surfmogh2@458energy.com



The most effective IoT tool for long-term hydrogen monitoring in subsurface

SurfMoG H₂ is the result of the expertise and union of a French company, 45-8 ENERGY, and a Swiss company, SOLEXPERTS. 45-8 ENERGY's knowledge of subsurface and expertise into industrial gases, coupled with SOLEXPERTS' recognised skills in terms of mechanics and electronic, led to the creation of the most effective IoT tools currently on the market for accurately and continuously monitor hydrogen in the subsurface over long periods of time: SurfMoG H₂.

SOLEXPERTS



AN INNOVATION:



SurfMoG H₂ is composed of:





An inox probe, designed specifically to withstand the subsurface's constraints, houses the sensor, battery and communication system.

A highly-resistant plastic cover, to protect antenna and assure accurate data transmission without interference from the probe's installation environment.



SurfMoG was originally designed for hydrogen monitoring. However, long-term subsurface monitoring of others gases could be of interest in various applications. This is why a CO₂ and CH₄ version of SurfMoG has been developed.



SurfMoG H_2 comes with a high-quality stainless-steel casing that simplifies maintenance and makes it easy to change the probe $(H_2 \text{ or } CH_2/CO_2).$





Soil rebuilt around







 Step 5
 Step 6

 Long-term H2
 Easy maintenance

 monitoring & data
 or change of gas

 collection
 sensors

SURFMOG H₂ TECHNICAL SPECIFICATIONS

drilling



SurfMoG H₂ is available on a long-term rental basis for 6, 12 or 24 months for best suits your needs. SurfMoG H₂ has been designed for the simplest and most efficient user experience:

Easy installation and

basic maintenance

Minimization of

interventions

Ready-to-use



Access to a data visualization platform with dedicated account

You need to accurately monitor hydrogen flows and want to have more information?

Contact us at: surfmogh2@458energy.com