

Media release

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LED sensor mats on display in Sydney

Early adopters of new technology can now see for themselves how an innovative new light-emitting diode (LED) motion detector product works.

Perimeter Security Industries Pty Ltd (PSI) and General Mat Company Pty Ltd are inviting anybody seeking a solution to an industrial security or safety problem to visit their showroom in Granville.

PSI Chief Executive Officer Ian Bergman said, “We are very grateful to Ross Calder, the General Manager of the General Mat Company, together with the Founding Director, David Freedman, for opening this showroom at their Sydney premises because it allows us to demonstrate a state-of-the-art combination of our SecureMat technology and one of their mats.”

Over the past year the two companies have collaborated on a manufacturing process for embedding an LED sensor system into an industrial floor mat. The collaboration has been successful and the result is a new LED sensor mat product that has been specifically designed for factories and warehouses.

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. It operates with 100% detection rates and no false alarms.

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

Mr Bergman said, “The new LED sensor mat product comes in two versions. The **High Alert Sensor Mat** is the all-black, security version that operates invisibly. That’s the one that looks like any other heavy-duty industrial floor mat. It’s what makes it suitable for covert operation. The other version – the **Safety Alert Sensor Mat** – is the one with the high-visibility yellow strips on the edges that make it stand out on the floor, making it suitable for safety operation.”

“Security firms will be able to install the black High Alert Sensor Mat in their clients’ factories and warehouses in places where access needs to be restricted during the day and overnight to protect their property and assets from theft and vandalism. Factory and warehouse managers will be able to use the Safety Alert Sensor Mat to stop their workers getting too close to dangerous machinery, processes or substances and being injured or even killed as a result.”

Security and safety solution seekers are invited to call Ross Calder at the General Mat Company on tel. (02) 9682 1999 or Ian Bergman on mob. 0457 123 852 for an appointment to see the new product.

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