

Sustainability Case Study

This 27,000m² office building has already achieved above benchmark sustainability ratings, with the Federal Government and ISPT now collaboratively seeking to improve the ratings.

18 Marcus Clarke Street
Canberra ACT

4 star rating



Overview

The eye catching design of 18 Marcus Clarke Street is reflective of Walter Burley Griffin’s original geometric plan for the City of Canberra and was designed to relate to nearby older buildings in the ANU campus whilst presenting a modern composition.

The carefully crafted façade elements assist in reducing the scale of the building and articulating the form as it follows the curve of the street frontage. Expansive window treatments, including a sill height set at 450mm, were designed to take advantage of the primary view corridors over ANU and provide a connection to the surrounding environment for tenant employees.

Aspirations and Achievements

Completed in June 2006, the building is fully occupied by the Department of Agriculture, Forestry and Fisheries (DAFF) and has achieved 4 Star Green Star Design rating from the Green Building Council.

Subsequent specialised building tuning and customisation programs for all plant and equipment by ISPT’s engineering team and our service providers enhanced environmental efficiency significantly, achieving 4.5 Star Base Building NABERS Energy rating and a 4 Star NABERS Water rating.

Going forward ISPT is targeting a 4.5 star Whole Building NABERS Energy rating for the combined base building and tenancy premises as part of the ongoing Environment Management Committee run in partnership with our tenant.

Key Sustainability Features

18 Marcus Clarke Street incorporates a number of key sustainability features including:

- Passive design measures to minimise energy consumption and create a healthy workplace;
- High efficiency chillers, VAV air-conditioning system incorporating swirl diffusers;
- Post completion customisation and building tuning of the integrated building management control system;
- Low VOC products and CO² monitoring and control;
- High efficiency T5 fluorescent lighting with integrated controls;
- Centralised web/3G based utilities monitoring system “Hydroshare” that includes automated leak detection and maintenance request alarms;
- Reduced potable water consumption through highly efficient fixtures and fittings, rainwater harvesting and fire test water recovery; and
- Secure bicycle racks and change rooms.

Proudly in partnership with:

Knight Frank and AG Coombs for building tuning.

