

Natural Energy Efficiency and Sustainability (NEES)

Best Practice in Products and Services

1. Service Description: We provide a complete range of architectural services for individuals, businesses, organisations and community groups. We offer a flexible consultation process from the discussion of preliminary ideas and project initiation to design development and construction management. We can provide a complete or partial service, according to individual needs.

2. 'Natural' and/or 'recycled' content

The choice of building materials is central to our design approach. We work, as far as possible, with local and/or renewable and natural materials, such as timber, stone, lime, clay, sheep's wool, straw bales and hempcrete. When choosing materials other than these we consider:

- Energy required during manufacture or processing
 - Energy required during transport to the building site.
 - Planetary resources
 - Robustness and fitness for purpose
 - Maintenance Issues
3. Percentage of the product processed and / or manufactured in the NPP region

4. Recyclability / biodegradability

An ecological approach to architecture and building considers, from a technical point of view:

- Sun Energy and all Re-Newable Energy Sources
- Finite global Construction Materials resources
- Local Resources and Processes
- Water
- Biodiversity
- Soils
- Decay and Wastes

5. Contribution to energy efficiency in buildings

Before considering energy SUPPLY we aim to reduce energy DEMAND by careful building design.

Using Passive Solar Design principles, high levels of insulation and natural cooling techniques, the reduced amount of energy required is efficiently supplied by the appropriate choice of Renewable Technologies for particular situations.

These include:

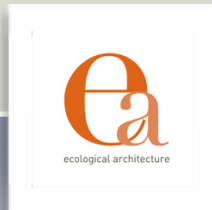
- Solar Panels
- Photovoltaic Cells
- Biomass Boilers and Stoves
- Wind Generation
- Hydro Generation
- Geothermal (Heat Pumps)

6. Lifespan

7. Costs – Service and maintenance

8. Examples of usage

Can be found on this sheet and website



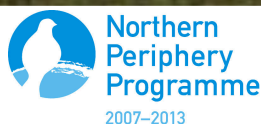
ECOLOGICAL ARCHITECTURE



Ecological Architecture

We have been researching, teaching and practicing ecological architecture since the mid 1980's.

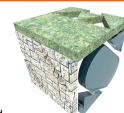
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