

Feb 05, 2021

Chiyoda Corporation agree an MOU with Mitsubishi Corporation and Blue Planet Systems Corporation

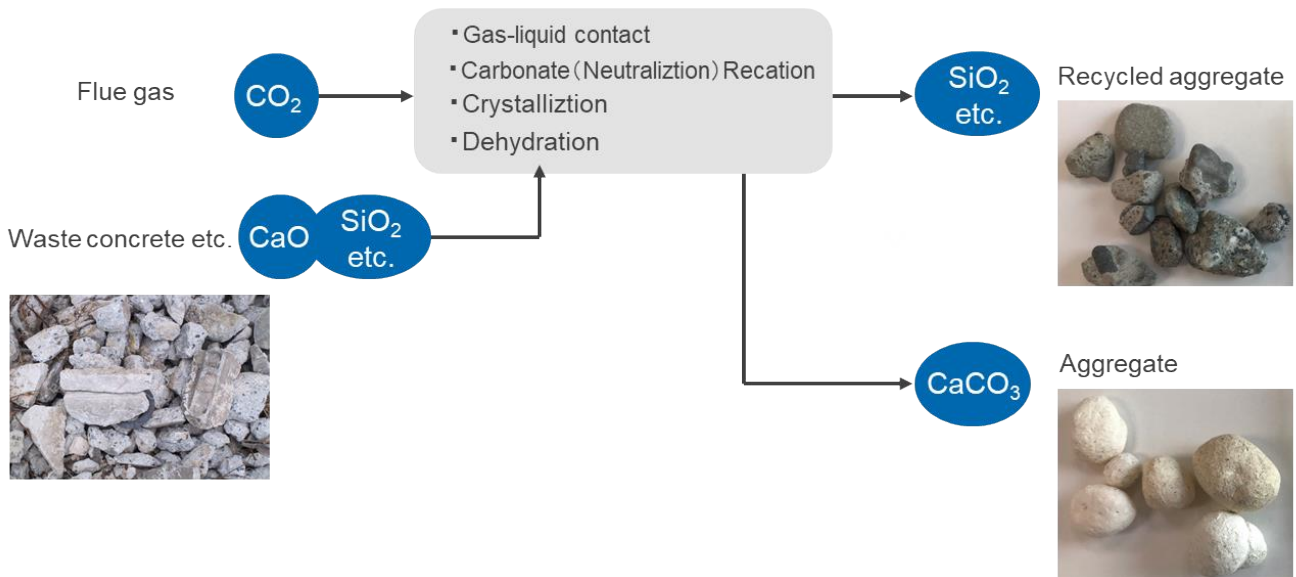
Chiyoda Corporation (Chiyoda) is pleased to announce that it has entered into a Memorandum of Understanding (MOU) with Mitsubishi Corporation (MC) and Blue Planet Systems Corporation (Blue Planet) to accelerate the development and commercialization of Blue Planet's technology to produce CO₂-sequestered aggregates.

Blue Planet has been developing the technology to commercially manufacture aggregate, a raw material for concrete, by immobilizing CO₂ contained in exhaust gas as calcium carbonate, since its founding in 2012. MC is providing financing to Blue Planet (press release dated 23 September 2020) and has entered into partnership with Blue Planet to commercialize the technology.

The development of carbon recycle technologies to recover CO₂ as a resource is central to reducing CO₂ emissions, an important measure against climate change. By applying its knowledge of engineering and chemical engineering in particular, Chiyoda will participate in a planned project to demonstrate the technology in Silicone Valley, California, towards the establishment of the technology and commercialization.

Chiyoda is also progressing initiatives in the synthesis gas field (*1) and in the electrolytic reduction field (*2), toward the realization of a carbon recycling society.

An overview of Blue Planet's technology is shown below:



Comment by Dr. Brent Constantz, Founder and Chief Executive Officer of Blue Planet:

“Blue Planet and Chiyoda intend to collaborate together on the commercialization of Blue Planet’s carbon mineralization technology. Chiyoda is Mitsubishi Corporation’s engineering partner and Chiyoda’s diverse engineering experience will enable Mitsubishi to rapidly commercialize Blue Planet plants, by capturing and permanently sequestering Gigatons of CO₂ annually in the form of synthetic limestone aggregates for concrete”.

1. Blue Planet Systems Corporation

Established: 2012
Headquarters: 100 Cooper Ct. Suite A, Los Gatos, CA 95032, United States
Representative: Dr. Brent Constantz, Founder and Chief Executive Officer
Main Business: Production of coarse and fine aggregates made from sequestered CO₂, and development of related technologies

2. Mitsubishi Corporation

Established: 1954
Headquarters: 2-3-1, Marunouchi, Chiyoda-ku, Tokyo
Representative: Takehiko Kakiuchi, President and Chief Executive Officer
Main Business: Natural gas, industrial materials, petroleum & chemicals, mineral resources, industrial infrastructure, automotive & mobility, food industry, consumer industry, power solution and urban development.

3. Chiyoda Corporation

Established: 1948
Headquarters: Minatomirai Grand Central Tower 4-6-2, Minatomirai, Nishi-ku, Yokohama 220-7865, Japan
Representative: Masaji Santo, President and Chief Executive Officer
Main Business: Integrated engineering business including consulting, planning, engineering, procurement, construction, commissioning and maintenance for facilities related to gas, electricity, petroleum, petrochemical, chemical, pharmaceutical, antipollution, environment, preservation, and other services. Exploration of oil, gas and other mineral resources, and investment and financing to such exploration activities.

*1) Technology Development for Paraxylene Production from CO₂ - press release dated 14 July 2020

*2) Development and Application of the CO₂ Recovery and Recycling Technology Covering Dilute CO₂ Accelerates through Cooperation between Industry, Academia and Government - press release dated 9 September 2020.

For more information, please contact:

Chiyoda Corporation

IR, PR & CSR Department

URL: <https://www.chiyodacorp.com/en/contact/index.php>