

'SEED'* Building Package

* **S**ustainable, **E**nvironment-friendly, **E**nergy-efficient, **D**evelopment
(SDI introduced this acronym in 1995)

Sustainable Design Solutions are appropriate to local geography, social need, climate, economy and culture and are 'person-centred' and 'reliability-based'.

Sustainable Design International Ltd. is very interested in the commercial, practical, and affordable application, i.e. non-research, of **Advanced Systems of Construction** (new-build small/medium/large scale projects, and existing), which:

- have a **Minimum Life Cycle of 100 Years** (see separate guidance note on 'Building Life Cycle') ;
- are **Intelligent**, **Electronically Mature** and facilitate **Remote Building Management** ;
- can be shown to be **'Fit for Their Intended Use (in the Location of Use)'** by CE Marking, using EN's & ETA's (refer to Part D of the Irish Building Regulations and similar requirements in other European national building codes, European Union Safety at Work and Product Liability Legislation) ;
- are **super energy-efficient**, with negligible thermal bridging and accidental air seepage and promote and encourage, by design, **energy conservation** ;
- have a substantial component of **renewable energy & heat** technologies sufficient to return a multiple of the building's energy consumption to an Intelligent District or Regional Grid (see separate guidance note on 'Positive Energy Buildings') and also **recycling, rainwater re-use and waste management** technologies ;
- offer a high level of **indoor air quality**, including protection from radon ;
- are **flexible** and **adaptable** with regard to internal layout, and **accessible** for people with activity limitations - in order to extend building life cycle ;
- contain, as standard, a **domestic sprinkler system** for fire protection ;
- are set in **sustainable landscaping** with **life cycle sustainable drainage**, and exhibit a considered relationship between interior and exterior ;

and

- can be **competently built** and **reliably completed** to project programme and cost estimate with **'real' performance-in-use** tested.

For traceability, we wish to link directly from our WebSite to Supplier WebSite(s). It is important, therefore, that those WebSites are well designed, technically informative and contain (some !) English.

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