

Realizing a “Sustainability Revolution” from Japan to the world

2023.11/27

TBM Co., Ltd.

Daiki Sato (Regional Sales Director, APAC)

The image shows a modern interior space with a curved wall. On the wall, the letters 'TBM' are illuminated in a bright, glowing font. Below the logo, a large, conical pile of grey and blue stones sits on a light-colored base. The ceiling is white with recessed lighting. The overall atmosphere is clean and professional.

TBM



T B M

Times Bridge Management

We aim to be a top player in the sustainability field as a company that will continue to take on challenges for hundreds of years and serve as a bridge between the past, present and future.

TBM's Circular Business Model

TBM is developing a sustainable circular business model with ecological new materials "LIMEX".

We aim to reduce virgin material usage and accelerate material circulation.

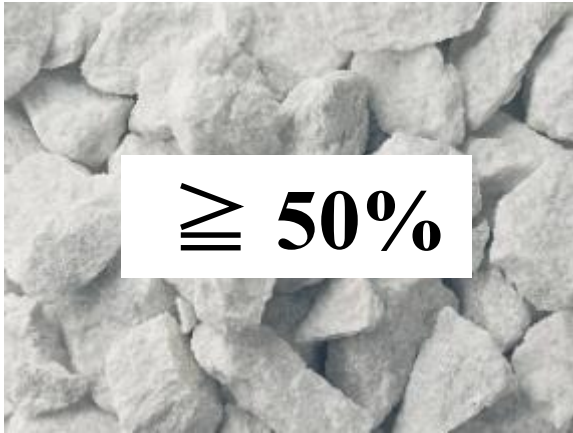




LIMEX

What is LIMEX?

LIMEX is an inorganic filler composite material mainly made of limestone.
It can be used as **plastic and paper alternatives**.



Limestone
(Inorganic Materials)



Plastic Resin



LIMEX is patented in over 40 countries

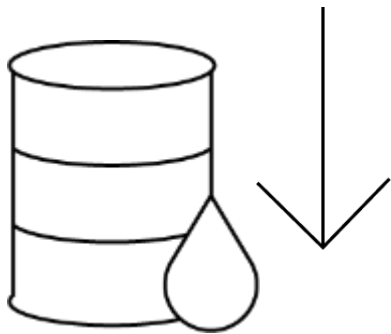
Ecological Advantages



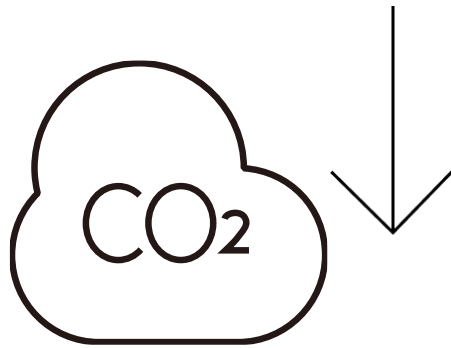
Alternative to plastic



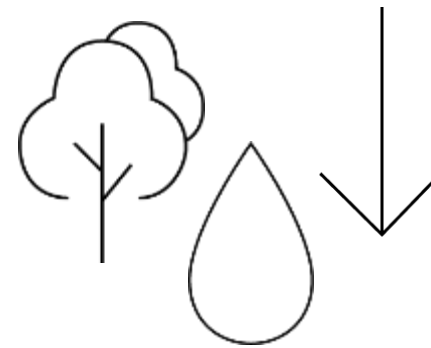
Alternative to paper



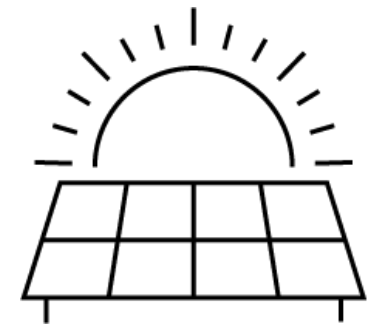
Reduce Plastic



Reduce Greenhouse Gas



**Save
Tree & Water Resources**



**Manufactured using 100%
renewable energy**



Massive range of lineups drives true sustainability

Plastic Reduction

CO₂ Reduction

No machinery change to mold*

Saves Water Resources

Saves Forests (No pulp used)

Water Resistant & Durable



Document Folder



Shopping Bag



Garbage Bag



Hanger



Corporate Report



Catalogue



Map



Menu



Food tray



Cups



Fan



Backlit Signage



Booklets



Name Cards



Envelop & DM



POP



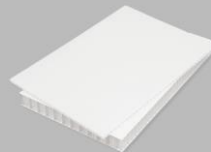
Sealant package



Pen



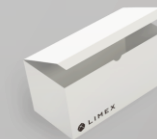
Cosmetic jar



Construction Materials



Pamphlet



Box Package



Poster



Label

Overseas expansion of LIMEX



LVMH's cosmetic brand KENDO

CC stick packaging

Over 50% inorganic material



Big C

Shopping Basket

Below 50% inorganic material

Overseas expansion of LIMEX



Events and exhibitions

Printing Material

Over 50% inorganic material



Shopping Bags

Over 50% inorganic material



Material Circulation



Recycle Plant for LIMEX & Plastics

TBM launched a LIMEX & plastic recycling plant in Yokosuka City, Japan, to meet the growing demand of recycling.



Annual processing capacity:
approx. **40,000** tons

Production capacity:
approx. **24,000** tons of recycled pellets

1. The world's first plant to automatically sort and recycle LIMEX and plastic wastes
2. One of the largest plastic recycling plants in Japan
3. Advanced ability to recycle plastic waste discarded from offices and factories
4. Pioneering the recycling of household plastic



Products made with recycled material “CirculeX”

Umbrella

Umbrellas made from CirculeX are delivered nationwide with cross-industry collaboration.



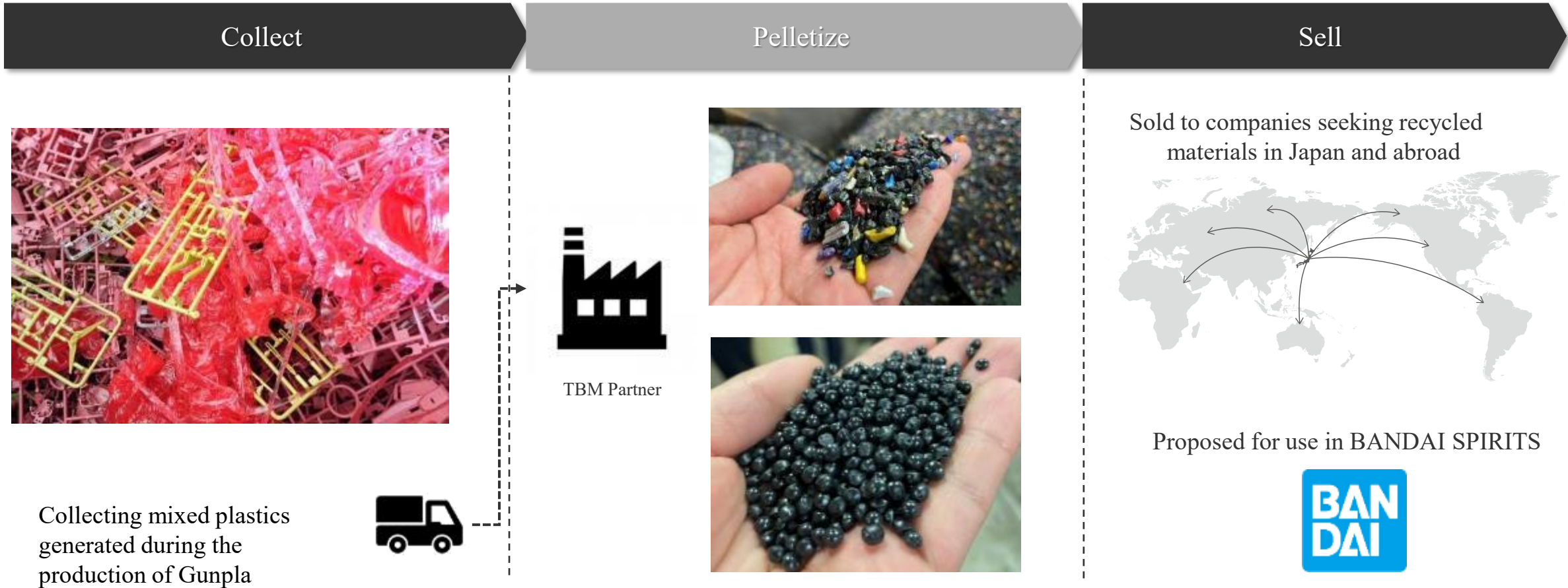
Waste Bag

LAWSON switched waste bags from virgin plastic to CirculeX waste bags made from plastic waste collected from Southeast Asia.



Material Recycling Loop : BANDAI SPIRITS

Mixed plastics that has been disposed of as industrial waste are purchased and sold to partners in Japan and overseas



Global Activities



3 key factors for global expansion

Intellectual property strategy

- LIMEX is patented in over 40 countries worldwide
- Received “Intellectual Property Achievement Award 2022” from METI

Design for fables

- LIMEX can be manufactured and processed with existing and major plastic compounding and molding equipment, no need for new investments
- Establishment of local subsidiary in Vietnam to provide technical supports towards OEM partners and providing a flexible supply chain

Collaboration with global partners

- SK Group agreed on a \$123 million capital and business alliance to accelerate the global expansion of LIMEX and the development of biodegradable LIMEX



World-class recognition



Registered in “STePP”
the sustainable technology
dissemination platform by UNIDO



Introduced at COP
as a member of the Japanese
government delegation



Participated at
the G20 Innovation Exhibition



TBM Joins World Economic Forum's
Unicorn Community



Introduced at G7
as a member of STePP

Ambitious mid-term goal “TBM Pledge 2030”



Go Carbon Negative by 2030

We aim for more greenhouse gas emissions reduction than the amount we emit throughout our value chain.



Go Circular

We aim to circulate 1 million tons of LIMEX and plastic in 50 countries.

Thank you for listening

Visit our corporate site for more information!



<https://tb-m.com/en/>