

**Business alliance between Osaka Gas and Sylvera  
for quality assessment of carbon credits**

~Towards improving the quality of carbon credits traded and invested in by Japanese companies~

November 13, 2024  
Osaka Gas Co., Ltd  
Sylvera Ltd.

An AI system has been built to simply check the quality of carbon credits based on multiple criteria.\*<sup>1</sup> Osaka Gas Co., Ltd (President: Masataka Fujiwara, hereinafter 'Osaka Gas') and Sylvera Ltd. (CEO: Allister Furey, hereinafter 'Sylvera'), a carbon markets data company, have signed a Memorandum of Understanding ("MOU") for a business alliance on the quality assessment of carbon credits.

In the future, both organizations will work together to improve the quality of carbon credits traded and invested in by Japanese companies.

In recent years, companies have been increasingly offsetting their greenhouse gas ("GHG") emissions with carbon credits as a means of achieving their carbon neutral plans, after making efforts to reduce GHG emissions. As a result, it has been estimated that up to 100 trillion\*<sup>2</sup> credits will be needed worldwide by 2030, and the development of credits is expected to accelerate in the future.

On the other hand, proper assessment of the quality of carbon credits is crucial to avoid the risk of greenwashing and price volatility.

Sylvera is a leading end-to-end carbon data platform company, supporting organizations along their entire buying and investment journeys. A core part of their business - project quality assessments & ratings - is based on a comprehensive analysis of the carbon reductions and/or avoidance claims of carbon credit generating projects through expert analysis, robust evaluation frameworks and industry-leading primary & secondary datasets. Companies around the world use Sylvera's ratings as a reference to trade in high-quality carbon credits and invest in projects.

Osaka Gas was the first company in the world to build\*<sup>3</sup> an AI system for quick and simple checks of carbon credit quality by analysing carbon credit generation project plans with a generative AI and assessing consistency with multiple criteria. The system has first been applied to the biochar sector and has confirmed that it achieves high accuracy.

This AI system enables a simple and quick initial assessment of credit quality.

The two companies have now entered into a business alliance on the quality assessment of carbon credits.

In the future, Sylvera will support the development of this AI system built by Osaka Gas to expand the scope of coverage and improve the accuracy of the system. It is also envisaged that Osaka Gas will support Sylvera's transactions with Japanese companies.

Osaka Gas and Sylvera will contribute towards achieving carbon neutrality by 2050 by promoting initiatives to improve the quality of carbon credits traded and invested in by Japanese companies.



From left to right: Louis Booth, APAC Director, Sylvera APAC; Eiji Natsuaki, Executive Officer, General Manager, Business Creation Division, Osaka Gas.

\*1: Building a System to Evaluate the Quality of Carbon Credits Using Generative AI (announced in October 2024).

[https://www.osakagas.co.jp/en/whatsnew/\\_\\_icsFiles/afieldfile/2024/10/21/241004\\_1.pdf](https://www.osakagas.co.jp/en/whatsnew/__icsFiles/afieldfile/2024/10/21/241004_1.pdf)

\*2: According to the Global Carbon Credit Market Report 2024 (Global Information, Inc.).

\*3: According to our own research.

## 1. company profile

### ■Osaka Gas.

Company name	Osaka Gas Co., Ltd
representative	Masataka Fujiwara, President and Representative Director
Establishment	April 1897.
Head office location	4-1-2 Hiranomachi, Chuo-ku, Osaka City, Osaka Prefecture, Japan
Business overview	Production and sale of gas, generation and sale of electricity, etc.

■ Sylvera S.A.

Company name	Sylvera Ltd.
representative	CEO: Allister Furey
Establishment	2020.
Head office location	United Kingdom
Business overview	Provision of a web platform for assessing and rating carbon credits, development of systems, etc.