MODEL: NANOTECH

AR-DETECT

Portable on-site contaminant detection system for water monitoring in port areas, hydrographic reservoirs and rivers.

This tool allows health and administrative authorities to detect contaminants in water by means of a simple test on a water sample taken on site.
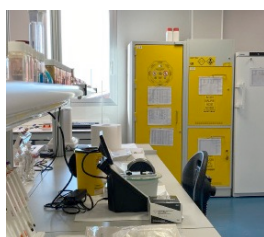
With its sample matching algorithm, the origin of the pollutant can be detected in situ; for example, in the case of a port area, it would be possible to identify the ship that discharged the pollutant into the waters of the port.

This equipment, through the use of amplifying nanoparticles, is capable of detecting contaminants at concentrations so low that they are undetectable by traditional spectrographic means.

Nanoparticle amplification

The use of amplifying nanoparticles makes the system capable of detecting contaminants at extremely low concentrations.

Detection accuracy

Highly reliable pollutant detection algorithm, in addition to indicating the pollutant with the highest level of similarity, provides the closest pollutants in % similarity.

Instant detection

Ability to match two different samples.

Enables authorities to determine the origin of the spill.

ALFARIVER