ENERGY EFFICIENT LIGHTING | POWER MANAGEMENT | SOLAR | HVAC AND MECHANICAL | SYSTEM EFFICIENCY

ensol

ENERGY NEUTRAL SOLUTIONS

LOGAN CITY COUNCIL

CASE STUDY:

Queensland Council removes 80% of the window heat load from their staff common area .

Summary

Through an enquiry to the US manufacturer, ENSOL Systems contacted Alan Wilson from Logan City Council who was having a window heat load problem in their staff common area. Staff had been complaining of excessive heat in the area and had stopped using the area.

Challenge faced

In the initial site audit at 3:00pm in the afternoon in March a temperature reading took place to see what the heat transfer was indicating on the glass. The ambient temperature in March 2017 was 26 degrees centigrade.

The temperature on the glass was found to be 37 degrees centigrade with the aluminum mullions reading 45 degrees centigrade.

INFLECTOR

Solution

ENSOL Systems contacted their Queensland distributor Energy Neutral Solutions in conjunction with Hayman's who while they can supply standard blinds and panels specialize in difficult installations.

Because the glass was configured in a 'Z' layout it was agreed that Inflector would be installed in the same configuration but sitting 50mm off the glass to trap and turn the heat before it could enter the area. .

Results

The results where spectacular, with the customer stating how completely different the area felt with staff saying that the area had significantly cooled down.

The area is now being used continuously by staff.

INFLECTOR – WINDOW INSULATION & SOLAR SHADES.