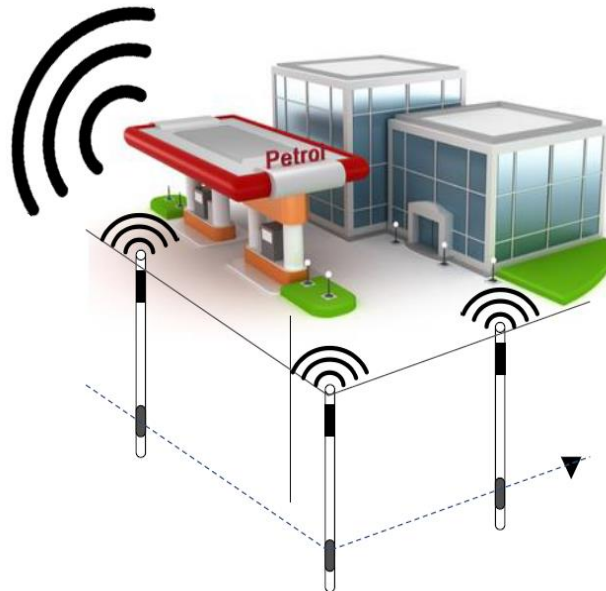


## FUEL LEAK DETECTION SYSTEM

Smart Sensor Technology presents its Wireless Fuel Leak Detection System, designed to be placed in monitoring wells that allows to 24/7 groundwater monitorization of any facility. Thanks to SST revolutionary devices, users can get “peace of mind” to focus on their core business. Leaks won’t be a problem anymore.

The system is easy to use, reliable, and effective. It has a modular design (a sensor, a radiofrequency communication device and a gateway) that allows it to adapt to different installations and facilities.



### Features

- Physical chemical sensors.
- Radiofrequency communication system.
- Smart Gateway.
- Local or Cloud based solution.
- Replaceable cartridges.
- 7 years lasting battery.
- Remote configuration.
- ATEX protection.
- Reliability.
- Easy installation.
- Maintenance free.
- No false alarms.
- Real time alarm

## Sensor

Detection device. Floats in the water air interface of the monitoring well, and detects the presence of free phase hydrocarbon. It fits monitoring wells from 2” onwards. Detection is performed by a physical-chemical reaction on its internal cartridge. Once a leak is detected, the cartridge can be replaced and the system is ready to be used again. It doesn’t need any kind of civil work nor maintenance.

<b>Dimensions</b>	40mm X 330mm
<b>Protection</b>	ATEX Zone I. IP 68
<b>Weight</b>	105 gr
<b>Detection</b>	Physical Chemical Reaction
<b>Cartridge</b>	Internal Cartridge Replaceable
<b>Reaction</b>	Free phase HC (Gasoline and Diesel)



## RF Communication Device

Radiofrequency communication module that reads sensor information and forwards it to the gateway. 7-year battery lasting robust device, with ATEX Zone I and IP68 protection. It doesn’t require maintenance nor civil works. “Plug and play” device with remote configuration. Distance covered (open air without obstacles) 1 km. It can use up to three repeaters to expand signal. Communicates in the free bands 868 MHz (for Europe) and 915 MHz (America and Australia).

<b>Dimensions</b>	98mm X 37mm X 45mm
<b>Protection</b>	ATEX Zone I
<b>Battery</b>	3.6 V Li. (7 years lasting)
<b>Civil work</b>	Not needed
<b>Communication</b>	RF Signal 868 or 433 MHz
<b>Transmission period</b>	Fully configurable
<b>Data reading</b>	Sensor status



## Gateway

The Smart Sensor technology Gateway receives information from sensors and manages it, activating the alarm when a leak is detected. Depending on client preferences, the alarms can be:

- Local: LED light, sound buzzer and NO/NC Relay with dry contact output.
- Remote (cloud based): thanks to its connectivity with a modem, the gateway will be able to send an email alarm when a leak is detected. It will be also able to upload data from sensors to SST cloud server (or client server) where the client will have access to a private data visualization software.



<b>Dimensions</b>	80 mm x 80mm x 80mm
<b>Communication</b>	868/433 MHz, 25/10mW
<b>Power supply</b>	5 V
<b>Networking</b>	Sim modem
<b>Communication Period</b>	Fully programable
<b>Outputs</b>	Relay NO/NC dry contact
<b>Wakeup call</b>	On demand