



# SPOTLIGHT

## Data mining solution enabling predictive maintenance

### CCS monitoring is all about avoiding “surprises”!

Relaying on flow simulator outputs & digital twins, SpotLight is able to focus an active seismic monitoring when needed, **detecting changes** on strategic location that we call **SPOTS**

### Why do you need Spots



**Predictive maintenance/inspection**, to monitor & validate flow model.



**Risk management**, to monitor the identified risk areas when CO2 plume come close to them



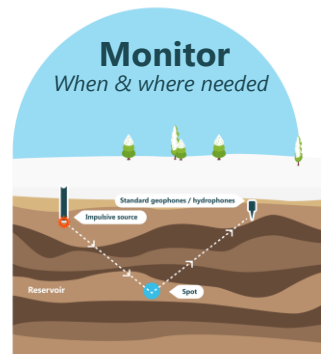
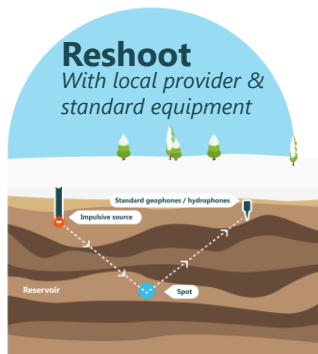
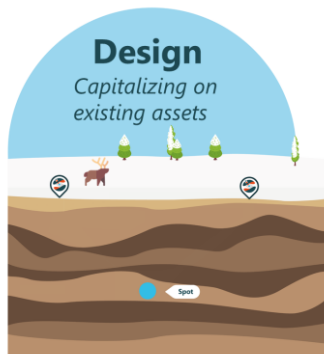
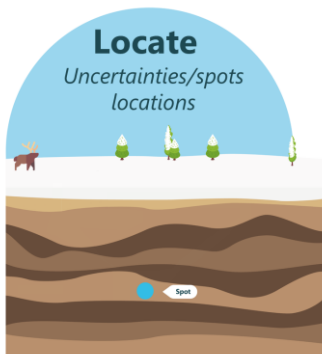
**Reactive maintenance**, to agily & rapidly investigate unexpected areas of concerns. Strong synergies with microseismic.



Greensand successful monitoring



### Our solution in 4 steps



*Where and when* you want an update to calibrate your models

*Capitalize* on million \$ **existing assets\*** to find source/receiver or antenna optimal location **on earth or at sea** to detect a change.

Using **standard equipment**, and **local acquisition providers**

Signal processing to **detect changes**

## Newly developed monitoring technology for CO2 storage in North Sea proves successful



Cost effective, **safer**, and with **minimal environmental footprint**

CARBON CAPTURE USAGE & STORAGE



May 5, 2023, by Amir Garanovic

The consortium partners behind the Project Greensand have developed a new monitoring technology that has successfully monitored that the stored CO2 in the North Sea subsoil is at the right location.



**2021 award winning startup**

## Environmental footprint

SpotLight acquisition didn't require a fisherman liaison officer onboard and can accommodate with heavy Maritime traffic area.



Societal acceptability is paramount for CCS, and **SpotLight** is ticking all the boxes !



Airgun emission to water : -98%  
(better for mammals)



Since 2017, **SpotLight** carried over **23 projects Onshore & Offshore**. We have studied the equivalent of **6 years of continuous active seismic recording** to mature our solution.

CCS/CCUS publication: [Offshore energy](#), [EAGE22](#)

Heavy Oil publications: [CSEG21](#), [ATCE 2021](#)

Gas storage publication: [EAGE 2020](#)

Other publications: [FirstBreak 2021](#) [EAGE 2021](#)



SpotLighters

CCS



Oil & Gas



Others



21 advisors

15 Scientific advisors | 6 Strategic advisors



Robert Soubaras



Robert Brunck



Abdullah Al-Shakys



Jean-Luc Mari