

# Saving Water with Smart Technology

Gutermann prevents water loss with Vodafone NB-IoT







## Preventing water loss before it happens

Water is one of the world's most precious resources, yet millions of litres are lost daily due to leaking infrastructure.

Gutermann is a global leader in acoustic leak detection. Their mission is to help cities and utilities detect water leaks early—before they cause significant loss or damage.

With Vodafone NarrowBand IoT (NB-IoT), Gutermann found a reliable connectivity solution that offers long battery life and deep underground signal penetration. This partnership has enabled smart water monitoring at scale and helped combat the global issue of water scarcity.





## A critical challenge for utilities

According to EurEau, 25% of Europe's drinking water is lost through leaking pipes. Gutermann's battery-powered acoustic loggers monitor underground pipelines for signs of leaks—helping utilities take proactive action.

However, conventional 3G/4G networks were not up to the task: they consumed too much power and couldn't reach underground devices. Gutermann needed a connectivity partner with a utility-focused solution.

## A smarter solution with Vodafone IoT

In 2019, Gutermann launched the world's first NB-IoT-based leak detection system. By partnering with Vodafone IoT, they were able to adopt low-power connectivity consuming 5 to 10 times less power than 3G/4G, while ensuring strong signal penetration to underground sensors. Vodafone's industrial-grade SIMs also helped extend the operational life of Gutermann's devices in the field.

Vodafone IoT's extensive experience in the utilities sector provided added value, helping Gutermann deploy smarter, scalable monitoring systems.



## Delivering results at scale

Gutermann is driving smart infrastructure upgrades in cities across the UK, Europe and beyond using our extensive NB-IoT network footprint.

Thanks to NB-IoT, their devices stay in the ground longer and deliver accurate leak alerts—even in hard-to-reach areas. This translates into:

- Reduced water loss
- Lower risk of flooding or property damage
- Extended device lifespan and cost savings
- More proactive infrastructure management

## A partnership for the future

Gutermann's innovative technology, combined with Vodafone IoT connectivity, is transforming water management for the better.

As the world faces growing water scarcity and infrastructure challenges, this partnership proves how smart technology can drive real-world impact—sustainably, efficiently, and at scale.

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“With Vodafone NB-IoT, our sensors reach where others can't—deep underground, with minimal power usage. This is essential for enabling daily network monitoring.”

— Uri Gutermann, Chief Executive Officer



# Ready to take the next step?

Discover how Vodafone IoT  
can help your organisation  
reduce operational costs,  
improve efficiency, and tackle  
challenges like water loss with  
smart, scalable solutions.

**Learn more:**

[vodafone.co.uk/business](https://vodafone.co.uk/business)

