

Renewable Energy and Environmentally Sustainable Design Case Studies

Dender Mesta Village - ESD

Site: Ethiopia

Dates:

- Concept Design Commencement: June 2005

Client: Hope for Children (NGO)

Project Goals:

Create an environment where AIDS orphans can learn, grow and thrive in a supportive environment whilst still retaining strong links with the wider community.

Project Features:

The Dender Mesta village provides an excellent opportunity to incorporate sustainable ideas and technologies in a form appropriate for the local climate and community. Concepts that are cost-effective, suit the situation, enhance the living standard and reduce running costs were recommended.

The systems (including the buildings themselves) have been selected because they are easy to install, easy to maintain and easy to replicate. The concept recognises the village's potential to be a flagship building project, providing an exemplar of how other developments can reconcile all aspects of sustainability: ensuring it is at once environmentally, socially and economically sound.

The village can be a model of water and energy efficiency, providing healthier, more productive and more comfortable living, in a safe and economically viable manner.

Project Team:

- Jennifer Donovan, Director, Inclusive Design
- Stephen Ingrouille, Principal, Going Solar

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Potential Residents



Aerial Perspective



Village Plan



Central Area



Children's Play Area