

November 27, 2014
DENKI KAGAKU KOGYO KABUSHIKI KAISHA
(DENKA)

DENKA to Receive Award for the Co-Development of CO₂-SUICOM, an Environment-Friendly Concrete Product

DENKA (Headquarters: Chuo-ku, Tokyo) hereby announces that today the Company has been selected as a winner of the 2014 Environment Minister's Award for Global Warming Prevention Activity (Technological Development and Commercialization Category) for the co-development of CO₂-SUICOM. This award is bestowed by Japan's Ministry of the Environment upon individuals or entities that have made outstanding contributions to the prevention of global warming.

CO₂-SUICOM is an environment-friendly concrete product jointly developed by DENKA, the Chugoku Electric Power Co., Inc. (Headquarters: Hiroshima City, Hiroshima) and Kajima Corporation (Headquarters: Minato-ku, Tokyo). Compared with conventional concrete products, CO₂-SUICOM emits an extremely small amount of CO₂ throughout its production process. Specifically, as it absorbs CO₂ through deliberate exposure to highly concentrated carbon dioxide gas in the course of curing, this product is capable of reducing net emissions volume to zero or less. Moreover, CO₂-SUICOM's alkali content is extremely low, almost zero. It thus minimizes environmental burdens attributable to alkalinity, making concrete much safer. The product is expected to be used mainly at power stations to facilitate carbon sequestration.

Leveraging special cement additive technologies that it has accumulated over the years, DENKA developed a carbonization agent dubbed "LEAF" that serves as a key material of CO₂-SUICOM.

As set forth in the DENKA100 management plan growth strategies, DENKA's special cement additive business is a key growth driver that bolsters the Company's operations in the infrastructure field. In addition to CO₂-SUICOM, we are marketing EIEN, which absorbs CO₂ and thereby prolongs the life of concrete structures, as well as SUQCEM, a lightweight, ultrahigh-strength fiber-reinforced concrete product. While helping to reduce construction expenses and buildings' lifecycle cost, DENKA is contributing to environmental preservation through the provision of CO₂-reduction, resource-saving and other various solutions.

Looking ahead, we will pursue environment-friendly corporate activities as we aim to support global warming prevention initiatives and facilitate the creation of a society that enjoys sustainable growth.

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