



Water Detection Textile Sensor

FEATURES:

- Water sensor for leak detection
- High sensitivity (4 ml)
- Fast reading
- Flexible
- Low power consumption
- Washable
- Max width 2 m
- Integrated temperature sensor
- self diagnosis system



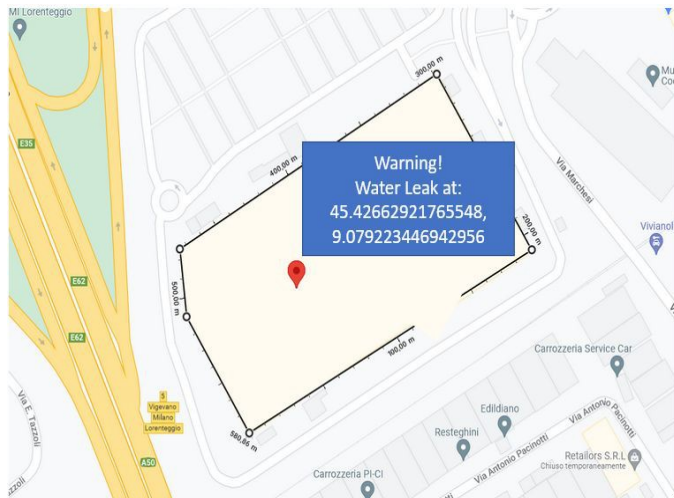
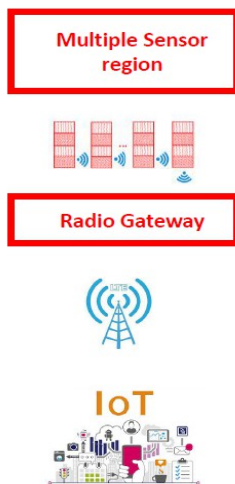
DESCRIPTION

The Water Detection Textile Sensor is an advanced textile layer able to detect any type of electrically conductive liquid present on its surface. This sensor is stretchable, and it is possible to sew it onto other fabrics, like bed pads. The sensor is made by skin compatible materials, and does not produce irritation when in contact with skin. It is fully washable with standard washing machines.

This sensor works as a switch. The switch is open when there is no liquid on the fabric. When the liquid is on the fabric the switch is closed.

This sensor can be used under the waterproof membranes of roofs to detect roof leaks with a precision of 2m x 2m. It is the only method that allows finding leaks when there is a layer of concrete on top of the waterproof membrane, for example when there is a parking lot on top of the roof.

It can also be embedded in concrete or plaster to measure humidity of walls.



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