

# Advanced Waste Conversion & Sustainable Bio-Based Materials

May 2021





Waste is one of the  
single biggest  
challenges  
to civilization

---

**+90%**

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

**+2B**

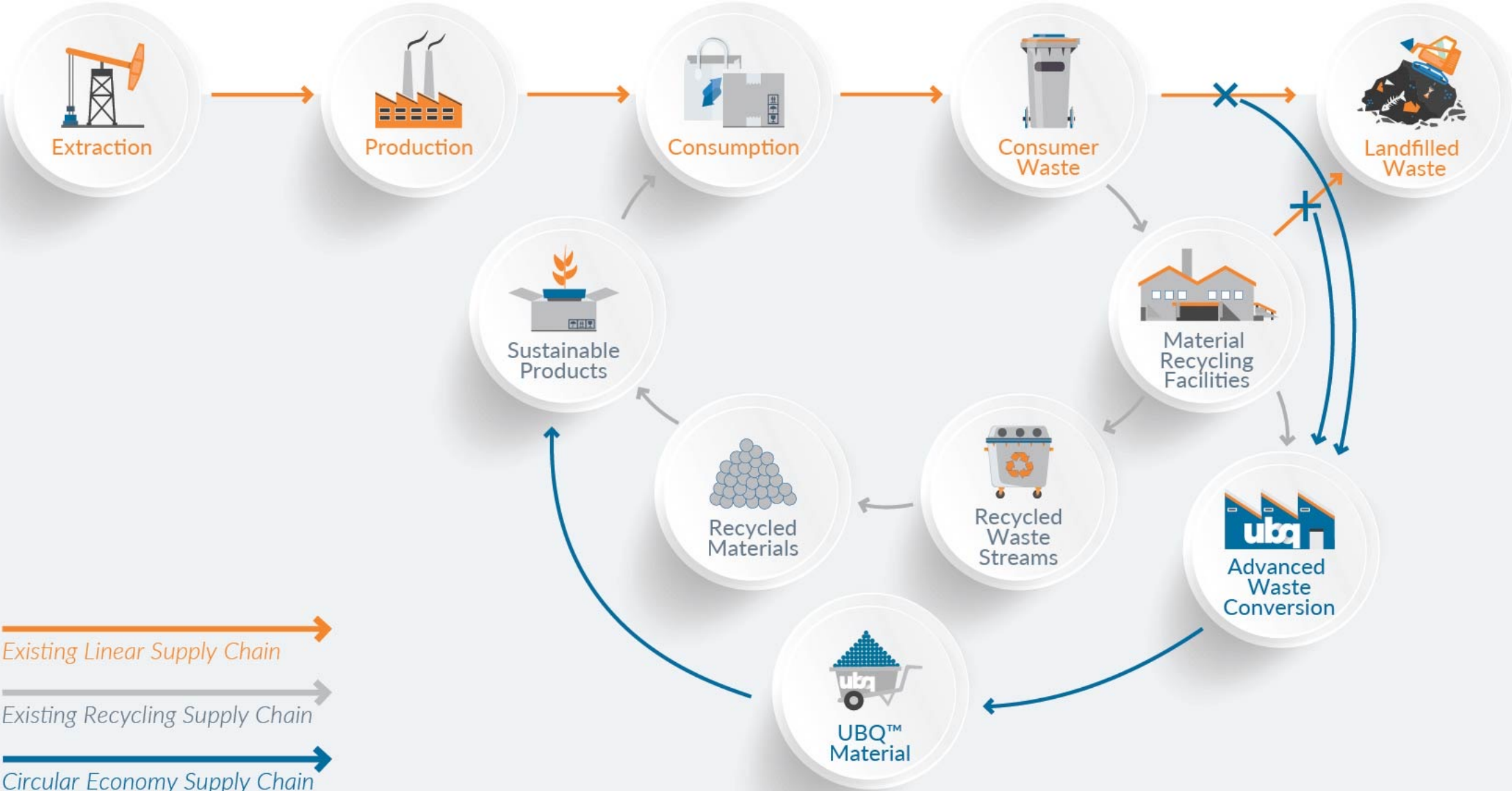
tons of Municipal  
Solid Waste are  
produced annually

**1.6B**

tons of CO<sub>2</sub> eq of  
GHG emissions  
annually generated  
from solid waste

Source: [What a Waste 2.0: A Global Snapshot  
of Solid Waste Management to 2050](#) (2018)

# Closing the Loop with UBQ™ Materials



# UBQ's Commercial Plant

State-of-the-art industrial facility with commercial operations supplying the plastics industry since Q4, 2018



# Residual Unsorted Municipal Waste

Substantially unsorted post-recycling residual waste with high concentrations of organics, including non-recycled plastics destined for landfill





Food  
Waste



Garden  
Waste



Dirty Paper  
& Cardboard

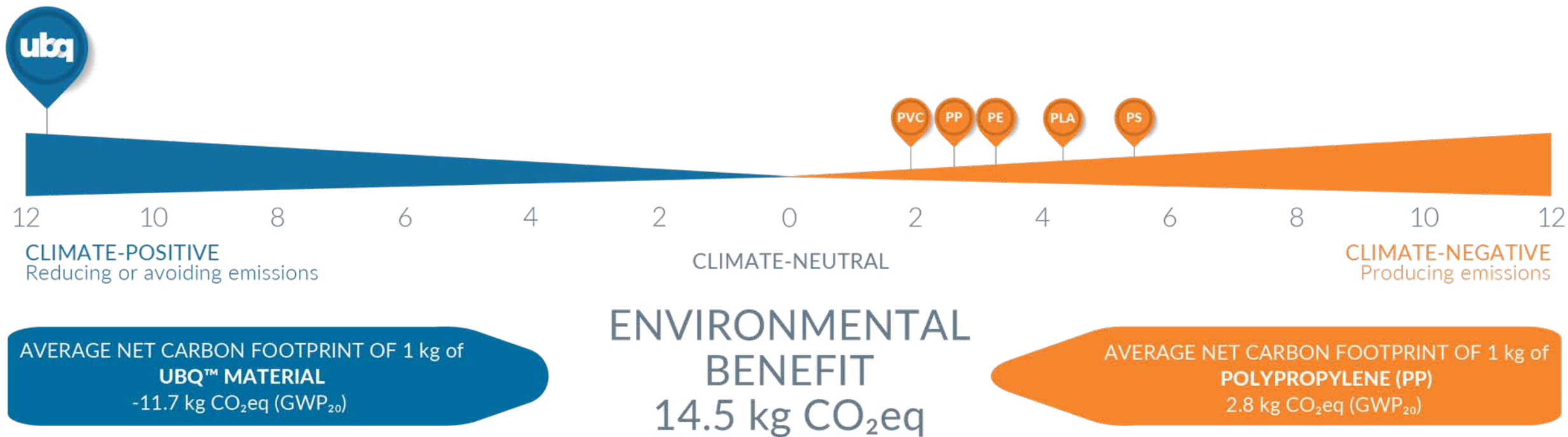


Unrecycled  
Plastic Waste



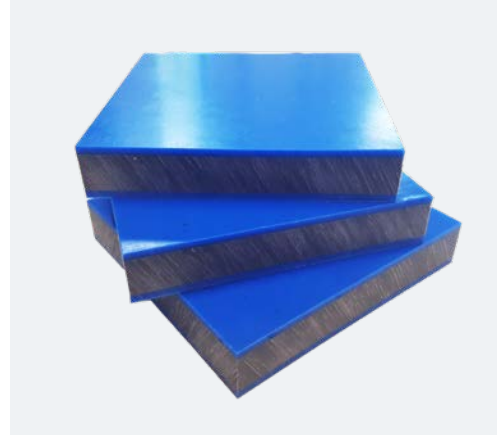
# A Little UBQ™ Goes a Long Way

A comprehensive LCA using a time horizon of 20 years (GWP<sub>20</sub> - IPCC AR5)



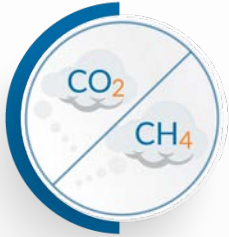
“To the best of our knowledge, this positions the UBQ™ Material as the most climate positive thermoplastic material in the market today.”

# Climate Positive Products made with UBQ™



# UBQ Materials – in a nutshell

## What is UBQ™ material?



A **sustainable material alternative** to oil-based plastics, wood and minerals. A commercially proven technology that **prevents significant** amounts of **GHG emissions**



A climate positive **patented material** – “**The Greenest Thermoplastic in the Market**” - Quantis



Using waste, a **negative cost feedstock material** and an **efficient production process** to deliver value to all stakeholders

## 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 ...



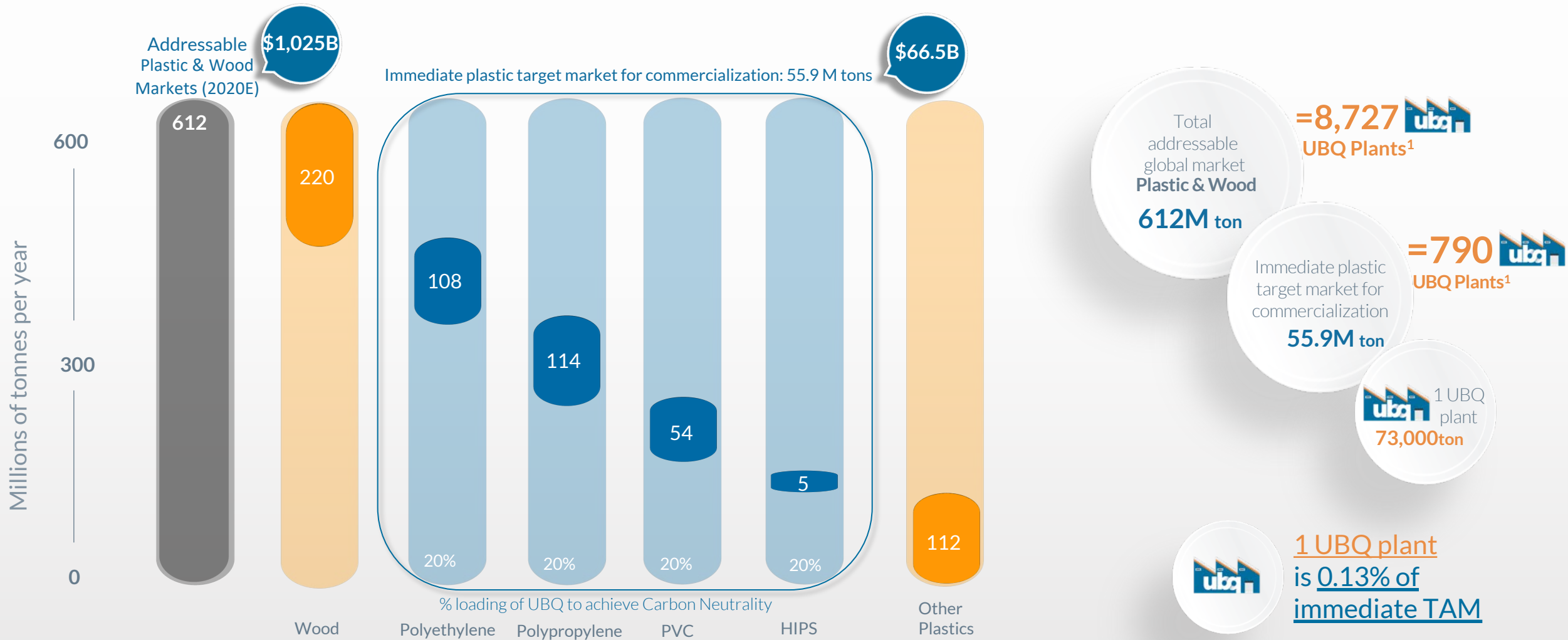
... using a **patented conversion technology and manufacturing process** ...



... to deliver a highly recyclable, **NEW sustainable thermoplastic UBQ™ material**, that offers a **true circular solution** to the global waste crisis

# The total addressable market for UBQ™ material is over \$1 trillion

UBQ plants in the business plan represent a tiny share of overall market





## Trusted by Leading Brands

Early adopters of UBQ™  
paving the way for entire industries.



# This tray is fighting global warming.

And it is not alone. Manufacturers can now create thousands of products that positively impact our world without compromising on profitability. How is this possible? These items are made with UBQ™, the greenest thermoplastic on the market. UBQ™ is a patented biobased material converted from unsorted household waste. Emptying landfills, one product at a time.

**ubq**



**ubq**

# Sustainability innovation that stands out

Awards and recognition from reputable sources across categories

## Industry



2020 Winner  
Quality  
Innovation  
Award



2020 Winner  
Innovation in  
Plastics  
Future of  
Plastics



2019 Winner  
Leadership in  
Innovation  
Sustainability



USDA  
Bio Preferred  
Certified bio-  
based product  
label  
for UBQ™

## Sustainability



2021 Winner  
SustainIL2021



2020 Honoree  
Most Innovative  
Companies  
Fast Company



2019 Winner  
Bio Markets Insights  
Best Use  
of Alternative  
Feedstocks



2019 Top 10  
Best For the World  
Awards  
B-Corporation

## Thought Leadership



2020 Winner  
MB 100 List  
Meaningful Business



2019 Honorable mention  
World Changing Ideas  
Fast Company'



2019 Efficient Solution Label  
Solar Impulse Foundation

# UBQ Leadership, Investors & Strategic Partners



**JACK (TATO) BIGIO**  
CO-FOUNDER AND CEO

Vast experience in development and building of industrial scale facilities around the world. Tato was also President & CEO of Ampal Holdings (NASDAQ & TASE).



**ALBERT DOUER**  
EXECUTIVE CHAIRMAN

Senior Investor financially and operationally committed to UBQ. Over 30 years of experience in the plastics and petrochemical industries running the Darnel Group.



**YEHUDA PEARL**  
CO-FOUNDER AND  
HONORARY CHAIRMAN

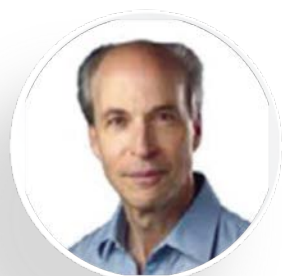
Angel investor since incorporation bringing vast marketing experience from the food industry having founded, developed and sold Sabra Dipping Company



**SCOTT TOBIN**  
INVESTOR AND  
DIRECTOR

Director and Investor. Scott is managing partner at Battery Ventures, a leading international venture capital fund

# International & Scientific Advisory Board



**PROF. ROGER KORNBERG**

Nobel Prize Winner in Chemistry (2006) and Prof. at Stanford Medical School.



**CONNIE HEDEGAARD**

Former European Commissioner for Climate Action (2010 - 2014).



**JOHN ELKINGTON**

Chief Pollinator at Volans, Sustainability Expert, Author and Entrepreneur.



**PROF. ODED SHOSEYOV**

Faculty member at the Hebrew University of Jerusalem, Biology department



**DR. GLENN FROMMER**

Former CSO at MTR Corp, UITP Sustainable Development Commission.



**DR. ILAN COHN**

Owner & MD, RCIP 2015 IAM Patent 1000 The World's Leading Patent Practitioners.



EVERYTHING MATTERS



[www.ubqmaterials.com](http://www.ubqmaterials.com)



[hello@ubqmaterials.com](mailto:hello@ubqmaterials.com)



[@UBQMaterials](https://www.facebook.com/UBQMaterials)



[@UBQ\\_Materials](https://twitter.com/UBQ_Materials)



[@ubq\\_materials](https://www.instagram.com/ubq_materials)



[@UBQ-Materials](https://www.linkedin.com/company/UBQ-Materials)

