

‘Power to the People - Electrification of the European Economy’

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Glen Dimplex



- Founded 1973 – Today is the **worlds largest electrical heating business**
- Holds significant market positions in the domestic appliance markets
- Operates through 33 autonomous businesses throughout the world and employs c10,000 people – HQ Dublin, Ireland
- Annual turnover €2bn
- Investment in brand building and constant product innovation are cornerstones of the Groups success

www.glendimplex.com

Glen Dimplex – Business Associates of Eurelectric

- Proud to be business associates of Eurelectric
- Fully committed to electrification of heating and cooling
- Delighted that our work has been mentioned in the Electrification report



The Connected Electric Home

Linking **low carbon electricity** from renewables,
flexible tariffs and **electric heating / cooling**
appliances into **holistic business models** through an
Internet of Things Platform

Glen Dimplex technology - leading the way in the electrification of heating and cooling

QUANTUM
energy system



ZEROTH
energy system



Smart Electric Thermal Storage System (SETS) – Key Features



Consumer

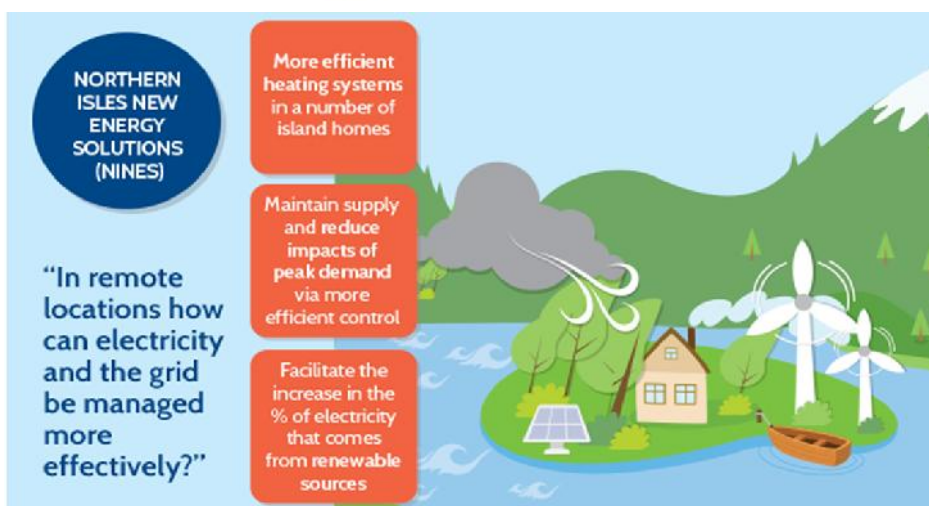
- High efficiency energy store – low losses
- Accurate electronic time and temperature control
- Up to 25% reduction in energy bills
- Advanced apps for user interaction and information



Power System

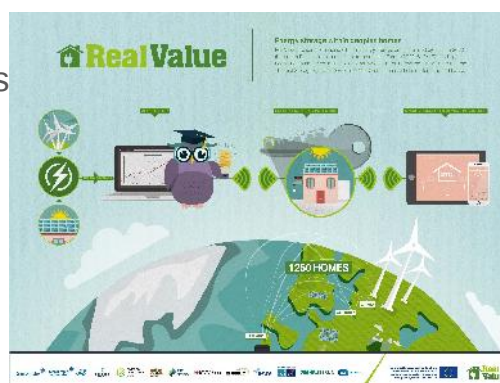
- Overall Demand Reduction
- Reduction of demand during peak periods
- Increased System Flexibility
- Provision of Ancillary Services
- Facilitation of increased renewable electricity generation

The 'NINES' Project – DSM Objectives



The RealValue Horizon 2020 Project

- Local / small-scale storage
- Commenced 1st June 2015 (duration 36 months)
- EU Grant €12 million
- Over 1000 properties installed Smart Electric Thermal Systems in Ireland, Germany and Latvia
- Glen Dimplex acting as a coordinator
- Consortium of 13 partners in 5 member states
- Focus on Northern Europe



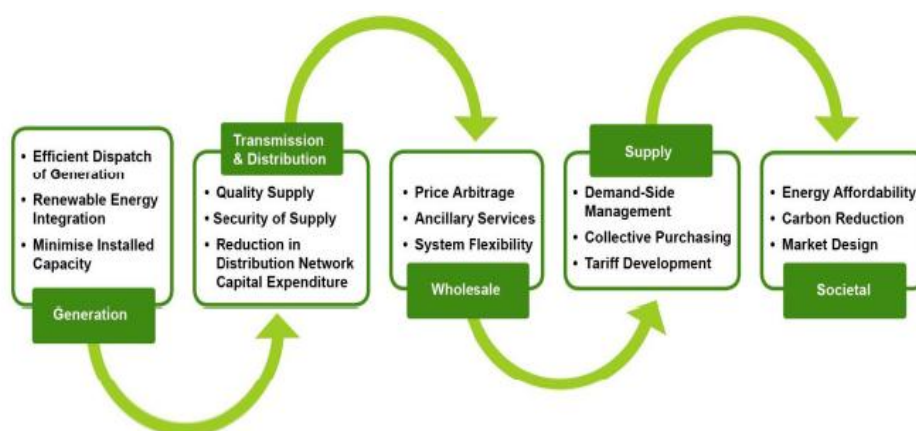


RealValue Objectives

- Physical demonstrations of a domestic load aggregation platform that will link the electricity and heating sectors in 3 member states
- Refine existing ICT systems and procedures to interface distributed populations of local small-scale thermal storage devices.
- Combine the experiences derived from the contemporary physical demonstrations with future projections from the desktop modelling studies.
- Carry out thorough market and regulatory policy investigations.
- Carry out consumer research and behavioural studies.
- Devise robust business models.
- Disseminate the experiences, findings and conclusions of the project.



RealValue - Impact across the electricity value chain

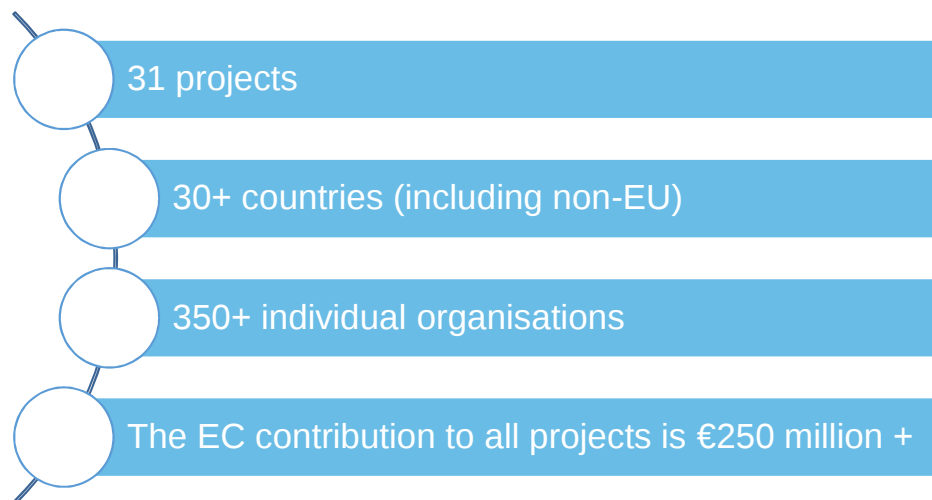


Bridge

BRIDGE is a European Commission initiative which unites Horizon 2020 Smart Grid and Energy Storage Projects to create a structured view of cross-cutting issues which are encountered in the demonstration projects and may constitute an obstacle to innovation.



Bridge



Clean Energy Package



Leading the way in ***electrifying*** the heating and cooling sector globally!

Come and visit us on our exhibition stand!