

HSAUDC 2017 – Summary of Five Commended Entrants

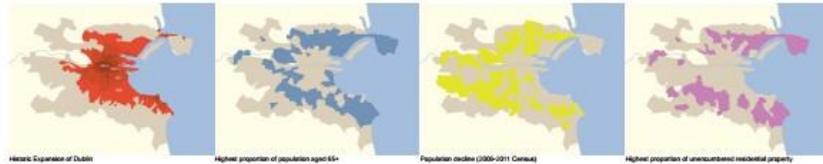
Name/Concept of Idea: The Abhaile Project

The Abhaile Project

Homes for Smart Ageing
Universal Design Challenge



PROPOSED GROUND FLOOR
AREA = 47 m²



Abhaile: Developing an innovative new model for older homeowners to reconfigure their two-storey homes, creating a new rental unit within the house. Conceived as a solution to help address the housing needs of an ageing population, whilst carving much needed new rental capacity from our existing housing stock.

Reaction to the CSO's "Housing & Ireland's Older Population" - April 2016

"Calls for each state to get elderly 'empty nesters' out of large houses ... still unoccupied"

"...the potential social isolation of older people must be considered when encouraging them to free up housing for families." CSO"

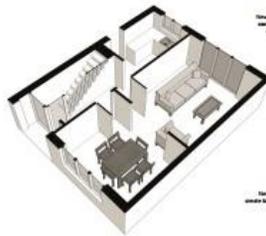
"...seems to ignore the lack of choice faced by many older people." Age Action

Abhaile is looking at this through a different lens, providing a new alternative to older homeowners to promote an efficient way to use our existing housing stock and to generate neighbourhoods in decline.

We are applying an innovative design to one of Ireland's most common urban house layouts - the 3-bedroomed semi-D.

Social Benefits

- Security & Isolation: creating an independent living space for the homeowner and the tenant, whilst improving security and increasing isolation.
- Intergenerational Living: Reconfiguration of neighbourhoods in decline to encourage younger residents to rent the newly created single occupancy units.
- Ageing in Place: the CSO's stated objective is to support older people to remain in their homes and communities for as long as possible.



EXISTING HOUSE - GROUND FLOOR



MODIFIED HOUSE - GROUND FLOOR



EXISTING HOUSE - FIRST FLOOR



MODIFIED HOUSE - FIRST FLOOR

Explanation of Idea: Abhaile is developing an innovative new solution to help address the housing needs of an ageing population, whilst carving much needed new one-bedroomed rental capacity from our existing housing stock in mature urban areas from a Universal Design approach.

Abhaile supports homeowners to reconfigure their two -storey house: future-proofing the garden level by creating an independent living area suitable for the older homeowner, eliminating the need to use the stairs; and creating an affordable, single occupancy, one-bedroomed rental unit upstairs (subject to local authority agreement).

What problem does it solve: Instead of suggesting that older homeowners move out of their homes into custom built schemes, Abhaile promotes an efficient way to use our existing housing stock. Abhaile is a new idea that applies an innovative design to one of our most common urban house layouts - the three-bedroomed semi-D - whilst incorporating good tax, legal and financial planning.

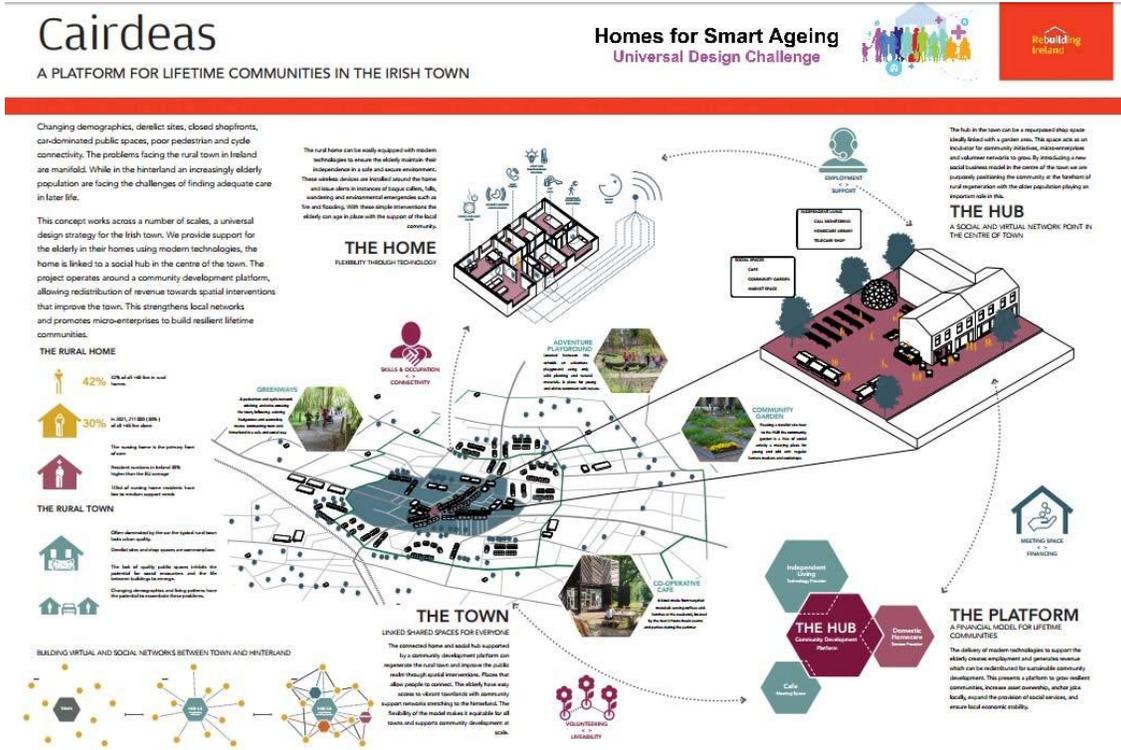
Another important aspect of the design is to allow the homeowner to live securely and independently downstairs, whilst promoting interaction with the person living upstairs, thereby reducing isolation.

Team Member Names:

Michelle Moore, Founder Dermot Bannon, Architect Ciaran Ferrie, Architect

HSAUDC 2017 – Summary of Five Commended Entrants

Name/Concept of Idea: Cairdeas



Explanation of Idea: a universal design strategy for the Irish town. Cairdeas provides support for older people in their homes using modern technologies; the home is linked to a social hub in the centre of the town. The project operates around a community development platform, allowing redistribution of revenue towards spatial interventions that improve the area. This strengthens local networks and promotes micro-enterprises to build resilient lifetime communities.

What problem does it solve: Prevents social isolation and loneliness for older people using technology and the principles of Universal Design.

Team Member Names: Daryl Mulvihill, Architect, Patrick Mulvihill, Co-founder of Amicitia Project, and Heather Griffin, Information Designer and Animator.

HSAUDC 2017 – Summary of Five Commended Entrants

Name/Concept of Idea: IRU.M.M



IRU.M.M
Integrated Rooms Universal .Mobile .Modular

Homes for Smart Ageing
Universal Design Challenge





Why?



We don't build an ambulance at hospital in or after an emergency - we have one available for use in case of and when there is a need. Why then do we build and offer people post or disused to care that leaves a place suitable for their care. Why? If there were primary rooms performance, adaptable and equity suitable to all (in the need)

Associations in Design Idea



home, design, problem, connecting, safe, homes, respite, technical, units, units, external, inspired, idea, example, used, construction, return, associated, ageing, mobility, independence, health, care, support, network, community, connectivity, neighborhood, support, network, firm, floorings, non-invasive, anchor, pads, secure, and, adaptive, base, mobile, rapid, deployment, to, meet, need, materials, from, cradle, to, cradle, modular, manufacturing, efficiency, economies, of, scale, wide, distribution, network, rapid, upscaling, and, adaptation, to, demand, entrance, porch, firm, floorings, non-invasive, anchor, pads, secure, and, adaptive, base, mobile, rapid, deployment, to, meet, need

Materials - From cradle to cradle



Modular Manufacturing - Efficiency, Economies of scale - wide distribution network - rapid upscaling and adaptation to demand



Four Primary Room Types and One Universal Link



ADL Kitchen



Enabling Washroom



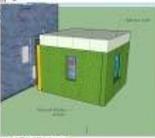
Universal Bedroom



Entrance porch



ADL Kitchen



Enabling Washroom



Universal Bedroom



Firm Floorings - Non-invasive Anchor pads ensure secure and adaptive base



Mobile - Rapid deployment to meet need



Community connectivity



Neighborhood support network



IRU.M.M Integrated Rooms Universal .Mobile .Modular

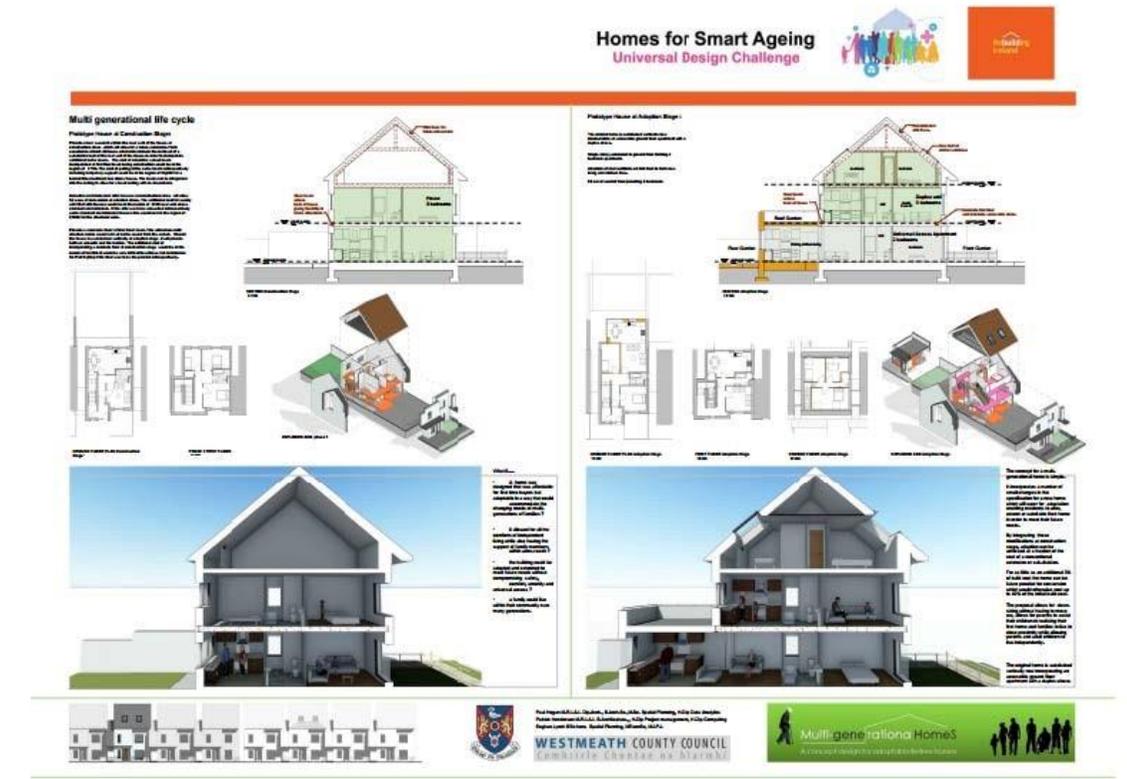
Explanation of Idea: A design to provide suitable, sustainable and user centred accommodation for older people when returning to their own homes after hospital or respite care.

What problem does it solve: Helps solve the problem of choice, anxiety, time, bed blocking in health care and accommodation costs.

Team Member Names: Aiden O' Donovan (Senior Architectural Technologist), Albert Hamilton (Card Group)

HSAUDC 2017 – Summary of Five Commended Entrants

Name/Concept of Idea: Multi-Generational Adaptable Homes



Explanation of Idea: The concept allows for a number of small but significant changes in the specification for a new home designs which will enable residents to alter, extend or subdivide their home in order to meet their future needs.

By building in adaptability at construction stage the cost of change is minimised when adaptation takes place. The proposed new housing typology allows for various configurations that allow the dwelling to adapt, not just in one lifetime but over several lifetimes as housing needs change. The concept supports the principle of integrated yet independent living. It allow for down-sizing, subdivision, extending, adaptation and creation of a live-work space with minimal disruption and expense.

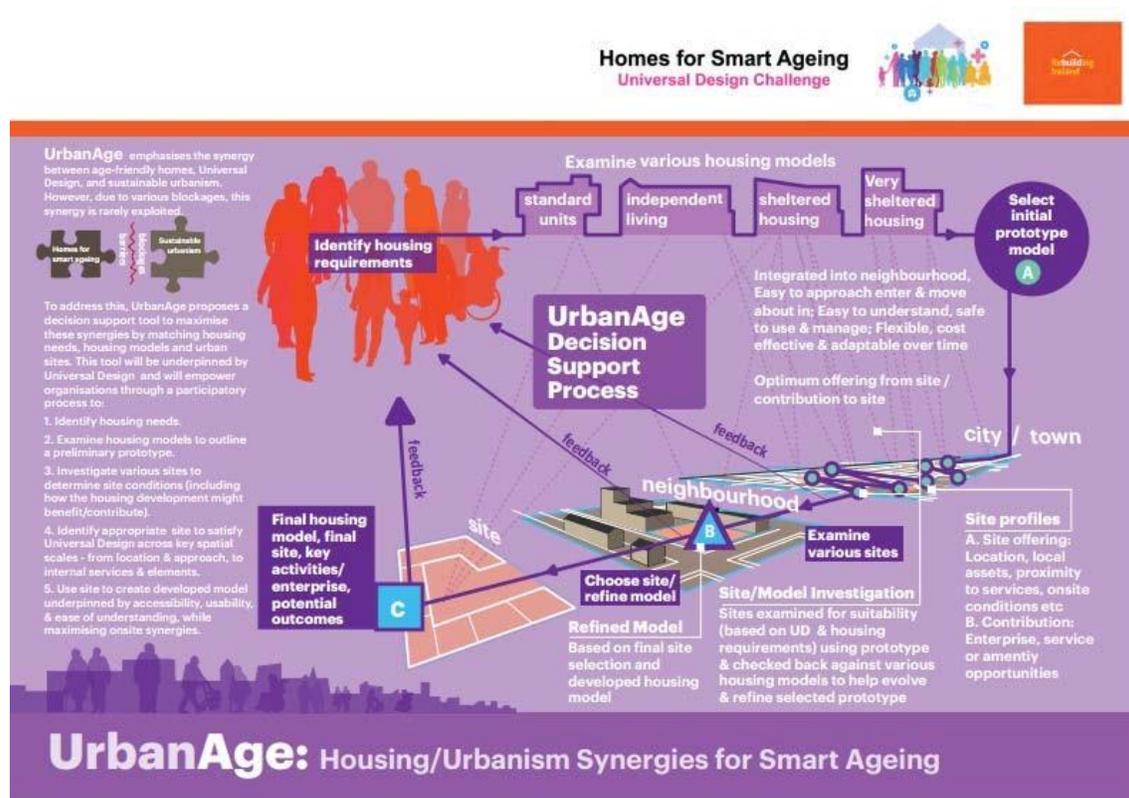
What problem does it solve: Allows for down-sizing without having to move out, allows for parents to assist their children in realising their first home and allows for independent living. There is a mutually beneficial relationship in having an integrated community where people of all ages make a contribution to society.

Team Member Names: Westmeath Capital Housing Design Team, Leo Noone, Paul Hogan, (Team Leader), Helena Heffernan, Mark Kerrigan, Patrick Henderson (Project Architect), Thomas Flynn, Veronica O’Boyle, Eoghan Lynch. (Micheal Gaffney).



HSAUDC 2017 – Summary of Five Commended Entrants

Name/Concept of Idea: UrbanAge - Housing/Urbanism Synergies for Smart Ageing



Explanation of Idea: UrbanAge emphasises the synergy between age-friendly homes, Universal Design, and sustainable urbanism, and proposes a decision-support tool to maximise these synergies and match housing needs, housing models and urban sites.

What problem does it solve: Solves the 'confusing array' of housing models, deficient age-relevant site information, and a lack of processes delivering integrated solutions.

Team Member Names: Tom Grey, Dimitra Xidou and Prof Mark Dyer, representing TrinityHaus in Trinity College Dublin / Margarita Solon, McAuley Place, Prof. Des O'Neill, Consultant Geriatrician and Professor of Medical Gerontology and Dick Gleeson, former Head of Planning at Dublin City Council.