

## AUSTRALIAN COMMERCIAL PROPERTY HAS ENTERED A NEW ERA IN WHICH SUSTAINABILITY AND DESIGN MEET

Tracking and calculating the Sun's Angle of Incidence (SAI)\* in combination with new shading device technologies has significantly reduced the energy footprint of buildings. By integrating intelligent control of the façade's louvers and sunshades into the building management system, microprocessors ensure the shades and louvers adjust according to the angle of the sun, ensuring the exact position required to achieve maximum heat and light control. The Horiso® Dynamic Façade Controller uses BACnet\*\* protocols which ensure easy integration with all other building management systems. Such systems can be combined and remotely controlled and monitored from any location with a unique Graphic User Interface (GUI). Until Australian blind manufacturer, Horiso® developed the first Climate Ready Dynamic Façade, the only alternative was the legacy system which relied on an astronomical clock that used an aggregate history of Australian sunlight statistics over the past 10 years and set the sunshade monitor to rotate at the same time of the day, every day. This revolutionary system comes from Horiso®, an Australian-owned manufacturer of solar control systems and specialty blinds since 1995. Their range of internal and external solar control solutions are perfectly suited to the commercial, hospitality, institutional, and residential sectors.

\*Sun's Angle of Incidence: the angle that a ray (of solar energy, for example) makes with a line perpendicular to the surface. For example, a surface that directly faces the sun has a solar angle of incidence of zero, but if the surface is parallel to the sun (for example, sunrise striking a horizontal rooftop), the angle of incidence is 90°.

\*\*BACnet (Building Automation and Control networking protocol) is a non-proprietary protocol used by building management systems that has been designed specifically to meet the communication needs of building automation and control systems for applications such as heating, ventilation and air-conditioning control, lighting control, access control, as well as fire detection systems and their associated equipment.

### FOR MORE INFORMATION

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