

PRESS RELEASE

Tetra Pak announces partnership with Advanced Mat to enhance circularity of used beverage carton

- *This collaboration seeks to enhance the value of recycled products, increase Thailand and global waste collection and recycling, and promote circularity across the value chain.*
- *Advanced Mat showcases products made from recycled beverage cartons and other sustainable solutions at the Baan Lae Suan Midyear 2024 event.*

Bangkok, Thailand (8 August 2024): Tetra Pak, a world-leading processing and packaging solutions company, has announced a strategic partnership with Advanced Mat, a Thai brand pioneering the transformation of used materials into high valued furniture products. The collaboration aims to highlight solutions for used beverage carton recycling supply chain and increase the value of recycled products, through technology and commercial support of raw materials, quality improvement to recycling consultation, and expanding the business network.

Thailand's recycling industry is on the rise. According to a Krungthai Compass report in 2020, the sector's total value is expected to reach 224 billion baht in 2024, accounting for 1.2% of the country's GDP.¹ The Pollution Control Department of Thailand reported that the country produced approximately 27 million tons of waste in 2023, with a recycling rate of only 34.5%.² Among the various types of waste, beverage cartons present challenges due to their multilayered composition and readiness of collection and recycling structure in the country.

Advanced Mat is a pioneer in recycled products thanks to its emphasis on added value and unique stories. With innovative designs made from less common materials, Advanced Mat's products excel in both function and aesthetics. The company is dedicated to transforming discarded materials into high-quality products, promoting a sustainable lifestyle for the people of Thailand.

For over a year, Tetra Pak and Advanced Mat have collaborated to develop advanced recycling processes that convert polyethylene and aluminium foil (PolyAl) residue of used beverage cartons into composite plastic pellets, which sparkle like aluminium flakes. These plastic pellets can be transformed into various products, from small décor items and furniture to large traffic barriers.

Examples of Advanced Mat Products from Recycled Beverage Cartons

Advanced Mat has introduced a range of recycled products to the market, including:

- **CIRO roof:** An aluminium roof with recycled insulation panel that features excellent heat and UV reflection properties, durability and rust resistance while being lightweight and easy to transport.

¹ [Create opportunities from waste, with a recycling platform report, KrungThai Compass](#)

² Pollution Control Department of Thailand, 2023 retrieved from https://thaimsw.pcd.go.th/report_country.php

- **Strata wall panel:** A 3D wall panel made from entire recycled materials that is simple to set up and customize with many styles and colours, offering a unique design for any space.
- **Bracket stool:** A blend of wood and recycled materials, this stool features a distinctive sparkling aluminium finish and comes in various shapes and colours, making it an adaptable addition to any setting.
- **Sushi street furniture:** This modular, recycled outdoor furniture mimics the appearance of terrazzo stone benches but is lighter-weight and weather-resistant. Its versatile design makes it ideal for stylish and flexible public spaces.

Patinya Silsupadol, Head of Sustainability at Tetra Pak (Thailand) Limited, said, “Our partnership with Advanced Mat illustrates the importance of collaboration in achieving sustainability goals. We appreciated their determination and success of developing advanced recycling process—converting PolyAl of used beverage cartons into composite plastic pellets—which is a significant milestone for our circularity ambition of promoting waste reduction and creating opportunities for the local recycling industry.”

Vitsarut Janpaen, Managing Director at Advanced Mat Company Limited, said, “Advanced Mat is proud to be one of Tetra Pak’s partners in pursuing circularity. In this strategic initiative, our innovative recycling process enables us to transform materials once destined for landfills into high-quality, uniquely designed products, adding value to what was once considered waste. This valuable partnership will enable us to advance our mission and promote innovative recycled products in Thailand.”

Tetra Pak and Advanced Mat are showcasing a wide range of recycled products and sustainable initiatives at the Baan Lae Suan Midyear 2024 from today to August 11 at BITEC. Guests can visit us at **The Room Showcase in the Selected Zone between Hall EH102-103** (booth M19-22) to discover the latest products created from repurposed beverage cartons.

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ABOUT TETRA PAK

Tetra Pak is a world leading food processing and packaging solutions company. Working with our customers and suppliers, we provide access to safe, nutritious food for hundreds of millions of people in more than 160 countries every day.

With over 24,000 employees worldwide, we commit to making food safe and available, everywhere, and we promise to protect what’s good: food, people, and the planet.

More information about Tetra Pak is available at www.tetrapak.com/th.

ABOUT ADVANCED MAT

Advanced Mat has been operating business to supply raw material for manufacturers. We strongly realized the environmental issues resulting from used materials that very complex to manage, non-reusable, and burying or incinerating needed, leading to waste and environmental impact afterward. Consequently, we have researched in collaboration with the educational institute to develop waste processing for further renewal as well as to enhance material property meeting other requirements.

More information about our products, please visit us at www.ciro.asia

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