

Case Study

Intelligent Water Monitoring & Flood Prevention Solution



Project Specifics

Project Duration:

 24 months

Sector:

 Void

Services Provided:

 Leak & Flood Protection, remote monitoring, delivery tracking, 24/7 response

Our technology was deployed to our national security client to provide proactive leak and flood protection for a large commercial facility.

The project focused on reducing the risk of water damage by implementing an intelligent monitoring solution capable of providing early warnings of leaks, flooding and plant room failures before significant damage could occur.

The Problem:

A large commercial facility required enhanced protection against water ingress and flooding risks within critical infrastructure areas.

Particular concerns centred around plant rooms, feed tank systems and ageing mechanical infrastructure, where undetected leaks could result in operational disruption, costly repairs and damage to surrounding assets.

The client required an early warning system capable of identifying moisture issues quickly and accurately, allowing remedial action to be taken before problems escalated.

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The Solution:

Following a detailed site assessment, Sentinel monitoring technology and wireless leak detection sensors were deployed across multiple high-risk areas, including plant rooms and critical infrastructure spaces.

Each sensor was individually monitored and configured to provide precise location-based alerts, enabling rapid identification of potential leaks or flooding incidents.

The system was designed to deliver continuous monitoring and early warning notifications, helping minimise the risk of water damage and operational disruption.

Outcome

The solution provided reliable early warning protection against leaks and flooding across critical areas of the facility.

By delivering real-time, location-specific alerts, the system improved response times, reduced potential risk to infrastructure and provided greater confidence in the ongoing protection of the site.

