

NTU to build renewable power grid

A micro-grid that combines renewable power from the sun, wind and sea will be built offshore on the Semakau Landfill.

The demonstration grid is expected to produce about 1 megawatt of power. That is enough for small islands and villages, and can act as an emergency power supply for cities. It would be able to power about 250 four-room HDB flats.

The project is expected to attract \$20 million in projects over the next five years, in addition to an initial \$8 million investment in the grid infrastructure. Nanyang Technological University (NTU) will build the grid and work with 10 multinational companies to develop the technologies required.

NTU, the 10 companies and the Sustainable Energy Association of Singapore signed a pledge yesterday at the Singapore International Energy Week to work on the grid. The project will also be supported by the National Environment Agency and the Economic Development Board.