

MICROSEISMIC AWARDED SECOND DEPARTMENT OF ENERGY (DOE) GRANT - CSEM MONITORING FOR CARBON STORAGE SITE CHARACTERIZATION

MicroSeismic continues to thrive as it repurposes its extensive geophysical expertise in support of a net-zero initiative

HOUSTON, TX, UNITED STATES, March 10, 2023 /EINPresswire.com/ -- [MICROSEISMIC](#) AWARDED SECOND DEPARTMENT OF ENERGY ([DOE](#)) GRANT - CSEM MONITORING FOR CARBON STORAGE SITE CHARACTERIZATION

MicroSeismic, Inc. (MSI) will receive \$199,721 as part of the Department of Energy grants totaling \$16,676,827 to 77 small businesses in 25 states, in support of scientific energy innovation and clean energy development.

The MicroSeismic DOE project will focus on a turnkey service to create an electromagnetic monitoring network for use during carbon storage/injection operations. The new MicroSeismic CSEM monitoring service, under the brand name [CO2SeQure](#), will help ensure the safe and compliant operation of industrial-scale CO2 storage facilities. Principally, the CSEM system can efficiently and economically measure the extent of the CO2 brine plume helping to ensure the safe and effective operation of storage facilities, which is critical to the long-term effectiveness of carbon sequestration.

Dr. Peter M. Duncan, CEO & Founder of MicroSeismic said: "Safe and efficient geologic sequestration of CO2 requires monitoring and validation during injection to ensure the integrity of the storage formation and caprock. It is important to safely and efficiently monitor and measure the extent of the CO2 plume so that injection rates can be controlled to prevent leakage from the geological reservoir. With this grant, we will continue developing a turnkey monitoring service using electromagnetic methods that will ensure the safe and efficient operation of





With the grant, we will continue developing a turnkey monitoring service using electromagnetic methods to ensure the safe and efficient operation of industrial-scale CO2 storage facilities.”

Dr. Peter Duncan, CEO

industrial-scale CO2 storage facilities.”

Through the DOE Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs, the federal government enables and encourages small businesses that power the U.S. economy and generate thousands of jobs, both directly and indirectly. The DOE SBIR/STTR awards seek to transform DOE-supported science and technology breakthroughs into viable turnkey products and services. The awards also support the development of specialized technologies and instruments that aid in scientific discovery.

This is the second grant MicroSeismic has received from the DOE, and MicroSeismic continues to thrive as it repurposes its extensive geophysical expertise in support of a net-zero initiative. Our first grant, awarded in 2022, covered modeling, design, and planning for the installation and operation of a passive seismic monitoring service, and this grant serves as a powerful complementary technology to that service.

About MicroSeismic, Inc.

We Listen. We Protect. We Care. MicroSeismic, Inc. helps our clients protect their assets, operations, and the environment, as the world transitions to reliable and secure energy sources.

We began in 2003 with a mission to bring passive seismic technology to the oil field. As our expertise has grown, so has the list of applications for our geophysical technology.

- We have successfully monitored the stability of wellbores in tectonically active areas.
- We have developed technology to monitor CO2 sequestration (CCUS).
- We can apply frac monitoring technology to enhanced geothermal systems.
- We have developed a methodology to detect and mitigate sinkhole development.

The shale boom of the mid-2000s overwhelmed us with demand for hydraulic fracture monitoring, however today, priorities have changed. While frac monitoring is still a business driver for us, new opportunities have expanded our original vision to include environmental markets. Adaptable technology and 20 years of experience allows us to apply passive seismic techniques to a wide spectrum of problems relevant to the oil field and beyond.

#WeListen #WeProtect #WeCare #MonitoringMatters

#CarbonSequestration #CCUS #Sinkhole #Geothermal #ESG #Environment #FDI

For more information about CO2SeQure visit: www.microseismic.com

More information about all the projects announced by DOE is available at the following link:
<https://science.osti.gov/sbir>

*MicroSeismic, Inc. trademarks are registered marks in the USA, Canada, and other countries.
#

Media Contact:

Monica Vrana
Chief Marketing Officer
mvrana@microseismic.com
281-804-3557

Monica Vrana
MicroSeismic, Inc.
+17138295385 ext.

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

[Instagram](#)

[YouTube](#)

[TikTok](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/621403987>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2023 Newsmatics Inc. All Right Reserved.