



PRESS RELEASE

July 04, 2024

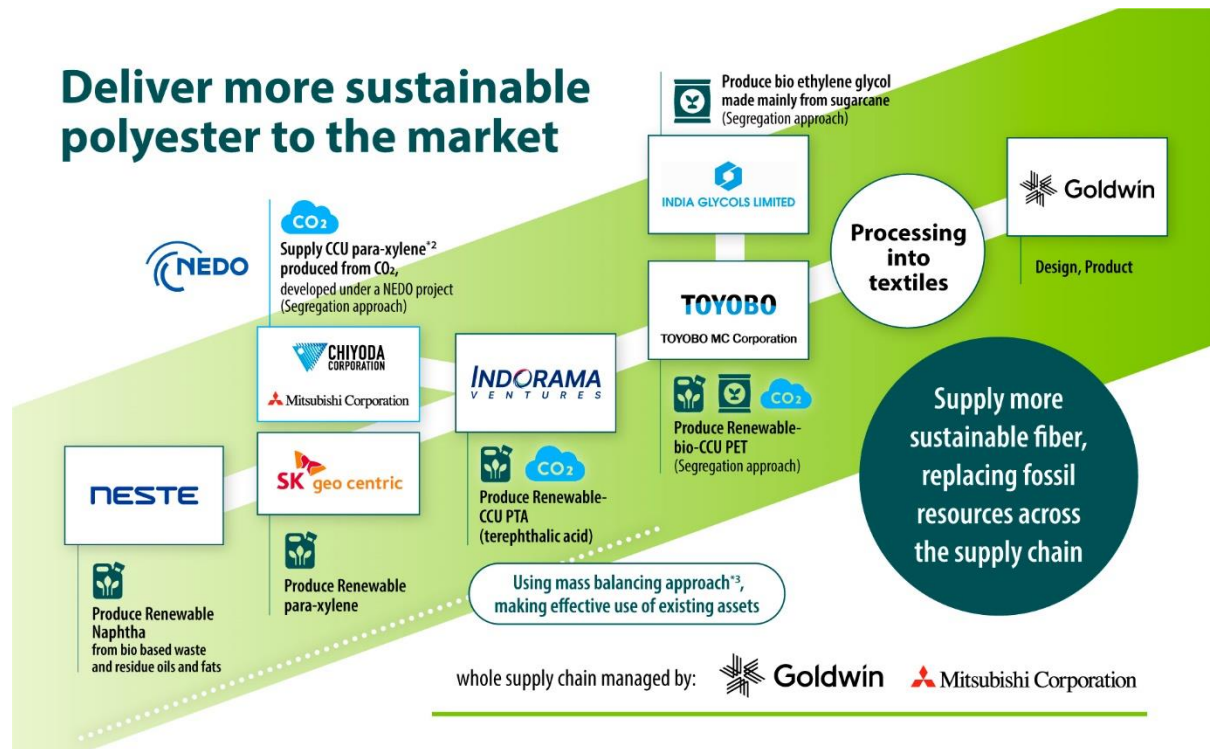
Chiyoda Corporation
Goldwin Inc.
Mitsubishi Corporation
Neste Oyj
SK geo centric Co., Ltd.
Indorama Ventures PCL
India Glycols Ltd.

World's first^{*1} supply chain established for more sustainable polyester fiber based on CO₂-derived material as well as renewable and bio-based materials

A consortium of seven companies across five countries has jointly established a supply chain for more sustainable polyester fiber. Instead of fossil materials, renewable and bio-based materials as well as materials produced via carbon capture and utilization (CCU para-xylene^{*2}) will be used in the manufacturing of polyester fibers for THE NORTH FACE brand in Japan. The project parties are Chiyoda Corporation (hereinafter "Chiyoda"), Goldwin, in the role of the Project Owner, Mitsubishi Corporation (all three from Japan), SK geo centric (South Korea), Indorama Ventures (Thailand), India Glycols (India) and Neste (Finland).

The polyester fiber produced from the project is planned to be used by Goldwin for a part of THE NORTH FACE products including sports uniforms in July 2024. After that, the launch of further products and brands of Goldwin will be considered.

The seven companies ensure credible traceability of material streams throughout the supply chain and will jointly continue to proactively promote the de-fossilization of materials to contribute to a more sustainable society.



***1 World's first**

This refers to the first time CCU para-xylene (direct synthesis from CO₂) is applied and also to the first time a polyester is made without the use of fossil materials in collaboration among upstream material companies and a downstream apparel company through mass balancing, according to the companies' research.

***2 CCU para-xylene**

Regarding the production of para-xylene derived from CO₂ as a raw material, Chiyoda, the University of Toyama, HighChem Company Limited, Nippon Steel Engineering Co. Ltd., Nippon Steel Corporation and Mitsubishi Corporation were awarded in 2020 as a NEDO's project (New Energy and Industrial Technology Development Organization) "Technology Development for Carbon Recycling and Next Generation Thermal Power Generation/Technology Development for CO₂ Emission Reduction and Effective Utilization" and are conducting the joint research and development. This project is to supply CO₂-derived para-xylene as a trial, which was produced during the operation process of a pilot plant installed in Chiyoda's Koyasu Research Park since March 2022.

***3 Mass balance / Mass balancing approach**

A process that tracks the amount and sustainability characteristics of materials and enables allocation of such to a specific portion of the product in proportion to the input of the raw materials with sustainability characteristics, when they are mixed with other materials in the process of manufacturing and distribution of products.

For further information, please contact:

Chiyoda Corporation

IR、PR & Sustainability Advanced Section

Email: irpr@chiyodacorp.com

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