



<b>Name:</b>	Perth Zoo 90KW Solar System	<b>Client:</b>	Sunpower
<b>Site Location:</b>	South Perth, Western Australia	<b>Year Completed:</b>	2011

**Project Description:** The Perth Zoo 90KW Solar project is Stage 1 of a total 250KW Solar Station located on various buildings across the Perth Zoo.

The size and complexity of this system meant that numerous individual PV Solar arrays were installed across a number of animal shelters, enclosures and office buildings.

- Technical Highlights:**
- 90kWp Grid Connected PV Array
  - 300 x Sunpower 300W panels across 5 different buildings
  - 16 x SMA SMC10000TL
  - Remote Monitoring System

**Technical Initiatives:** The reptile centre required a 30KW PV array to be mounted on a curved shelter roof requiring a complex framework design.

The site also required ODG to work closely with the Animal handlers to enable safe installation of the system by working within tight logistical timeframes

**Key Personnel:** Darius Johnson – ODG Operations Manager  
Chris Hannaford – ODG Project Manager  
Richard Crane – ODG Leading Hand.