the Naledi3d Factory
Concentrated Solar Power (CSP) project (2003)

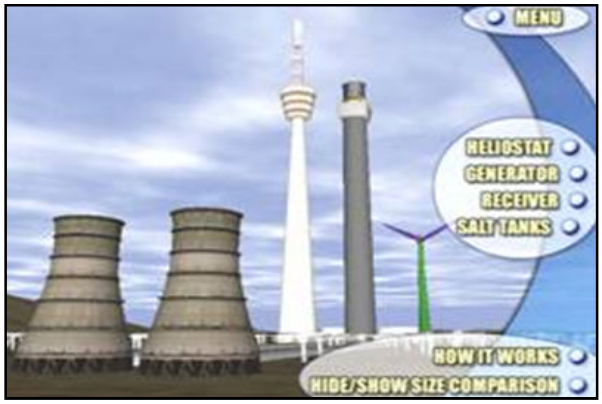
Purpose: To show the functionality as well as the main components of the CSP system; which would be typically installed in a dry, desert environment. Large CSP installations can generate electricity beyond 300 Mw per hour, cleanly and efficiently and cost effectively. This project is another example of the Naledi3d Factory Plan Communicator concept.

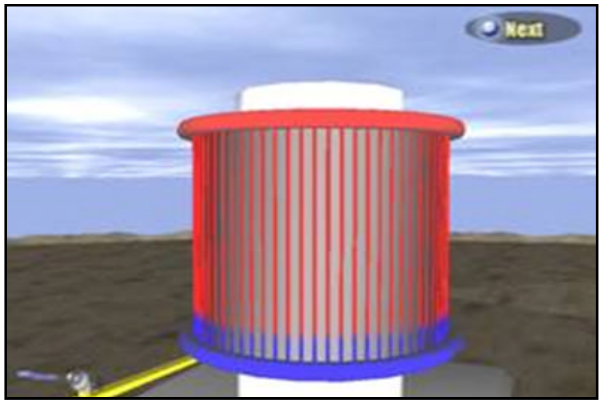
Partner: **Eskom**	Eskom

In a Nutshell:
The main objective for the project was to help raise stakeholder awareness and demonstrate the concepts involved in generating electricity through this new exciting technology.

The VR model and interface:

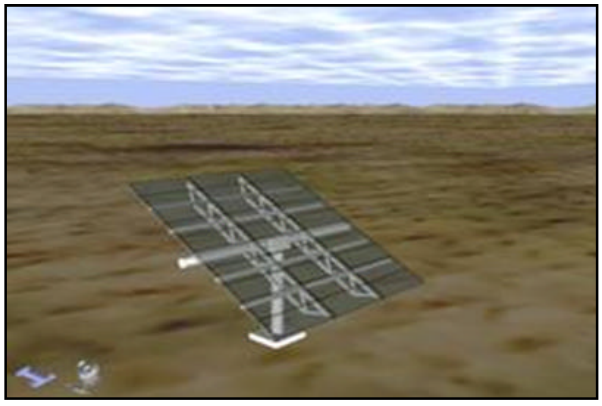
The VR model was developed using EON Studio. The model can be "walked through" manually; or triggered as a set fly-through. Narrative describing the main components was included, but is turned off by default. Areas of interest can be viewed interactively with some elements shown as pre-rendered animations.

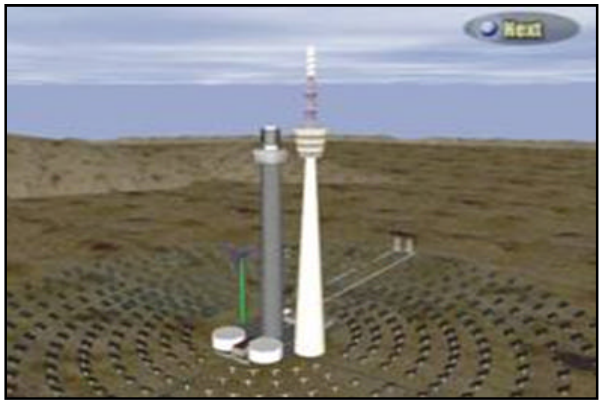




Functional detail:

The user can choose to view how the CSP works, view more detail on each component or get a feel for the size of the plant. The detail section shows the various components of the CSP plant; allowing the user to view (1) the heliostat; (2) generator; (3) receiver; and (4) salt storage. On start-up, the user can fly over the whole plant; manual navigation is possible throughout the model by using the mouse.





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