

New Energy Efficient Daylighting Technology - Environmental Protection Agency, Toowomba QLD



The Environmental Protection Agency has already developed the first 5 star building in Queensland, with a site in Cairns. The latest facility to undergo a sustainable transformation is the regional office in Toowomba, Queensland. Situated on the top floor of a two level building, restrictions imposed by fire boundaries meant that installing additional windows was not possible. In any case, the space, measuring just under 1000m², is, for the most part, a cubicle office layout that extends deep into the room, making it difficult for windows alone to effectively transmit daylight to all workstations.

Objective

As well as reducing their carbon footprint EPA were looking to create a healthy and sustainable work environment for their employees. Previously, there was a slightly gloomy atmosphere due to poor lighting and the lighting conditions were further compounded by the lack of windows in the office.

Products Used

32 Solatube® 530mm Daylighting Systems with square Optiview® Diffusers and Daylight Dimmer™ Kits were used in office and boardroom spaces, while 3 vented Solatube Infinity 400 were installed in staff bathrooms.

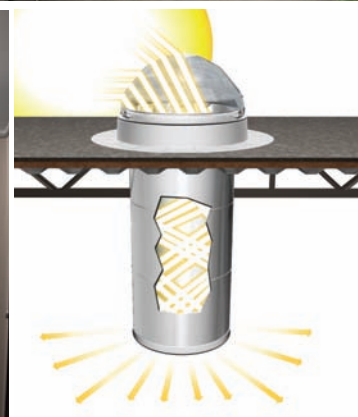
Solution

Solatube's daylighting systems were specified in the office, media/boardroom, and restroom areas of the premises, measuring just under 1,000m². Highly effective daylight is evenly dispersed throughout the space, complementing the natural light coming from the windows. The Daylight dimmers enable users to easily control the amount of light entering the room with the convenience of a switch.

Testimonial

"I no longer need to have the light on in my office at all and having natural light compared to artificial light makes a big difference. The indoor plants that have been brought in as part of developing a greener working environment also seem to enjoy the natural light."

Chris Hill, EPA Regional Manager, Western Region - Environmental Services



Additional Commercial and residential case studies, as well as Daylighting fact and figures can be provided upon request. Please contact us should you require any further information.

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