PRESS RELEASE

ZEON CORPORATION
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Zeon and JCCL begin joint development for social implementation of innovative CO_2 separation and recovery technology

Zeon Corporation (Zeon; head office: Chiyoda-ku, Tokyo; President and CEO: Tetsuya Toyoshima) has signed a joint development agreement with JCCL Inc. (JCCL; head office: Fukuoka City, Fukuoka Prefecture; Representative: Toshiyuki Umehara), a startup originating from Kyushu University, which is advancing the development and commercialization of low-cost, high-efficiency CO_2 separation and recovery technology, to further improve the performance of JCCL's CO_2 absorbents, develop mass production technologies, and scale up JCCL's CO_2 separation and recovery systems.

JCCL manufactures high-performance CO_2 absorbents and designs and manufactures CO_2 capture systems that enable low-cost processes for reducing global CO_2 emissions. The distinctive feature of these systems is that CO_2 is efficiently absorbed by the absorbent and can be easily desorbed and recovered by simply supplying low-temperature steam at 40–60°C. The systems can also effectively reuse waste heat that would otherwise be lost and recover CO_2 using low-pressure steam without requiring significant temperature changes. It is therefore expected to reduce thermal energy consumption and lower the costs associated with CO_2 capture.

Zeon aims to accelerate the development of CO_2 separation and recovery products and achieve their early practical application in society by combining JCCL's ability to provide a one-stop solution for material R&D, performance evaluation, equipment engineering, and process design for CO_2 separation and recovery with Zeon's advanced material design and mass-production technologies gained through its work as a polymer design company.

In its medium-term management plan, STAGE30, Zeon has identified "Mobility," "Healthcare and Life Science," "Telecommunications," and "GX" as its four growth areas. This collaboration further advances Zeon's initiatives in GX. Going forward, Zeon will continue contributing to a sustainable planet and safe and comfortable lives for people through business co-creation with startup companies.

Outline of JCCL Inc.

Company name:	JCCL Inc. https://jccl.jp/
Business:	Development of CO_2 capture technology, sale of equipment, contract testing, business development, etc.
Representative:	Toshiyuki Umehara, Representative
Address:	5-5 Kyudai Shinmachi, Nishi-ku, Fukuoka City, Fukuoka Prefecture, Japan

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