FLEXIBILITY WITH HEAT PUMPS IN RENOVATION PROJECTS

Total renovation in EU 2020 - 24 million units

REDUCE CO2 EMISSIONS

- Implementing building retrofits with upgraded building envelope
- Keeping the momentum for nZEBs
- New built off the gas grid & renewable heat-ready
- Opting for F-Gas with lower GWP
- Using smart software to optimise heating & cooling services in energy-intensive buildings

ACCELERATE RENOVATION BY STIMULATING HEALTHY DEMAND

- Providing financial incentives to pick up renewable heating
- Changing customers’ mindset about new heating technologies
- Adopting simulation tools to calculate cost and ROI of heat pump installations

OVERCOME CHALLENGES

- Developing the installer skills’ set
- Increasing consumer accceptability
- Providing proper planning for installations

CONTRIBUTE TO THE RENOVATION WAVE

- LG Smart Home Energy Package (known as ESS) - LG’s unique contribution in lower carbon renovation
- Higher property valuation because of lowering the energy bill
FLEXIBILITY WITH HEAT PUMPS IN RENOVATION PROJECTS

USE HEAT PUMPS FOR FLEXIBILITY
- Able to connect to multiple indoor heat emitters
- No need for a chimney flue
- Flexible installation anywhere in doors
- Split system accommodates for up to 50 m piping between indoor & outdoor unit

INTEGRATE SMART HOME SOLUTIONS
- A total package: Heat pump + PV panel + battery storage
- Smartphone app for remote controlling and monitoring

EMBRACE TECHNOLOGY PROGRESS
- More compact units
- Lower noise level
- New materials/refrigerants
- Integration of information technology (IoT in buildings)

POLICY CHANGE IN FAVOR OF HEAT PUMP DEPLOYMENT
- Phase-out gas boilers
- Incentivise financially scrappage schemes
- Rebalancing taxes on electricity & gas to reflect carbon content

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