New Buildings

Jobs

■ 😭 🧦 ... | Send to friend

Diary

The Carbuncle Awards

Newsletter - Links - Advertise - Contact Us - Cookies

Magazine

Home > News > May 2013 > Self-sufficient Dumfries & Galloway farmhouse unwrapped

Self-sufficient Dumfries & Galloway farmhouse unwrapped

Blogs

News

May 13 2013

Home

A fully self-sufficient 'eco farmhouse' has been unwrapped by Mark Waghorn Architects in Moniaive, Dumfries & Galloway. Built for the Gourlay family, who have been tending land in the Cairn Valley for three generations, the custom built home is intended to embody a range of green business methods which they have introduced on their farms.

Directories

Three Glens stretches to 450 sq/m of space and includes five bedrooms for the use of family, staff and guests and is intended to act as a place to inspire and inform the approach of others to sustainable design.



Features

This approach begins with the exterior finish of

the property which blends with the landscape through use of natural materials and forms; including an oak exterior, dry stone wall, sheep's wool insulation and turf roof.

Interiors continue this theme with reclaimed railway sleepers serving as floorboards and furniture, cow hides used for upholstery and artworks commissioned from local artists used for decoration.

Solar energy, wind power and bore holes combine to make the home fully energy efficient and a raft of energy saving features have also been built into the design including a ventilated glazed area linked to the laundry for clothes drying and a naturally cooled food store and a wood burning kachelofen masonry heater used for heating.

Project architect Mark Waghorn said: "On my first visit it was immediately apparent to me where the house should be positioned. The copse of trees and outcrop of rocks were a natural frame for the building, with the existing external dry stonewalls connecting the house to the wider landscape and rooting it to the site

Neil Gourlay added: "I've always had the ambition to build a house. We just thought that if we were going to do something, we should make it interesting, different and as environmentally friendly as possible.

"I regard myself as a custodian of the countryside. I want what I leave behind to be more, and in better condition, than what I took on."



An on site 34m turbine generates enough electricity to power 25 homes



Architects had to balance the requiremnts of a home with those of the business





Craftsmen were employed to create functional One 100 m bore hole supplies water that is UV furniture from material such as railway sleepers filtered for drinking and heated for washing and showering by using thermal solar panels



Paying guests will be served meals made with locally sourced ingredients



Stones from nearby fields were used to form a feature dry stone wall



Be the first of your friends to like this.

Post your comments

Your name (required)

Your email (not displayed)

Comments (required)

All comments are pre-moderated and must obey our house rules.

© Urban Realm Ltd. | Terms & Conditions of Use | Links | Advertise | Contact Us | Privacy Policy & Cookie Information

Submit comment

Read next: Shotts Giant stands tall at revamped cross Read previous: UK's first sexual assault centre completes

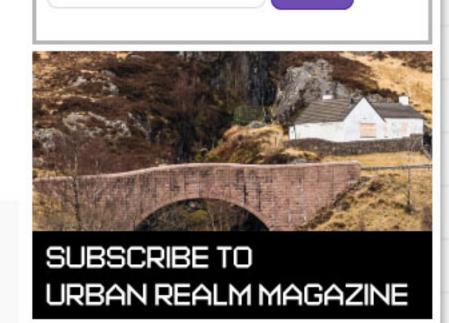
Back to May 2013

- Home
- Directories
- New Buildings
- Blogs
- Diary
- News Features
- Magazine
 - o Current Issue
 - o Forthcoming Issues
 - Background
 - o Advertise with Us o Link to Us
 - o Subscribe





News Archive	
2013	
May	
April	
March	
February	
January	
2012	
2011	
2010	
2009	
2008	
2007	
2006	
2005	
2004	



search

Features & Reports

Search News

News

For more information from the industry visit our Features & Reports section.