

Solar Powered walkways in CBDs

Transportation is the third highest source of carbon emissions in Australia. CBDs have tons of traffic and the building dense area makes the temperature hotter than the surrounding landscape. This is known as “heat islands” and increases the demand for cooling of buildings and increases emissions of air pollutants and greenhouse gases.

My idea is to have transport free zones in CBDs and install solar powered moving walkways. This way people can still move through the CBD quickly but without using cars. The moving walkway has an awning covered with solar panels to power the walkways and would also provide shade and rain protection for the people. Excess wattage collected could be used to power the nearby buildings. The walkways would be accessible for everyone with ramps and breaks to allow people to get on and off easily.

These walkways would reduce emissions caused by vehicles and also reduce energy consumption by using solar power instead of fossil fuels. The unused road would be converted into greenspace with plants to absorb the carbon emissions and improve air quality and keep the overall temperature in the area cooler. This would mean less gas emissions, less air pollutants and less greenhouse gases.