



Advanced Waste Conversion & Sustainable Bio-Based Materials



Waste is one of the single biggest challenges to civilization



20%
anthropogenic methane
emissions are caused by landfills

>90%

of waste in low-income countries is openly dumped or burned

>2B

tons of Municipal Solid Waste are produced annually

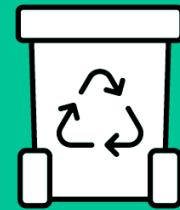
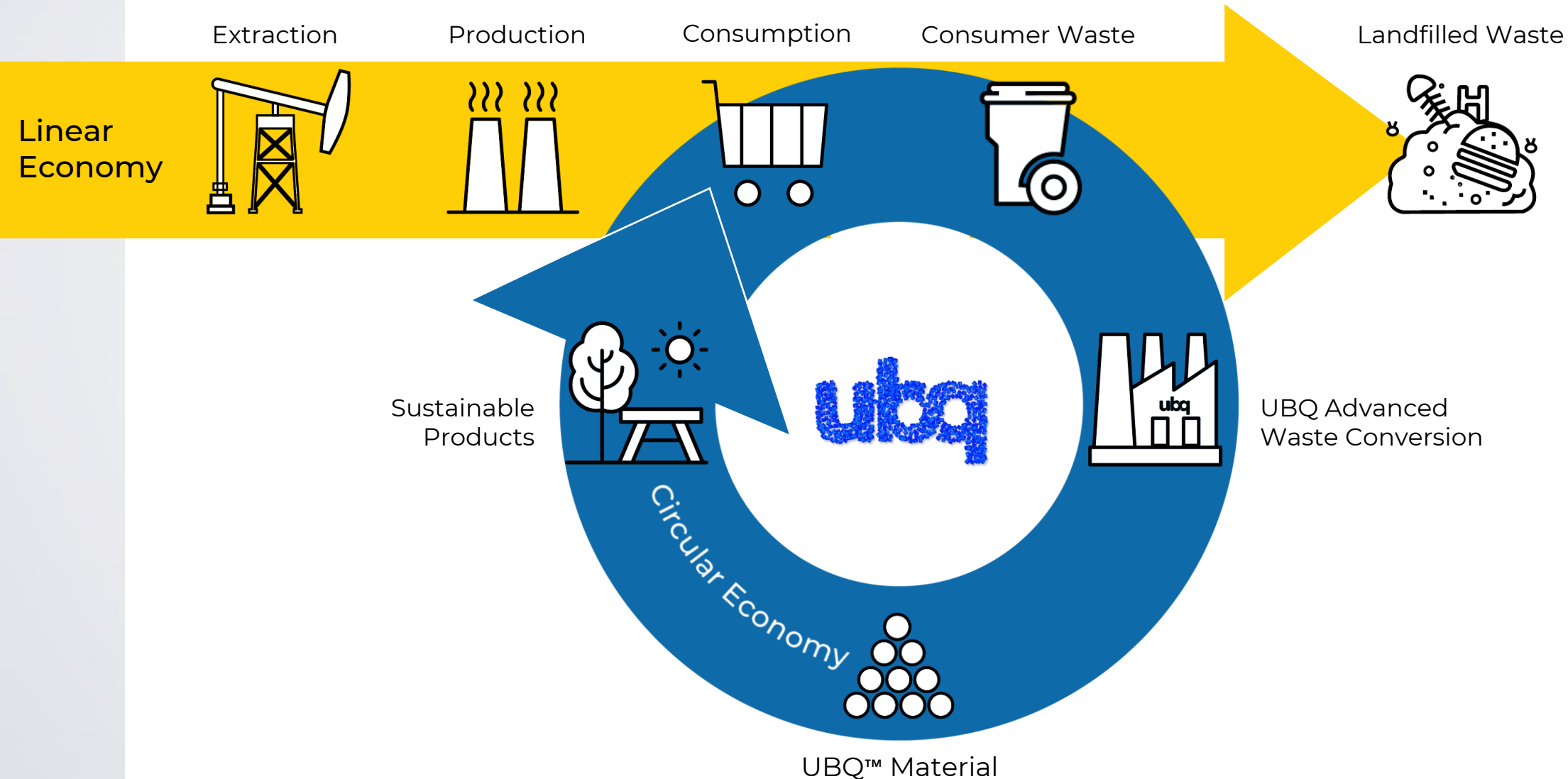
1.6B

tons of CO₂ eq of GHG emissions annually generated from solid waste



Closing the Loop with UBQ™ Material

A stand-alone solution, complementary to existing recycling ecosystems



What about recycling?

- Recycling requires clean, sorted waste streams.
- Only 13% of global MSW is recycled.
- Food waste, mixed plastics, dirty paper & cardboard are all unrecyclable

UBQ uses 100% of this waste!



Converting all, unsorted municipal waste into UBQ™

Emptying landfills, one product at a time

Food
Waste

Dirty Paper &
Cardboard

Garden
Trimmings

Unrecyclable
Plastics



The solution: UBQ™ material snapshot

You see waste, we see a material revolution



GARBAGE

Unsorted household waste diverted from landfills, including all organics.



UBQ™ MATERIAL

UBQ patented conversion process transforms waste into UBQ™ material, a climate-positive thermoplastic. This is a one component conversion, using 100% waste.



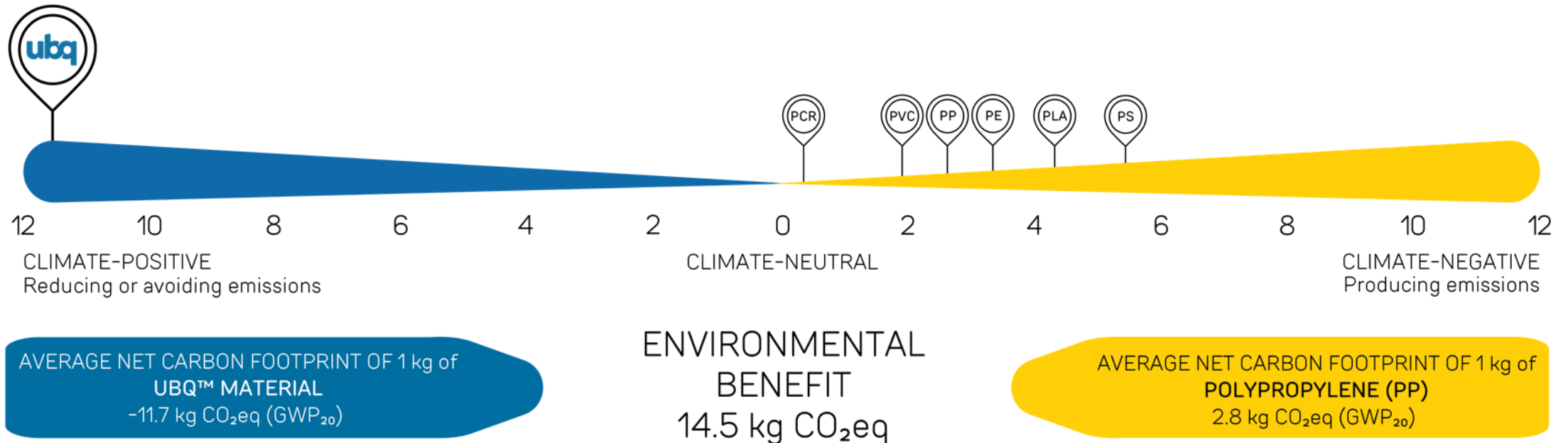
PRODUCTS

UBQ™, a new substitute to oil-based resins can now be used by the industry to create sustainable and climate-positive end-products.

Climate-positive impact

A comprehensive Life Cycle Assessment (LCA) using a time horizon of 20 years (GWP₂₀ - IPCC AR5)

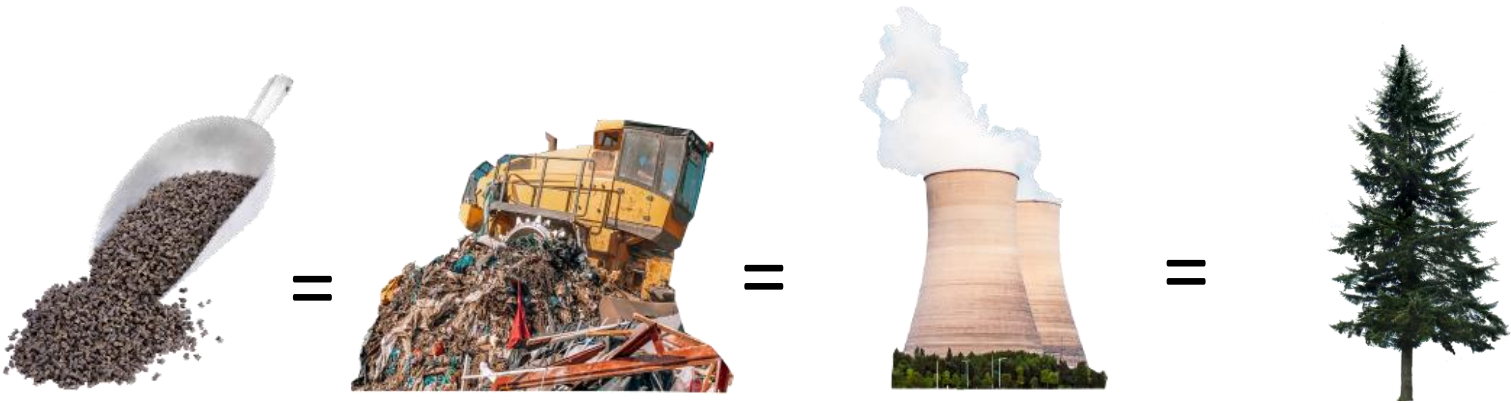
“This positions the UBQ™ Material as the **most climate-positive** thermoplastic material in the market today.” **Quantis**



* Analysis calculates the climate impact of waste diverted from unmanaged landfills in Israel. The climate impact of UBQ™ made in other geographic locations requires individual evaluation.

Environmental impact equivalency

Understanding the massive potential of UBQ™ on global scale



1.0 ton
of UBQ™

1.3 ton
landfill waste diverted

11.7 ton
CO₂eq prevented

948 trees*
Annual CO₂eq
sequestration



Data verified and backed by Quantis based on existing production
*10-year-old conifers



One material, endless climate-positive applications

The name UBQ stands for “ubiquitous”

Logistics & Supply Chain



Consumer Applications



Building & Construction



Automotive





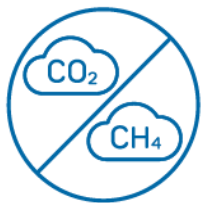
UBQ Materials

Value propositions in a nutshell

What is UBQ™ material?



A bio-based new thermoplastic alternative that enables a truly circular economy.



A climate positive patented material and process, using a proprietary proven technology, that prevents significant amounts of GHG emissions.



Replaces natural and synthetic rubbers as well as hydrocarbon-based polymers.

Impact of UBQ™ material



UBQ repurposes unsorted household waste destined to landfills, including all organics, such as food scrap, cardboard, paper, garden trimmings, diapers and mixed plastics ...



...qualifies as recycled content under most local legislations...



... a highly recyclable, NOVEL, sustainable thermoplastic material, that offers a true circular solution to the global waste crisis

The influences driving environmental change in industrial manufacturing



Governments

are enforcing regulations to meet their national commitments in accordance with the Paris Agreement.



Brands

are setting sustainability goals and are eager to communicate their initiatives and achievements.



Consumers

are looking for real environmental impact and are placing high value on sustainable choices.



You are part of the solution!



Industry leaders choose UBQ™

Leading brands are integrating UBQ™ material across products and throughout their supply chain.

Together, we are leveraging their size and influence to maximize environmental change.



ABInBev



Nestlé



Mercedes-Benz





PepsiCo

Leveraging logistics as an opportunity for impact



PepsiCo is committed to the use of best environmental practices and sustainable materials throughout their supply chain.



Home > News

February 17, 2022 07:16 AM

PepsiCo explores use of recycled UBQ materials in pallets



KAREN LAIRD
Editor, Sustainable Plastics

TWEET SHARE MORE

[Read the full article here](#)



Mercedes-Benz

Developing climate-positive auto parts



Mercedes-Benz AG is the first automotive company to partner with UBQ Materials. UBQ™ is used in internal and external parts of the **Sustaineer Vans** and the new electric **Vision EQXX models.**

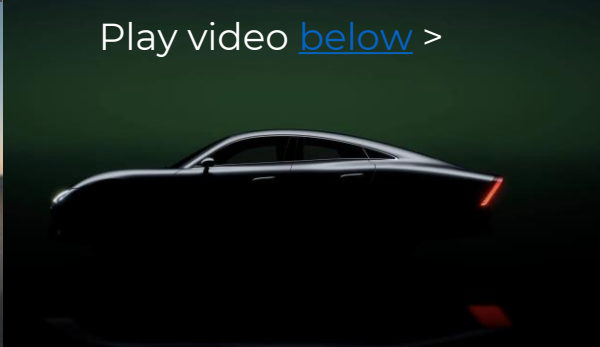


Mercedes-Benz, UBQ Materials Win Automotive Sustainability Award

USA - English

The award, presented by Roland Berger and ATZ/MTZ, highlights groundbreaking sustainability concepts and innovative perspectives in the automotive industry

[Read the full article here](#)



Play video [below](#) >



McDonald's

Serving up climate positive McTrays throughout LATAM



 **McDonald's Corporation**  @McDonaldsCorp · 16h
Can your garbage do this? Across Brazil, @arcosdorados is rolling out McDonald's food trays made from household waste. The biobased plastic, made by @UBQ_Materials, prevents more emissions than it causes.
ow.ly/TF9Z50DCLLe



Partnering with Arcos Dorados, the largest McDonald's franchise in the world to produce 'McTrays' and restaurant parts made with UBQ™.

01-25-21 | WORLD CHANGING IDEAS
These new McDonald's trays are made from food waste
At franchises throughout Latin America and the Caribbean, you'll now get your food served on an innovative new material.



[Read the full article here](#)

Awards

UBQ™ is backed by third party credentials, recognition and industry expertise.



2021 Winner
Energy Globe Award
National



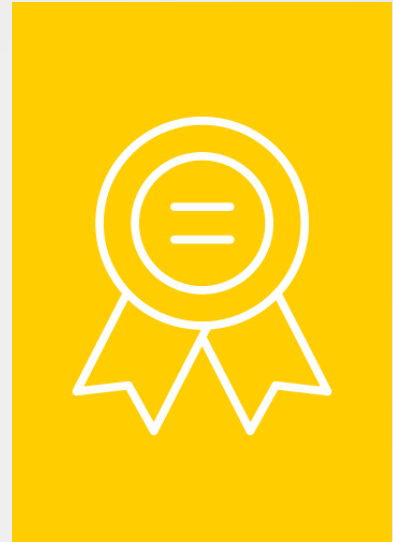
2021 Winner
SEAL Business
Sustainability Award



2022 Winner
SXSW
Innovation Award



2020 Winner
Circular Economy &
Carbon Neutrality
Quality in Innovation



2021 Winner
Sustainability Award in
Automotive



2019 Top 10
Best For
the World Awards
B-Corporation



2020 Winner
Innovation in Plastics
Future of Plastics



2020 Winner
MB 100 List
Meaningful Business



2019 Efficient
Solution Label
Solar Impulse
Foundation



2019 Winner
Leadership in Innovation
Re/FOCUS Sustainability



2020 Winner
Innovation in Plastics
Future of Plastics

Israel

Commercial production since 2019

◆ **2021 +**

Global expansion in The Netherlands

Continued development of materials portfolio and applications

◆ **2020**

UBQ™ validation with world class Brands & Manufacturers

Expansion of international, cross-industry client base

◆ **2019**

UBQ becomes commercial

Market launch of UBQ™

◆ **2018**

Completion of:

- Plant upscaling in Israel
- Commercial trials
- Product standards & certifications

◆ **2013**

Installation of pilot R&D plant

◆ **2012**

UBQ established





UBQ Materials raises \$170 Million

Funding global expansion to localize waste-to-production cycle

KrASIA ABOUT TRENDING

NEWS

UBQ Materials raises USD 170 million to convert waste into sustainable plastic substitute

Written by NoCamels

Published on 17 Dec 2021 • 2mins read

Share



recycling today

TPG Rise invests in UBQ Materials to convert waste into recyclable plastic substitute

The investment will fund the company's global expansion to meet growing demand.

December 21, 2021

Alex Kamczyc



Startups

UBQ Materials raises \$170 million to convert landfill waste into recyclable plastic substitute

The Israeli company has developed a technology that turns municipal solid waste, including all organics, into a climate-positive plastic alternative

Meir Orbach | 16:00 15.12.2021

ESG Today

Are you struggling with ESG data quality or looking for a partner that can scale up coverage? We've got the answer!

SustainoMetric Experience ESG research quality like never before!

Waste-to-Recyclable Plastics Startup UBQ Materials Raises \$170 Million to Fund Global Expansion

Posted by Emanuela Kerencheva | Dec 17, 2021 | Companies, Environment, Investors, Private Equity | 0 | ★★★★★

Waste 360

Register Now Log In

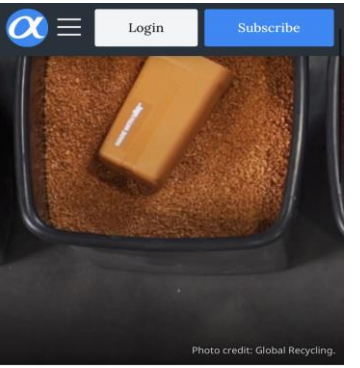
Business

NEED TO KNOW

PRESS RELEASE

TPG Rise Leads \$170M Investment in UBQ Materials

Dec 17, 2021



December 20, 2021 | Climate Finance

UBQ Materials raises \$170 million to produce thermoplastics from waste

Venture Capital Journal

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News Briefs

UBQ Materials snaps up \$170m

UBQ Materials, a developer of climate-positive thermoplastic material, has raised \$170 million in funding.

By Iris Dorbian - 15 December 2021

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Venture Capital Journal

News Briefs

CW CompositesWorld

3/24/2021 | 1 MINUTE READ

UBQ Materials awarded ISO certifications for waste-derived thermoplastic

The Israeli startup's bio-based material achieves international recognition as a raw material for industrial manufacturing applications.

#sustainability

EDITED BY HANNAH MASON
Associate Editor, CompositesWorld



Israeli climate-tech companies raise \$2.2 billion in 2021, 57% higher than 2020 record

The four highest funding rounds each came in different fields, with Future Meat raising \$347 million, Wiliot raising \$200 million, UBQ Materials raising \$170 million, and VIA raising \$130 million

CTech | 14:33 22.12.2021

TE

UBQ Materials' plastic replacement product attracts \$170M from impact investor TPG Rise

Mike Butcher

@mikebutcher / 1:21 pm PST • December 15, 2021



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M&A, CORPORATE AND FINANCIAL NEWS

UBQ Materials Raises Millions

by AXEL BARRETT December 17, 2021

Leave a Comment

UBQ Materials Raises \$170 Million!

PT Plastics Technology

1/3/2021 | 1 MINUTE READ RECYCLED MATERIALS

UBQ Materials and Bazan Group Sign Agreement for Usage of Waste-Based Material

The UBQ thermoplastics will be incorporated into the development of a new resin market offering of specialty polypropylene.

#sustainability

UBQ Materials, a company that converts unsorted landfill-destined waste into thermoplastic (UBQ), has signed an agreement with Bazan Group's wholly-owned subsidiary, Carmel Olefins (CAOL).

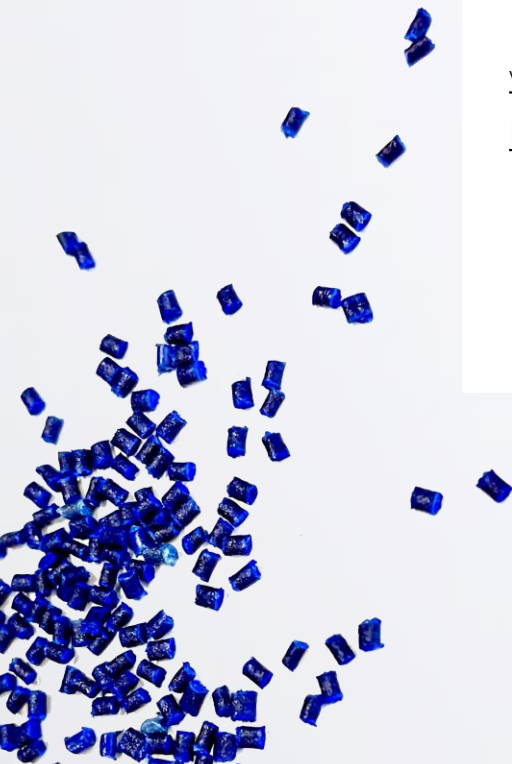
Netherlands

Industrial scale expansion Q4 2022

- 80,000 metric tons UBQ™ production capacity
- (60% already committed)
- 104,600 metric tons of waste diversion
- 912,614 metric tons of CO₂eq avoided*
- Equal to annual CO₂eq sequestered from 74M trees*



* Calculated using ISO-compliant LCA from Israeli-made UBQ™



Thank You

www.ubqmaterials.com
hello@ubqmaterials.com



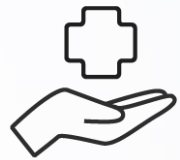
Diverting Waste



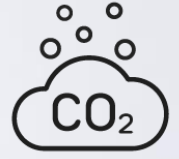
Circular Economy



Bio-based



Certified Safe



Preventing GHG Emissions



Recyclable



Standard Industry Compatibility