

January 8, 2024
Nagase & Co., Ltd.
EAGLYS Inc.

Nagase & Co. and EAGLYS Enter Distribution Agreement for Domestic Sales of R&D MI Tool —Promoting R&D by Delivering Services to Chemicals Manufacturers

Nagase & Co., Ltd. (Head Office: Chiyoda-ku, Tokyo; Representative Director, President and CEO: Hiroyuki Ueshima) and EAGLYS Inc. (Head Office: Shibuya-ku, Tokyo; CEO: Hiroki Imabayashi) have entered into a distribution agreement for domestic sales of the chemicals and materials R&D MI tools EAGLYS ALCHEMISTA and EAGLYS ALCHEMISTA Labs, developed and provided by EAGLYS. Through this agreement, Nagase & Co. will deliver these two tools mainly to chemicals manufacturers in Japan and EAGLYS will improve the tools, contributing to promoting R&D by chemicals manufacturers.

Background

In the chemicals industry supply chain, suppliers and buyers engage in transactions for chemical products by comparing notes on mainly qualitative information while both parties maintain the confidentiality of raw data related to development (compounding conditions, processing conditions, measurement/analysis results, etc.). However, with a move towards making R&D more efficient considering diversifying needs, shortening development cycles, and labor shortages, reducing the number of times notes need to be compared and making it more sophisticated has become an issue. With this trend, the use of MI (*1) has become more common for R&D, and so there is a growing need for technology to process data so it can be easily handled by MI to efficiently find the necessary data amongst a variety of data.

Overview of Solutions

■ALCHEMISTA (Fig. 1)

Extracting valuable information while maintaining the confidentiality of data using secure computing (*2), a technology that is a strength of EAGLYS

- Possible to apply machine learning (*3) to consolidated data from two companies while not disclosing development data to the other company
- Can confirm to what extent the explanatory variables (*4) of the supplier are contributing to the final goal

■ALCHEMISTA Labs (Fig. 2)

In addition to increased speed and efficiency of data analysis, improved speed for accumulating data and machine learning experience

- Simple and easy to use UI without any need for programming or other coding
- The tool can partially carry out searching past experimental data and structuring raw data for data analysis

Future Plans

Using the supply chain it has developed as a trading firm specialized in chemicals and its knowledge of the chemicals industry, Nagase & Co. will aim to be a business that solves manufacturing issues through materials with the delivery of these two tools. Through unique solutions based around secure computing and AI technologies, EAGLYS will contribute to the realization of more efficient and innovative R&D processes by

accelerating the digital transformation of the chemicals industry. Utilizing the strengths of both companies, this agreement will aim to contribute to increased competitiveness and sustainable development for the Japanese chemicals industry.

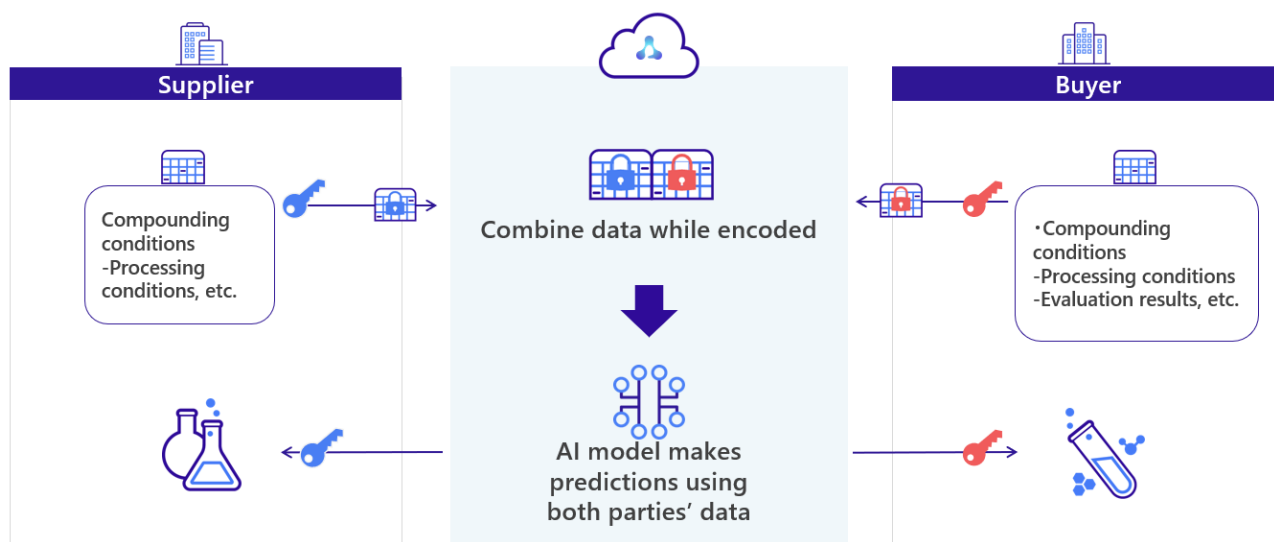
*1 Material Informatics: Materials development technology using AI and the latest data processing technology to efficiently search for new materials

*2 Secure Computing: Technology to maintain the confidentiality of data while computing

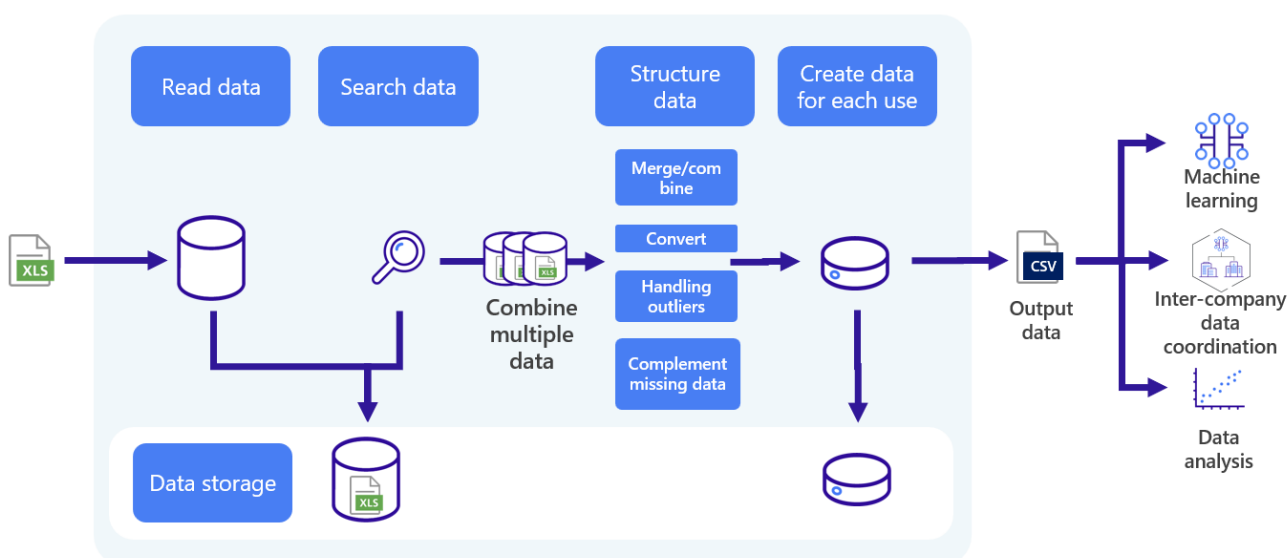
*3 Machine Learning: A mathematical approach in which past compounding/processing conditions data, etc. is used to predict target physical property values and find the compounding/processing conditions, etc. necessary to achieve the target physical property values

*4 Explanatory Variables: Data input for machine learning (such as compounding conditions)

(Fig. 1) ALCHEMISTA



(Fig. 2) ALCHEMISTA Labs



EAGLYS Profile

- Company Name: EAGLYS Inc.
- Head Office: 7F Yamato Building, 5-27-3 Sendagaya, Shibuya-ku, Tokyo
- Representative: CEO Hiroki Imabayashi
- Business Overview: Providing AI services using secure computing and AI technologies
- URL: <https://eaglys.co.jp/>

Nagase & Co. Profile

- Company Name: Nagase & Co., Ltd.
- Head Office: Chiyoda-ku, Tokyo
- Representative: Representative Director, President and CEO Hiroyuki Ueshima
- Business Overview: Import/export and domestic sales of chemicals, plastics, electronics materials, cosmetics and health foods
- URL: <https://www.nagase.co.jp/>

◆Inquiries

Nagase & Co., Ltd. URL: <https://www.nagase.co.jp/>

<Business Inquiries>

Future Co-creation Office Mail : akito.watanabe@nagase.co.jp

<Media Inquiries>

PR Section, Corporate Relations Div., Corporate Management Dept. Tel: 080-8828-8676