

Denka Strengthens Environmental Management for Carbon Neutrality by 2050 Presenting Denka's Original Initiatives at Eco-Pro Online 2020

Denka Company Limited (headquarters: Chuo-ku, Tokyo; president: Manabu Yamamoto; hereinafter “Denka”) announces that it will strengthen its environmental management to become carbon neutral by 2050. The Group will introduce its initiatives in environmental management, which is centered around carbon neutrality, as well as its original environment products and technologies at Eco-Pro Online 2020 (*1) that is starting today.

Since the Paris Agreement came into effect in 2016, the world is accelerating its measures to reduce greenhouse gas emissions to a net zero by this mid-century. As a chemical producer that consumes a lot of energy, Denka aims to reduce net emissions of greenhouse gases by 85% (compared to FY2013) by FY2050. Alongside efforts to reduce Denka's emissions, such as building more hydroelectric power plants and introducing high-efficiency gas turbine generators in its main factories in Japan, Denka will provide and develop products and services that contribute to reducing the environmental load of society as a whole.

Amid such developments, the Japanese government announced its intention to achieve carbon neutrality by 2050 in October this year, and with this major shift from “low carbon” to “zero carbon and carbon neutrality,” Denka has decided to aim for substantial carbon neutrality by 2050 in an effort to fulfill its social duty with regard to the challenges faced by the world. Denka will accelerate the following four initiatives with an eye to the total life cycles of products. Moreover, based on Taskforce on Climate-related Financial Disclosures (TCFD) recommendations, Denka will actively disclose information about progress toward carbon neutrality from a variety of perspectives.

1. Expanding the ratio of renewable energy centering on hydropower.
2. Developing and implementing innovative technologies for capturing, fixing, and utilizing CO₂: CCUS (*2)
3. Developing and providing products that contribute to the environment and technologies that reduce the environmental load by utilizing Denka's characteristic features
4. Implementing chemical recycling technologies that recycle plastic as a resource

With the SDGs as its compass, Denka will advance numerous initiatives for environmental preservation and protection with the aim of creating a sustainable society, aiming to become a company that is truly needed by society.

(*1) Eco-Pro Online 2020 (<https://eco-pro.com/2020/>)

Name : Eco-Pro Online 2020

Dates : November 25 (Wed)–28 (Sat), 2020 [core times: 10:00–17:00]

(After the event, the archive is publicly available until December 25 (Fri))

Organizers : Nikkei Inc., Sustainable Management Promotion Organization

Admission fees : Free (registration needed)

Denka's displays :

Introducing the environmental management and related products using videos and slides.

- The Denka Group's environmental management
[Medium- and long-term goals for reducing CO₂, etc.]
- Introducing plastic-related businesses and initiatives for resource recycling
[Environmental responses to food packaging (Denka Polymer), chemical recycling (Toyo Styrene)]
- Denka's water control technologies that protect safe and hygienic water resources and biodiversity
[Hydropower generation, rain gutters, Colgate, RaRaSui]

(*2) CCUS (carbon dioxide capture, utilization, and storage)

A technology that prevents the release of CO₂ to the atmosphere by separating it from other components in the gases emitted from plants and then collecting it. The collected CO₂ is stored underground or at the bottom of the ocean, and the government and academia are jointly investigating ways to recycle it as a raw material for making chemicals or fuel. Denka is working to develop technologies in collaboration with external organizations with the aim of commercializing CO₂ collection technology by 2030.

About Denka

Denka is a chemical manufacturer headquartered in Chuo-ku, Tokyo. The company specializes in developing business activities on a global scale across a wide range of fields, from inorganic and organic chemicals, to electronic materials and pharmaceuticals. Founded in 1915, Denka has steadily continued to develop and manufacture products that contribute to the development of society by fully utilizing its unique concepts and technological capabilities. Upholding its corporate slogan, "Possibility of chemistry," the company and its president, Manabu Yamamoto, are committed to contributing to the sound development of the society while sincerely tackling the challenges that the society is now confronting.

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