

MIRICO LIBRA™ enables collection of high sensitivity, real-time gas concentration data even in challenging environments

OXFORD, UNITED KINGDOM,
September 24, 2021 /

EINPresswire.com/ -- Today MIRICO announced the launch of their new LIBRA™ platform, which will provide gas analysis solutions for applications such as Carbon Capture, Utilisation and Storage (CCUS), environmental research and breath and volcanic gas analysis.

The LIBRA™ platform employs MIRICO's existing Laser Dispersion Spectroscopy (LDS) technology, which enables the collection and interpretation of gas concentration data in even some of the harshest of application settings.



This technology provides a high resolution covering a wide dynamic range of gas concentrations, alongside high sensitivity with long term stability and reliability across almost all gas matrices.

“

To be able to provide those types of insights even in the most challenging of conditions is particularly beneficial, and I am looking forward to helping customers utilise the platform.”

Dr Linda Bell

LIBRA™ has been designed for rugged industrial use and can be easily installed for autonomous operation and then managed remotely.

A case study provided by MIRICO demonstrates how one CCUS operator used the LIBRA™ platform to measure the $\delta^{13}\text{CO}_2$ isotopic variation in CO_2 gas at a thermal extraction well which was using the Carbfix process to mineralise carbon dioxide from the atmosphere.

Through real-time continuous isotopic measurements in a highly corrosive gas mixture, the operator gained valuable insight into the impact of fractionation in the well gas sampling system with isotopic variations of up to 20‰ observed during refreshing of the sample chamber.



Carbon Capture, Utilisation and Storage operators can use the LIBRA™ platform to optimise their CCUS processes and reduce the environmental impact of their operations.

“Building on our existing LDS technology, the LIBRA platform is capable of providing some very valuable insights” said Dr Linda Bell, CEO of MIRICO. “To be able to provide those types of insights even in the most challenging of conditions is particularly beneficial, and I am looking forward to helping customers utilise the platform in a variety of applications.”

MIRICO is currently offering free consultations to help you design the optimal LIBRA™ set-up.

To get started with a free consultation, visit <https://mirico.co.uk/libra> or contact MIRICO at: info@mirico.co.uk

Rob Gibbs
MIRICO
+44 1235 612400
rob.gibbs@mirico.co.uk
Visit us on social media:
[Twitter](#)
[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/552228000>

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.

© 1995-2021 IPD Group, Inc. All Right Reserved.