Superhomes 2030 – Scaling Up Deep Retrofit in Ireland

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Superhomes.ie

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1. What is Superhomes?
2. Where to by 2030?
3. Opportunities & Challenges
4. A Vision for the Future
1,500 Shallow Retrofits by 2015
G/F to D/C BER Upgrades
Fossil fuels!
Single Measures

2015 - decision to decarbonise
Shallow to Deep
Customer Journey
Market Capacity

Superhomes is a One Stop Shop (OSS) that delivers deep retrofits of residential buildings Ireland.

It supports the home owner along the entire customer journey delivering cost optimal retrofits and comfortable and efficient.
What is a SuperHome?

- Fabric First
- Air Tightness
- Ventilation (Demand Control Ventilation)
- Air Source Heat Pump
- PV
- Access to incentives (Grants, Energy Credits etc.)
Ali Sheridan & Family
“There’s a lot to take in in terms of paperwork. SuperHomes held our hand on a lot of that and gave us very clear guidelines. They were always on the end of the phone.”.

Shay And Olive Aylward
“I would highly recommend it to everybody who can get it done. Our neighbours have been calling to see the system outside and to experience what the house is like”.

Superhomes
1. Information & Support
2. Survey
3. Technical Design
4. Contractor Management
5. Quality Assurance
6. Support to access grants/incentives
Ireland Climate Action Plan

Buildings

- 500,000 existing homes to upgrade to ‘B2’ equivalent BER by 2030
- 600,000 heat pumps installed by 2030 (of which 400,000 will be in existing buildings)

New retrofitting delivery model, which will group retrofits together, leverage smart finance, and ensure easy pay-back methods.

Electricity

- 70% Electricity generated from renewable sources by 2030
- Phase-out Coal and Peat electricity generation
- Homeowners to generate their own electricity and sell back to the grid under scheme for micro-generation
Where to by 2030

Scale: 3,000 homes per annum
Contractors: 200 High Performing Contractors
Regional Spread: 3-4 Regional OSS
Optimised Process: 10-15% Efficiency
Finance: Superhomes Finance Package
Investment: €575m
Employment: 3,000 FTE roles
Training: 1,000 people trained
Opportunities

Contractors: Reducing risk for contractors to engage in deep retrofit; Experience; Employment

Driving Quality: Optimisation of HP Performance; Training; Standards

Business Processes: Efficiencies; Digitisation; Sales & Marketing

Innovation: Integrated Solutions (HP, PV, EV, Battery, Ventilation etc.); Smart Grid

Knowledge: Information; Case Studies; Data; Research

Finance: Co-creating finance solutions for deep retrofit with financial institutions
Challenges

Policy: “Stop Start”

Construction Sector: Capacity, Inflation, Skills

Homeowners: Trigger Points – matching their needs

Finance: Scale required for interest from financial institutions
• OSS Single point of contact
• Regional Focus
• Retrofit Contract – 2 Pages!
• Financed through savings/low interest loans
• Integrated Smart Technology(ies)
• Air Quality; Health Metrics
1. Superhomes2.0

2. HP4ALL
@heatpumps4all

Thank you

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