

December 1, 2020

NAGASE &amp; CO., LTD.

Sanyo Chemical Industries, Ltd.

## **Sanyo Chemical Decides to Introduce SaaS-based TABRASA New Material Search Platform**

NAGASE & CO., LTD. (NAGASE ; Chuo-ku, Tokyo; Representative Director and President: Kenji Asakura) and Sanyo Chemical Industries, Ltd. (Sanyo Chemical; Higashiyama-ku, Kyoto, President & CEO: Takao Ando) have agreed that NAGASE will begin providing Sanyo Chemical with the SaaS-based TABRASA New Material Search Platform that NAGASE developed jointly with IBM.

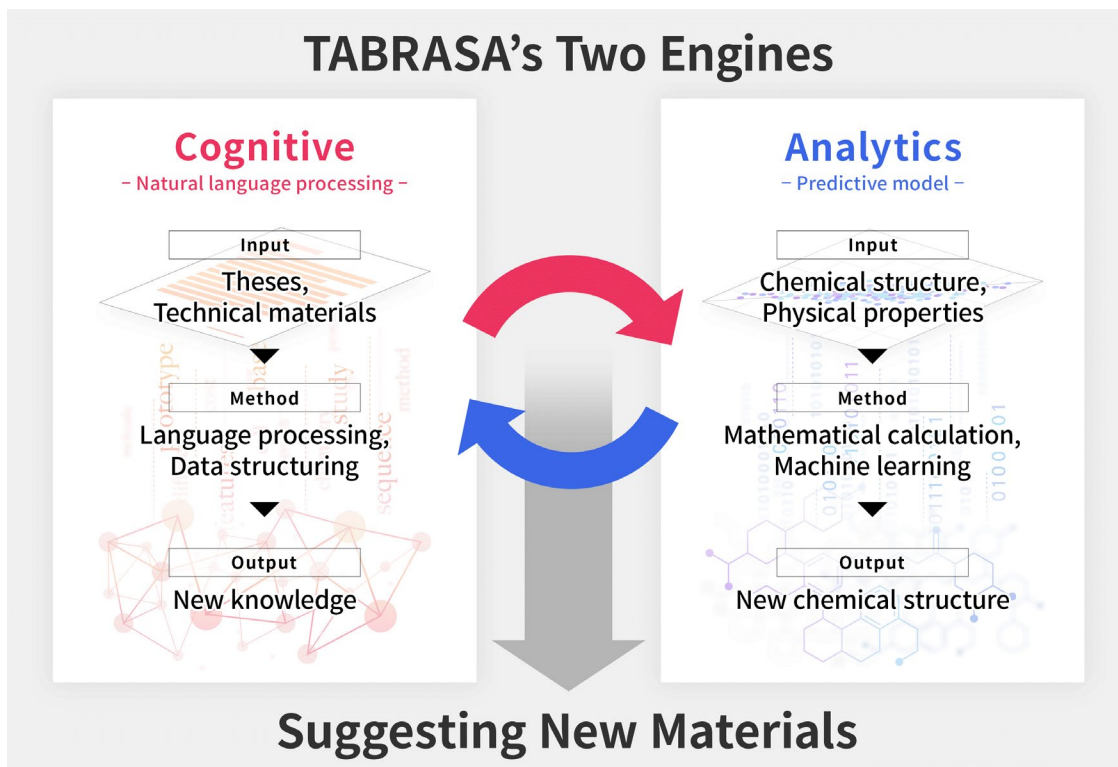
NAGASE has commercialized IBM technology as a SaaS service for materials informatics (MI), which it launched in November 2020, and Sanyo Chemical will be the first user to introduce the platform.

The strengths of TABRASA lie in its ability to search for materials with two different engines: an analytics approach that harnesses AI machine learning to suggest chemical structures for new materials from substances' molecular structure and physical property data, and a cognitive approach driven by cognitive discovery technology possessed by IBM Research (※1). Either of the two engines can be introduced, and Sanyo Chemical will introduce the cognitive approach.

Sanyo Chemical has strengths in surface control technologies and a line-up of functional chemical products utilized in a wide range of fields. It combines needs-oriented and seeds-oriented R&D to pursue a "NeeSeeds-Oriented" approach to swift development of multi-faceted products for diverse customers, and is currently focusing on fields including energy, electronics, biomedical, and cosmetics. International competition to develop new products is becoming fiercer against a backdrop of globalization of economic activity, technological advances associated with development of digital technologies in fields such as artificial intelligence and 5G telecommunications, and shorter product cycles. By introducing this service, Sanyo Chemical aims to enhance inter-divisional use of technical information possessed by its research divisions as well as data-driven R&D through MI, and to efficiently develop products.

As a trading company, NAGASE has broad customer networks. Through its new business model of identifying issues yet to be noticed by its business partners and providing value contributing to solutions by means such as provision of the TABRASA service, it aims to create a society full of warmth, where people can live in safety, security, and comfort.

(※1) About TABRASA



▪ **Corporate Profile: Sanyo Chemical**

(1) Company name	Sanyo Chemical Industries, Ltd.
(2) Headquarters	Higashiyama-ku, Kyoto
(3) Representative	Takao Ando, President & CEO
(4) Established	November 1949
(5) Main business	Manufacture and sale of approximately 3,000 performance chemicals (functional chemical products)
(6) Website	<a href="https://www.sanyo-chemical.co.jp/eng/">https://www.sanyo-chemical.co.jp/eng/</a>

▪ **Corporate Profile: NAGASE**

(1) Company name	NAGASE & CO., LTD.
(2) Headquarters	Chuo-ku, Tokyo
(3) Representative	Kenji Asakura, Representative Director & President
(4) Established	June 1832
(5) Main business	Import/export and domestic sales of chemicals, plastics, electronics materials, cosmetics and health foods
(6) Website	<a href="https://www.nagase.co.jp/english/">https://www.nagase.co.jp/english/</a>



■ **Inquires**

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