

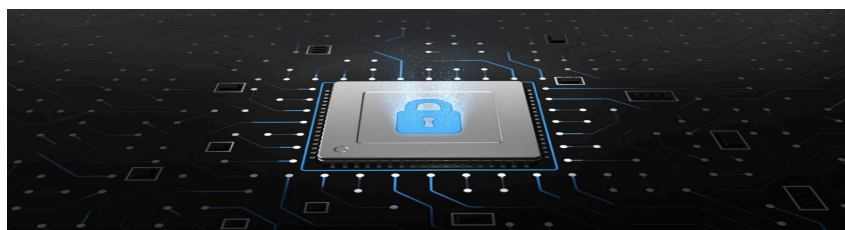
PreCog™: Physical Threat Detection

Real-time prediction, defence and response to criminal behaviour

PreCog™ is a crime intelligence solution that leverages IoT hardware sensors and A.I. to help enterprise organisations identify and combat damage to their businesses from shoplifting, in-store theft, burglary and violence towards staff.

PreCog™ is also for Law enforcement agencies seeking to locate criminals in real-time and to reduce costs, increase efficiencies and improve KPIs.

PreCog™ gives unique identities to mobile devices and captures and analyses their behaviour which can be linked to the owner of the device. This enables the presence of known persons of interest to be highlighted, located, and with behavioural profiling, criminality to be anticipated, identified and disrupted in real time.



Why use PreCog™?

- Take back control of crime in your environment.
- Protect people, profit and assets from loss and damage.
- Create a safer environment for visitors and colleagues.
- Low cost, high return functionality.
- Latest technology solution.
- Provides visibility into areas precluded by other solutions.
- Fully GDPR compliant.

Real Time

- Alert to previous offenders
- White list / blacklist
- Continuous threat assessment
- 24hr/ 365 data collection

Intelligent

- Continuous adaptive learning
- Automatic threat alerting
- Threat level activated responses
- Multi-location intelligence

Protection

- Colleague safety
- Collaborative ecosystem
- No blind spots
- Historic reconnaissance visits

PreCog™

Requires the deployment of a network of hardware each of which sends data to the Azure cloud **every 5 seconds!**

“PreCog™ adds a powerful new capability to protect and defend against the evolving threats to people and infrastructure”

Head of Security, National Infrastructure, UK.

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Real time threat analysis, identification & response

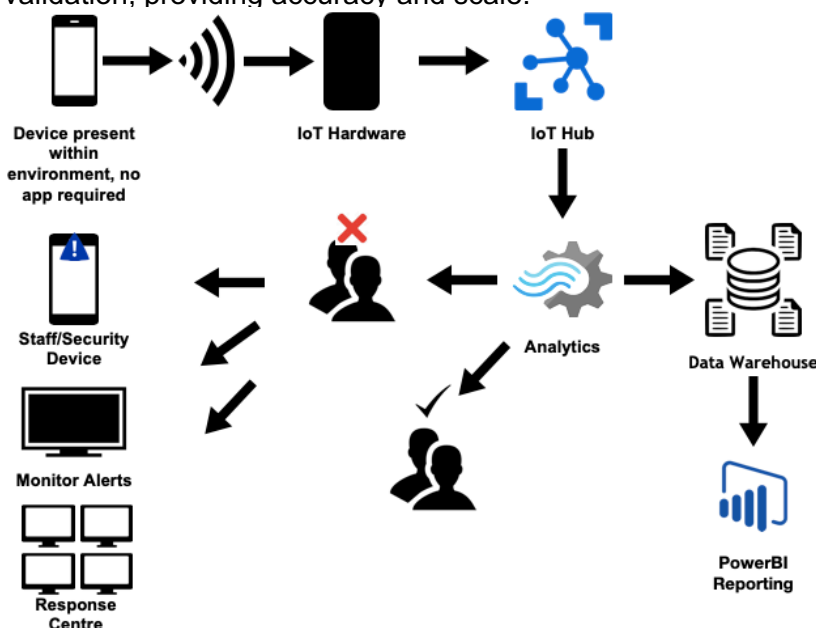
The first and only deployable Crime Intelligence Solution built with Microsoft Azure Sphere

Device to-device and device to-cloud communication through certificate-based authentication validation, providing accuracy and scale.

How it works

PreCog™ hardware is deployed in a zonal network. It collects data from radio emissions from mobile devices that enable each device to be given a unique identifier.

Together with a time, date and location stamp this data is encrypted and sent to a secured Microsoft Azure Cloud for analysis and modelling.



The outputs

Real-time responses to identified threats are sent from Microsoft Azure to stimulate customer side actions. These can be tailored to specific customer requirements. In addition, reporting and analysis is available via Microsoft Power BI which provides additional intelligence, evidence and management information.

Secure by design

PreCog™ is a new class of IoT device. Developed with support from Microsoft, it is built with Microsoft Azure Sphere at its core. This provides secure end to end protection of the data and the device against exploits. It features the seven properties of highly-secure connected devices which is essential when deploying security based IoT systems.

Highly secured, connected (IoT) devices require 7 properties



Next steps

To find out more www.panopticaedia.com or to arrange a meeting or a call sales@panopticaedia.com
Call now on 07554451751 or contact your Microsoft Sales Team

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