

Yokohama National University
Resonac Holdings Corporation

Yokohama National University and Resonac Corporation Sign Comprehensive Partnership Agreement

Tokyo - April 22, 2025 - Yokohama National University (Hodogaya-ku, Yokohama City, President Izuru Umehara) and Resonac Corporation (Minato-ku, Tokyo, President and CEO Hidehito Takahashi) entered into a comprehensive partnership agreement on April 21, 2025, with the aim of advancing next-generation semiconductor technology and enhancing created value through research and development, as well as fostering human resources to contribute to the future development of the semiconductor industry.

While the two entities have already been collaborating, we resolved this time to strengthen our partnership further. By deepening our cooperation, we aim to leverage the outcomes of their collaborative efforts to benefit the semiconductor industry and foster human resource development, thereby contributing to society.

Cooperative Matters under this Agreement:

- (1) Research, development, and social implementation of materials required for next-generation semiconductors.
- (2) Exchange and development of human resources for advanced research on next-generation semiconductors.
- (3) Other matters deemed beneficial to the objectives of this agreement.

Expected Key Activities:

Yokohama National University and Resonac Corporation have previously discussed cooperative research and co-creation regarding materials and processes to be utilized in the downstream of semiconductor production.

Yokohama National University established a Semiconductor and Quantum Integrated Electronics Research Center within its Institute of Advanced Sciences in fiscal year 2024, aiming to lead research and development of advanced heterogeneous integration technologies that combine different devices. It seeks to establish itself as a leading research hub both domestically and internationally.

Resonac Corporation possesses world-class semiconductor materials and state-of-the-art downstream-processing equipment for semiconductors at its research and development facilities, guided by its vision as a "Co-creative Chemical Company." The company is actively engaged in consortium activities.

Through these new co-creative efforts, Yokohama National University and Resonac Corporation will contribute to society.



From left in the image:

Hidenori Abe, Corporate Officer, CTO for Semiconductor Materials, Resonac Holdings Corporation

Izuru Umehara, President of Yokohama National University

Fumihito Inoue, Deputy Director of Semiconductor and Quantum Integrated Electronics Research Center, Yokohama National University

Masato Fukushima, Corporate Officer, Chief Technology Officer, Resonac Holdings Corporation

About Yokohama National University:

Official Website <https://www.ynu.ac.jp/english/>

Yokohama National University is a comprehensive university established in 1949, based on four predecessor institutions. Rooted in its history, YNU upholds values of "practicality", "Innovation", "openness" and "Internationality" while emphasizing "diversity" that respects individual uniqueness. Located in Tokiwadai, Hodogaya-ku, Yokohama City, the university consists of five faculties and six graduate schools. It boasts a diverse community of scholars promoting advanced education and research. The university has also actively developed satellite campuses, starting with the Shin-Shonan Co-Creation Campus, to collaborate across sectors and academic disciplines, playing a central role in fostering regional innovation. Through these activities, YNU aims to establish itself as a "world-class research university centered on knowledge integration" that contributes to "innovation creation" and "scientific and technological advancement."

About Resonac Corporation:

Official Website <https://www.resonac.com/jp>

Resonac Corporation is a functional chemical company established as a result of the integration of Showa Denko and former Hitachi Chemical in January 2023. The Company's sales revenue of semiconductor and electronic materials business for 2024 was about 450 billion yen. The Company is a world-class leader particularly in semiconductor materials for packaging process. The integration of the two companies has enabled Resonac to design functions of materials as well as to develop them in-house, going all the way back to raw materials. The trade name "RESONAC" was

created as a combination of two English words, namely, the word of “RESONATE” and “C” as the first letter of CHEMISTRY. The Company will make the most of its co-creative platform, and accelerate technological innovation with semiconductor manufacturers, material manufacturers, and equipment manufacturers inside and outside Japan.

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