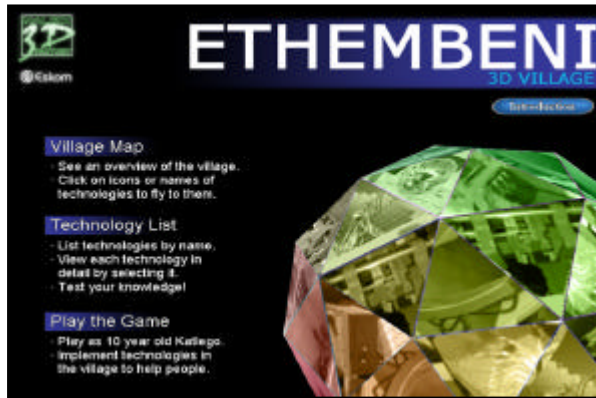


# the Naledi3d Factory Sustainable Technologies from Eskom / TSI (2002)

**Purpose:** To deliver interactive visualisations of selected ESKOM / TSI community-based technologies with three main purposes: (1) to demonstrate visually the technologies to communities as well as training on their use; (2) as a demonstrator to potential funding agencies and other stakeholders; and finally (3) for use at the Johannesburg World Earth Summit's Ubuntu Village.



**Partner:**  
Eskom / TSI

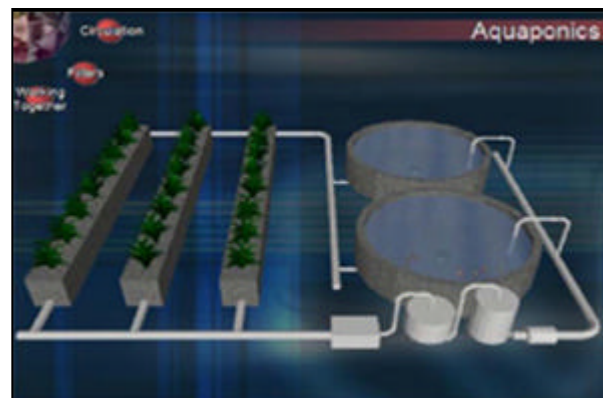


### In a Nutshell:

Introductory web page providing the main interface and three ways of accessing the visual content and simulations – either to visit the Ethembeni Village; view and access each of the eleven technologies; or play the game where the user can play with each of the technologies in the Ethembeni village context.

### The Community based technologies - unpacked:

The technologies demonstrated in Ethembeni - Place of Hope - include **(Business)** Aquaponics and the plastic moulding machine; **(Water)** heat barrow; sand filter; reverse osmosis and ozone; **(Energy)** the Dish Stirling; Biomass Gassifier; a low cost stove and solar cooker; and **(Health)** telemedicine as well as the UVGI sanitizer.



### Some details:

The main interface is browser based, with underlying navigation pages, interactive technology content and a game developed in EON Studio. In the game, the user is represented by Katlego, who walks around the village and introduces the technologies to her community. The user learns about the technologies whilst playing – a powerful feature of virtual reality.

