



Introduction 2ndSKIN Consortium





The Skin







The Installation



15 Solarpanels per home 7 panels installation/8 panels for household use

Installation shaft integrated in design

Installation to maintain from the outside

New detached balconies

Heat source, heat pump, heat recovery ventilation unit and hot water boiler. drilling source



Before and after

Demonstrator project 12 apartments Vlaardingen, the Netherlands







Before and after

Upscaler project 183 apartments Vlaardingen, the Netherlands









Value proposition & added value



CO₂ reduction



Circularity of materials



Happy residents



Value property



Integration supply chain



Upscaling

What are the barriers for large scale deployment?

- The lack of projects keeps the prices still high
- The business case for homeowners isn't profitable yet
 (Doing nothing or standard renovation is cheaper and provides almost as much rent)
- Current government tax-rules and laws

How could they be overcome from a policy-making point of view?

- Upscaling through collaboration with major suppliers and other consortiums
- Implementation of CO2 taxes or tax reduction for energy efficient homes
- Long term commitment to the Climate Goals on an European scale (or even worldwide)
- Create a European platform for knowledge sharing for large and small companies which contribute to the Climate Goals



Path to a zero-carbon society

How could our solution be part of a city/region/country transition to carbon neutrality?

- 2ndSKIN dramatically reduces the heat demand of the dwelling and contribute to lower CO2 emissions
- 2ndSKIN makes retrofitting possible in inhabited state with minimum nuisance, a solution that makes residents and homeowners happy
- 2ndSKIN lowers maintenance costs en living costs through lower energy use or even no energy use by zero on the meter
- 2nd SKIN provides monitoring the use of the installation, data is collected and we can act on this data
- 2ndSKIN is suited for different kind of transition scenarios on neighbourhood & district level
- 2ndSKIN's business model is based on a product-/service solution easy to fine-tune and to upscale in Europe



Achieving the climate goals is only possible by solid cooperation in innovation and realization, from European politics to home owners and companies in the supply chain!

Will you join us?



