

July 12, 2022

Teijin Limited

Fujitsu Limited

Teijin and Fujitsu agree to jointly develop blockchain-based commercial platform to promote sustainable use of recycled materials

Tokyo, July 12, 2022 – Teijin Limited (hereinafter Teijin) and Fujitsu Limited today launched a joint project to realize a blockchain-based commercial platform for enhancing the environmental value of recycled materials for manufacturers. The collaboration will promote environmentally conscious design (1) by leveraging Teijin's Life Cycle Assessment (LCA) Calculation Method for measuring the environmental impact of manufacturing processes across the value chain, as well as Fujitsu's blockchain technology to collect and track primary data on environmental impact (including GHG emissions) to deliver reliable, transparent traceability.

The new platform will promote the use of recycled materials and environmentally friendly designs by providing manufacturers who design products from recycled materials with accurate information about their environmental footprint, including proof of origin of recycled materials and data on GHG emissions.

This joint effort demonstrates the two companies' commitment to contributing to the realization of the common global goal of a carbon-neutral future for humanity.

Features of the new platform

- The new platform will improve the reliability and the environmental value of recycled materials by leveraging Fujitsu's blockchain technology to collect and trace primary data on environmental impact (including GHG emissions) across the value-chain
- The new platform will promote the use of recycled materials and environmentally friendly designs by providing manufacturers who design products from recycled materials with environmental impact information, including proof of origin of recycled materials and highly reliable GHG emissions

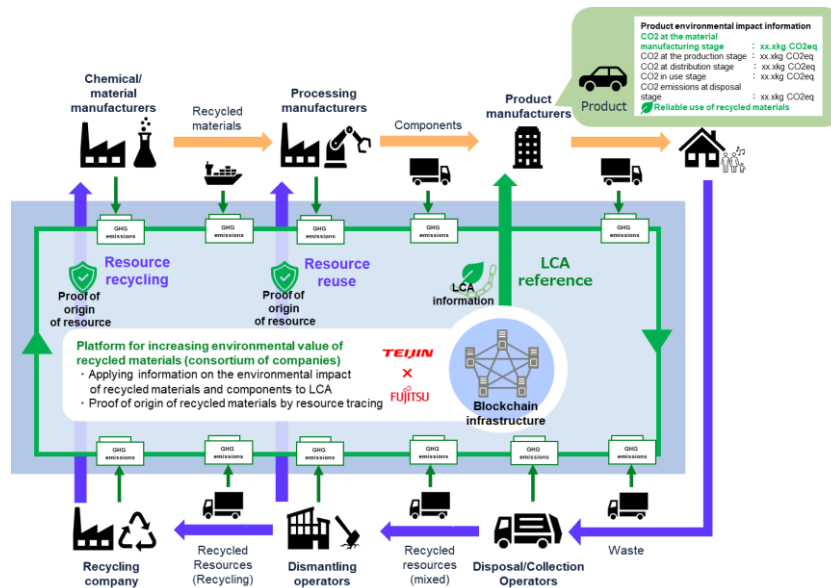


Image of platform for enhancing the environmental value of recycled materials

As a first step in their collaboration, Teijin and Fujitsu will start full-scale trials with the aim of realizing business in the FRP field within fiscal 2022. Based on the results of these trials, the two companies will consider expanding the scope of the project for other types of materials.

Moving forward, Teijin and Fujitsu will continue to contribute to the materials industry as a starting point for the realization of a "circular economy" and will promote environmentally conscious design in society by promoting the use of reliable recycled materials.

The two parties will further promote discussions and field trials with partner companies and organizations that support this initiative to contribute to the realization of carbon neutrality on a corporate and global level.

In order to realize a sustainable society, Teijin will provide innovative, people-centered solutions that improve peoples' quality of life. Teijin will further strive to mitigate the impact of its business activities on the environment and society to realize its long-term vision "to be a company that supports the society of the future." Fujitsu is promoting "Sustainable Manufacturing" to achieve growth through the coexistence of people and the earth as one of its key focus areas under its global business brand, Fujitsu Uvance.

Measuring and reducing the environmental impact of manufacturing processes as well as enhancing the environmental value of recycled materials represents an ongoing challenge

for players in the manufacturing industry.

To this end, manufacturers are increasingly introducing LCA throughout the life cycle of products, disclosing evaluation results, and taking proactive measures to obtain environmental labels (2) as part of their environmental impact management strategies. The introduction of stricter environmental regulations in Europe in particular requires companies to not only adjust to additional requirements in the manufacturing process, but also to focus on environmentally friendly designs and materials. In particular, fiber reinforced plastics (FRP), which are increasingly used for industrial purposes particularly in the transportation field such as aircraft and electric vehicles (EVs), will require more advanced, environmentally conscious design efforts in the future.

To achieve these goals, both the government and the private sector are actively working to regulate waste disposal and develop improved recycling technologies. However, transparency and traceability of recycled materials remain an ongoing challenge, and demand for solutions for reliable information management is expected to grow amidst trends to institutionalize the verification of the usage of recycled resources.

To address this issue, Teijin and Fujitsu started collaboration on a blockchain-based commercial platform to promote sustainable use of recycled materials and provide manufacturers with reliable and transparent information on the origin of recycled resources and data on GHG emissions.

Teijin has established a method for calculating greenhouse gas (GHG) emissions from carbon fiber and aramid fiber manufacturing processes and is also promoting initiatives related to FRP recycling. Fujitsu has a strong track record in building systems using blockchain technologies that ensure high transparency and traceability and makes it virtually impossible to falsify information.

Notes

1. Environmentally conscious design: Design that takes into account the entire life cycle of a product and aims to reduce its environmental impact
2. Environmental label: A mark that informs purchasers of how products and services contribute to the reduction of environmental impact

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group offering advanced solutions in the fields of environmental value; safety, security and disaster mitigation; and demographic change and increased health consciousness. Originally established as Japan's first rayon manufacturer in 1918, Teijin has evolved into a unique enterprise encompassing three core business domains: high-performance materials including aramid, carbon fibers and composites, and also resin and plastic processing, films, polyester fibers and products converting; healthcare including pharmaceuticals and home healthcare equipment for bone/joint, respiratory and cardiovascular/metabolic diseases, nursing care and pre-symptomatic healthcare; and IT including B2B solutions for medical, corporate and public systems as well as packaged software and B2C online services for digital entertainment. Deeply committed to its stakeholders, as expressed in the brand statement "Human Chemistry, Human Solutions," Teijin aims to be a company that supports the society of the future. The group comprises some 170 companies and employs some 20,000 people across 20 countries worldwide. Teijin posted consolidated sales of JPY 926.1 billion (USD 7.2 billion) and total assets of JPY 1,207.6 billion (USD 9.4 billion) in the fiscal year that ended on March 31, 2022

About Fujitsu

Fujitsu's purpose is to make the world more sustainable by building trust in society through innovation. As the digital transformation partner of choice for customers in over 100 countries, our 124,000 employees work to resolve some of the greatest challenges facing humanity. Our range of services and solutions draw on five key technologies: Computing, Networks, AI, Data & Security, and Converging Technologies, which we bring together to deliver sustainability transformation. Fujitsu Limited (TSE:6702) reported consolidated revenues of 3.6 trillion yen (US\$32 billion) for the fiscal year ended March 31, 2022 and remains the top digital services company in Japan by market share. Find out more: www.fujitsu.com/

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