

# Renewable Energy and Environmentally Sustainable Design Case Studies

## Mausoleum – Solar Lighting

**Site:** Werribee, Victoria

**Dates:**

- Design Phase Commencement: June 2006
- System Installation and Commissioning: July 2006

**Client:**

Private Client

**Project Goals:**

Supply extra low voltage DC Solar lighting in the family's mausoleum with minimal alterations of the existing building.

To avoid being haunted after working in a cemetery for 2 days.

**Project Features:**

Installation of three energy efficient compact fluorescent DC lights powered by photovoltaic panels, as mains power could not be used inside the cemetery. One light is on a timer to run for 9 hours a day and two lights are on a switch to be used as required.

Challenges were working with concrete and around sensitive statue and marble fixtures.

Installers were perpetually blessed and forgiven of all sins.

**Project Team:**

- Duncan Macgregor, System Designer and Installer, Going Solar
- Joleen Hess, System Installer, Going Solar

**Further Information:**

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**Panels on Upper West Corner of Concrete Roof**



**PV Cables through the Cross**



**Lighting and Battery/Control Box inside the Mausoleum**