

# Media release

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## Collaboration a dazzling success: LED motion detector produced

A partnership between two very different Australian companies has resulted in the creation of a new type of light-emitting diode (LED) motion detector product for the security and safety sectors.

Canberra-based emerging technology firm Perimeter Security Industries (PSI) and leading Sydney floor covering firm General Mat Company have been collaborating on the development of a manufacturing process for a new LED sensor mat for about eight months.

The formal partnership agreement they signed on 16 March 2015 has been tremendously successful, with PSI's LED sensor system now incorporated into one of the General Mat Company's heavy-duty industrial floor mats.

PSI Chief Executive Officer Ian Bergman said, "The SecureMat technology uses microprocessing and unique algorithms to monitor disturbances caused by people movements. It works by sending light from an LED along a mesh of plastic optical fibre (POF) embedded in the mat. Whenever a person steps, stands, walks, runs, trips, slips or falls on the mat this disturbs the light flowing through the POF and triggers an alarm, which is relayed to an alarm panel. The alarm panel can be configured to send an alarm to a back-to-base monitoring bureau, a mobile phone or a home phone. Unlike other motion detectors, the LED sensor mat is not affected by disturbances such as birds, insects, small animals, wind and rain and operates with 100% detection rates and no false alarms."

"The industrial floor mat the SecureMat technology has been successfully embedded into is the General Mat Company's Safety Alert Sponge Coat. It's a proven anti-fatigue, slip-resistant mat manufactured from heavy-duty, hardwearing PVC that is also insulated from cold and damp."

He explained that the new LED sensor mat product has been designed specifically for factories and warehouses and said that it comes in two different varieties.

"The High Alert Sensor Mat is the all-black, security variety that operates invisibly. That's the one that looks like any other heavy-duty industrial floor mat. It's very suitable for covert operation in a security protection setting. The other variety – the Safety Alert Sensor Mat – comes with high-visibility yellow edging. It stands out on the factory or warehouse floor, making it suitable for industrial safety situations."

**CONTACT:** Security and safety solution seekers are invited to call Ian Bergman on mob. 0457 123 852 or visit [www.perimetersecurity.com](http://www.perimetersecurity.com) or [www.sensormat.com.au](http://www.sensormat.com.au) for more information about the new LED sensor mat product.

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