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SYDNEY'S E-PAPER ROAD SIGNS ARE SMART AND ENERGY EFFICIENT

  TELECOMMUNICATIONS

The Australian Road and Maritime Services recently installed Visionect's smart e-paper technology into road signs across Sydney.

Electronic paper signs that run on sunlight consume up to 99 percent less energy than their LCD counterparts, so it was only a matter of time before cities began using the technology to power road signs. The first to do so is Sydney, Australia, whose Road and Maritime Services recently installed Visionect's **e-paper signage** across the city.

The new eco-friendly wireless signs are connected to the Internet of Things and display changing road information, keeping drivers informed with relevant updates. They are solar powered and therefore 100 percent self-sustainable and not susceptible to problems such as power cuts. They use little power because they only connect to 3G at pre-scheduled 'wake up' times, when they receive new information via Visionect's software. The signs are visible in bright sunlight — the electronic ink used is the same as that used in e-book readers and smart watches. A front panel light triggered by diminishing light levels makes them just as readable at night.

What else could e-paper be used for?

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