



CHAMBER MONITORING SOLUTION

Securing your critical infrastructure

Building secure and future-proof networks



Executive Summary

Chambers or manholes are commonly used in telecoms, utilities and transport sectors to store critical infrastructure. Cases of thefts, vandalism and sabotage of these chambers aren't unheard of. Monitoring activities in these chambers isn't an easy task either. Chamber security is expensive and Novegen's advanced **Chamber Monitoring system** addresses these infrastructure security breaches. This solution provides real-time monitoring and instant alerts when an underground chamber is accessed, enabling organisations to respond proactively and mitigate potential risks.

The Chamber Monitoring Solution leverages IoT powered sensors and cloud-based technology to provide real-time alerts and centralised monitoring. By preventing theft and unauthorized access, businesses can significantly reduce operational downtime and financial losses.

As industries face increasing security threats, the Chamber Monitoring Solution delivers an innovative approach to protecting critical infrastructure through real-time intelligence and proactive risk management. With scalable deployment options and seamless integration capabilities, the Chamber Monitoring solution caters to the evolving needs of telecoms, utilities and enterprise sectors.

Safeguarding Critical Infrastructure

Ensuring critical infrastructure is secure is vital to maintaining operational stability, safety, and efficiency. Without proper monitoring, issues like equipment failures, environmental hazards, and unauthorised access can lead to costly downtime, service disruptions, or even safety risks.

Novegen's chamber monitoring solution plays a key role in proactively identifying potential threats, providing real-time alerts, and optimising maintenance, ultimately safeguarding infrastructure.

Key Features



**REAL-TIME
ALERTS**



**24*7
MONITORING**



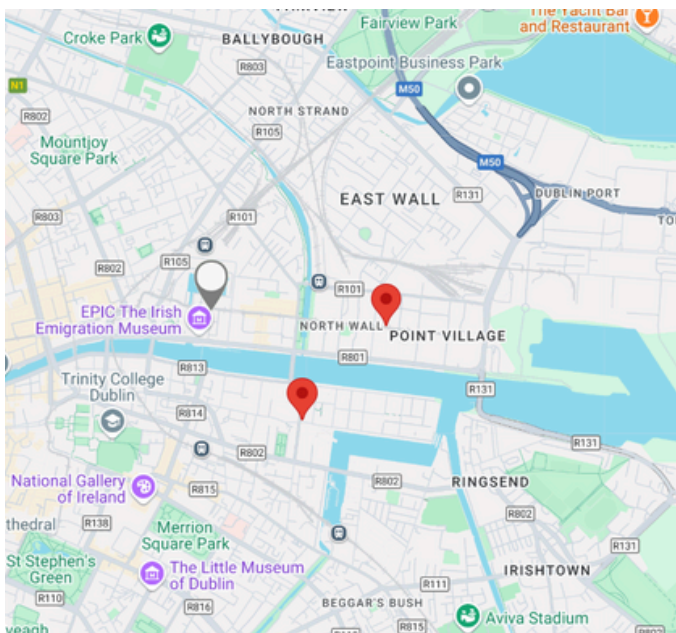
**ENHANCED
SECURITY**



**COMPREHENSIVE
COVERAGE**



COST-EFFICIENT



Armed	11/2/24, 9:15 AM	Data	Sigfox	684	▼
HIT	10/22/24, 7:32 PM	Data	Sigfox	666	▼
Armed	10/22/24, 10:26 AM	Data	Sigfox	665	▼
Armed	9/28/24, 10:59 AM	Data	Sigfox	628	▼
Probably OK	7/17/24, 12:24 PM	Data	Sigfox	452	▼
Moving	7/17/24, 12:23 PM	Data	Sigfox	451	▼
Moving	7/13/24, 7:29 PM	Data	Sigfox	427	▼
Moving	7/13/24, 11:31 AM	Data	Sigfox	422	▼
Probably OK	7/13/24, 10:43 AM	Data	Sigfox	421	▼
HIT	5/31/24, 9:30 PM	Data	Sigfox	223	▼
Moving	5/31/24, 2:13 PM	Data	Sigfox	219	▼
Moving	5/30/24, 10:43 AM	Data	Sigfox	213	▼
Moving	5/30/24, 10:43 AM	Data	Sigfox	212	▼
HIT	5/30/24, 10:43 AM	Data	Sigfox	211	▼

SOLUTION DASHBOARD

Use Case

Telecoms

Copper and fibre optic cables are critical for maintaining seamless communication networks. However, these underground assets are vulnerable to cable theft, vandalism, and general sabotage.

Our chamber monitoring solution provides real-time alerts whenever a chamber is accessed or movement is detected, helping telecom operators prevent disruptions and maintain network integrity. With remote monitoring capabilities, operators gain full visibility into their infrastructure, reducing response time and operational costs.

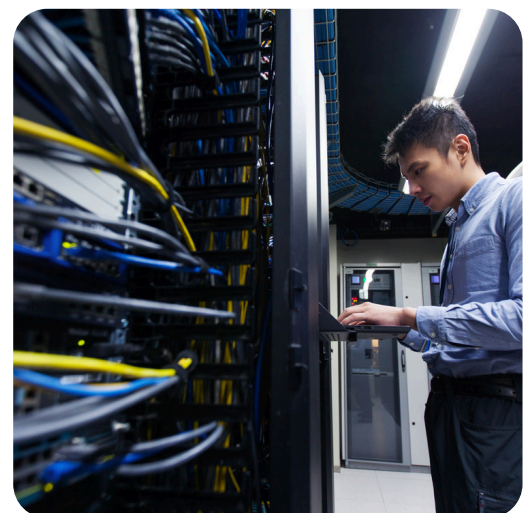


Utilities

Water, gas, and electricity infrastructure rely on underground chambers to house critical equipment and pipelines. Unauthorised access can lead to service interruptions and safety hazards. Our proactive solution can help utility providers ensure security and service reliability.

Transport

Transport networks, including rail, road, and aviation, depend on secure underground infrastructure for power distribution, signaling, and communication. Unauthorised access or tampering in these chambers can cause major disruptions, delays, or safety risks. Our monitoring system delivers instant alerts on any unauthorised access,



Data Centers

Data centers house mission-critical infrastructure that requires constant monitoring to prevent downtime. Underground fibre optic connections, power supply lines, and cooling systems are vital for smooth operations. With real-time alerts unauthorised access can be prevented.



Contact Us

Secure your critical infrastructure today. Get in touch with our team and understand how our solution can help you save thousands.

 +353 (0) 19058038

 info@ngn.ie

 www.novegen.com

[novegen.com](http://www.novegen.com)