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Largest single order in the company's history: Vecoplan will support UBQ in the production of bio-based thermoplastics

A material revolution instead of waste

UBQ Materials has patented the world's first thermoplastic material consisting entirely of unsorted household waste – including organics. The sustainable substitute for petroleum-based plastics will be manufactured using cutting-edge technology. The company has contracted Vecoplan with supplying all of the processing and storage equipment. For Vecoplan, a reliable partner of the recycling industry, this is the largest single order in its history.

In December 2021, the Israeli cleantech company UBQ Materials commissioned the Vecoplan Group with supplying the mechanical processing and storage technology for its plant in Bergen Op Zoom, Netherlands, which will have an annual production capacity of 80,000 metric tons. Vecoplan will be involved with its full range of capabilities. Twenty other companies will be participating in the project, and Vecoplan will have the largest share in terms of equipment supplied. Start-up is planned for 2023.

Vecoplan began supporting UBQ already in the concept phase, when it provided its extensive expertise. The objective was to create an efficient material flow from intake all the way to transport and storage and to integrate these systems into the complex process as a whole.

“Our cooperation began back in 2013, when we helped with the pilot plant in Israel,” says Martina Schmidt, Head of Recycling and Waste division at Vecoplan AG. “The special feature of the UBQ system is that, unlike conventional recycling, it utilises the entire waste stream. The new process makes it possible to upcycle a wide range of materials, including food waste, mixed plastics and paperboard, creating a new kind of raw material.”

UBQ is a Certified B Corporation, which means it is committed through its statutes to social responsibility and ecological sustainability. Its customers include Mercedes-Benz, PepsiCo and Arcos Dorados Holdings, a company that owns the master franchise of the McDonald's

fast-food restaurant chain in 20 countries of Latin American and the Caribbean. UBQ's newly patented bio-based thermoplastic material, which has beneficial climate effects and is available at a competitive price, gives manufacturers an easy way to increase their sustainability.

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Meta-title: Vecoplan supplies processing and storage technology to UBQ

Meta-description: Vecoplan provides mechanical processing and storage equipment to support UBQ in manufacturing the first bio-based thermoplastic made entirely of organic and unrecyclable waste.

Keywords: UBQ Materials; Vecoplan; domestic waste; thermoplastic composite; thermoplastic; plastics; processing technology; storage technology; bio-based plastic

Photo captions:



Photo 1: UBQ utilises the entire waste stream – including food waste, mixed plastics and paperboard.



Photo 2: The company uses cutting-edge technology to process unsorted household waste.



Photo 3: The result is the world's first bio-based thermoplastic material.

Photo credits: Vecoplan AG

You find more information [here](#). Other languages and high-resolution pictures can be downloaded [here](#).

Vecoplan AG is a leading manufacturer of machines and systems for the resources and recycling industry for shredding, conveying and reprocessing wood, biomass, plastics, paper and other recyclable materials such as domestic and industrial waste. Vecoplan® develops and manufactures the systems and components, and sells them worldwide in the wood reprocessing and waste processing industries. It currently has around 450 employees at its locations in Germany, the USA, Great Britain, Spain, Italy and Poland.

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