

# The Retrofit for the Future - Ideas Competition

The competition explores how existing homes can be improved to use less energy, cut carbon emissions and save costs.

How can we make our houses better?

We are looking for original ideas for improving the energy performance of our houses. We want short answers, not long essays. Your idea might only take a paragraph, or even a sentence to explain, and you don't need to be a seasoned property professional to enter. Here are some ideas to get you thinking:

- Introduce smarter and greener technology.
- Tighten regulations.
- Ration carbon.
- Create legal consequences for poor performance.
- Control unregulated energy use.
- Improve training for specifiers, installers and users.
- Monitor correct operation and share lessons learned.

The Department of the Environment, Food and Agriculture would like to invite an ideas competition to encourage local architects and others interested in "up-grading" buildings to create cost effective solutions for retrofitting properties on the Isle of Man to achieve Near Zero Emissions.

Retrofitting has been selected as a preferred option given that the current building stock will represent approximately 80% of buildings in use in 2050.

It is noted there are over 40,000 domestic properties on the Isle of Man, so the challenge of significantly improving the energy efficiency of such a large number of buildings is not to be underestimated.

The Standard Assessment Procedure (SAP) is the methodology used to assess and compare the energy and environmental performance of dwellings. The average SAP rating will need to increase to a rate of over 70 by 2050.

## Competition mechanics

Entrants would be asked to select an example of a widespread existing Manx property type e.g. Manx stone cottage, Victorian semi or terrace, 1970s-style bungalow and demonstrate how they could significantly improve its energy performance to make it a more liveable, future-ready house. This could be in the form of drawings and/or models with accompanying written explanation of the key design principles used, in bullet points. It would be particularly relevant if the design idea had scope to be replicated at scale in order to "up-grade" a significant proportion of properties on the Isle of Man. An indication of how much it might cost to implement is expected, as well as a description of what benefits may be expected to the property owner.

## Eligibility

It is proposed the competition would be open to any Isle of Man based architect, business, individual or student.

## Prizes

Shortlisted entries would be promoted in advance of the overall winning entry being announced at the Biosphere Awards 2019. The winner will receive £5,000, a trophy and the winning design or concept will be made into a small scale model making use of a 3D printer.

## Judging

Judging will be undertaken by a panel including representatives from Government and industry.

## Judging criteria

This is likely to include:

- Meeting the brief
- Replicability
- Potential for widespread commercial application on the Isle of Man

Other areas of consideration:

- Style and overall design
- Impact on householder
- Innovation
- Cost effectiveness

## Other considerations

Copyright will remain with any entrant. However, by entering this competition, you agree to DEFA and its third party partners using your idea concepts and images for possible exhibition, publication or promotional use.

Please send your ideas to [energysave@gov.im](mailto:energysave@gov.im)