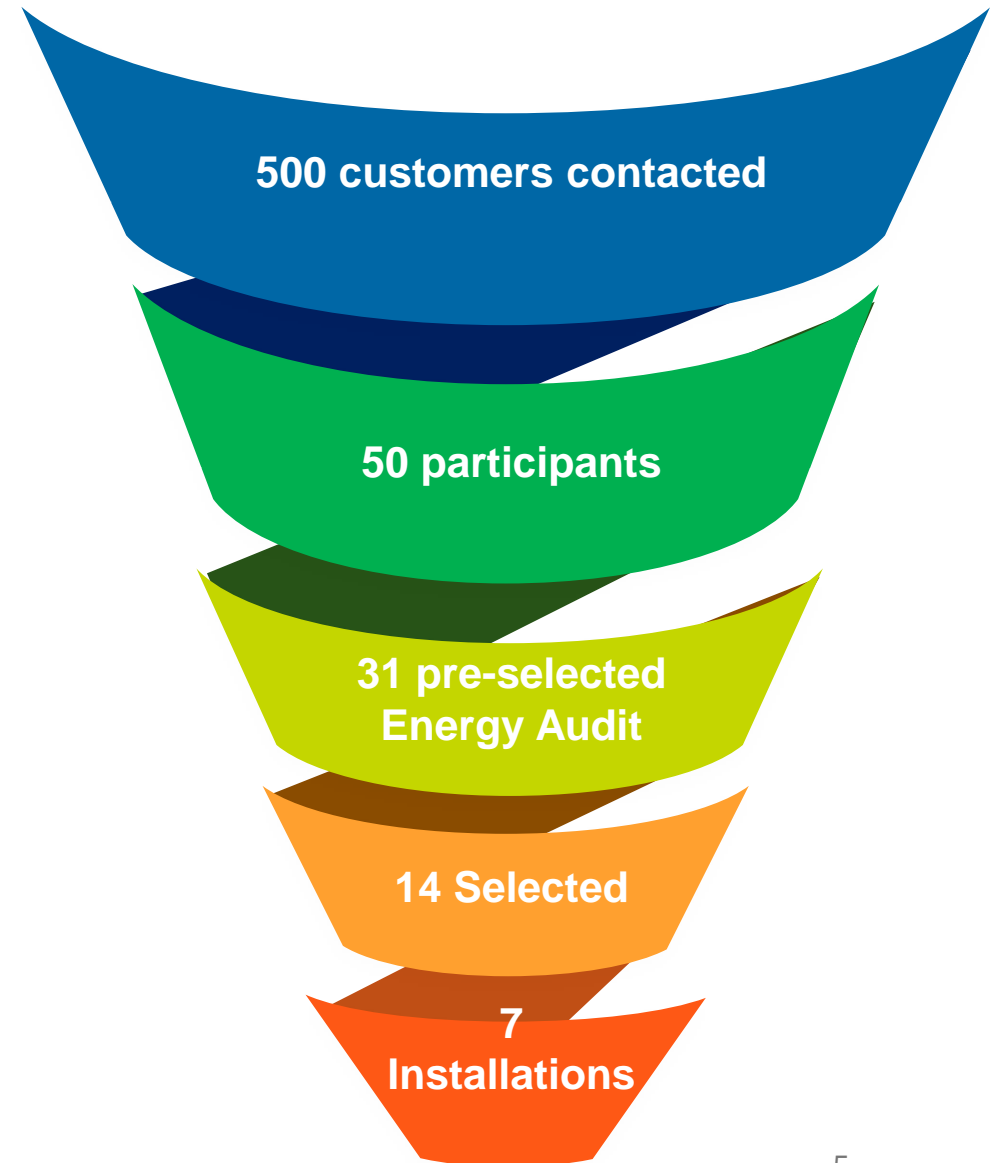
Opportunity: gather information about customer expectations, concerns, consumption habits and HP technical data in real life environment



Partnership with



(technically & financially)



Heat pump pilot project

Testing a mix of different building configurations: level of insulation, existing heating systems, emitters

Existing heating systems


 Gaz **9**

 Fuel **4**

 Electricity **1**

Emitters

 Radiators **8**

 Floor heating **3**

 Convectors **3**

Type of HP proposed

Hybrid air/water **2**



Air/water **11**

EPC score



Electric heating



Installation Slijpe



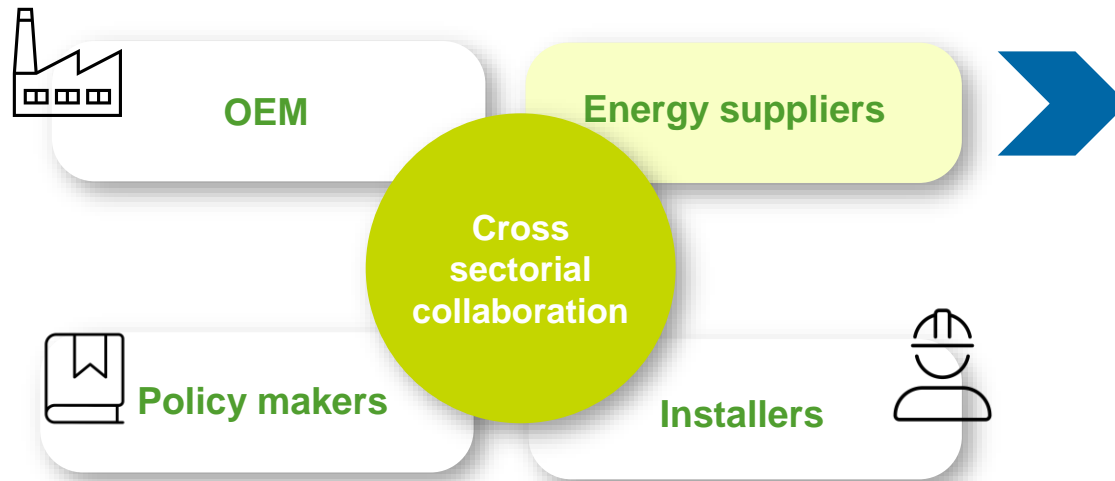
Installation Bilzen



Installation Merchtem

Role of energy supplier

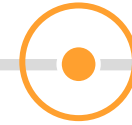
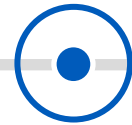
Challenge of successful heat decarbonation:
critical role of each player & collaboration



- Awareness & knowledge: 2 million customer base
- Scalability in adoption of HP by final customers
- Provide integrated view around energy consumption at home: combination with solar, tariff optimization and energy management
- Advocacy towards stakeholders
- Enforcing best practices when it comes to HP dimensioning or manufacturers recommendations

Luminus residential heat pump offer: Make the heat pump installation a simpler journey

START



Step: 3/4 Jouw verbruik

Welke delen van je woning zijn geïsoleerd?



Volgende →

Heat losses



Technical solution



Indicative price offer

Extra services

- Financing: Energy loan at **reduced market rate** to finance installation
- Assistance with subsidies: file preparation



Together we make the difference