



HEMIX



HEMIX™

(Hemicellulose)

Bioplastics utilizing
wastes from
agriculture, forestry
and fisheries

Hemicellulose Ltd.



The world's first company that developed and manufactured bioplastic resin using **Hemicellulose**

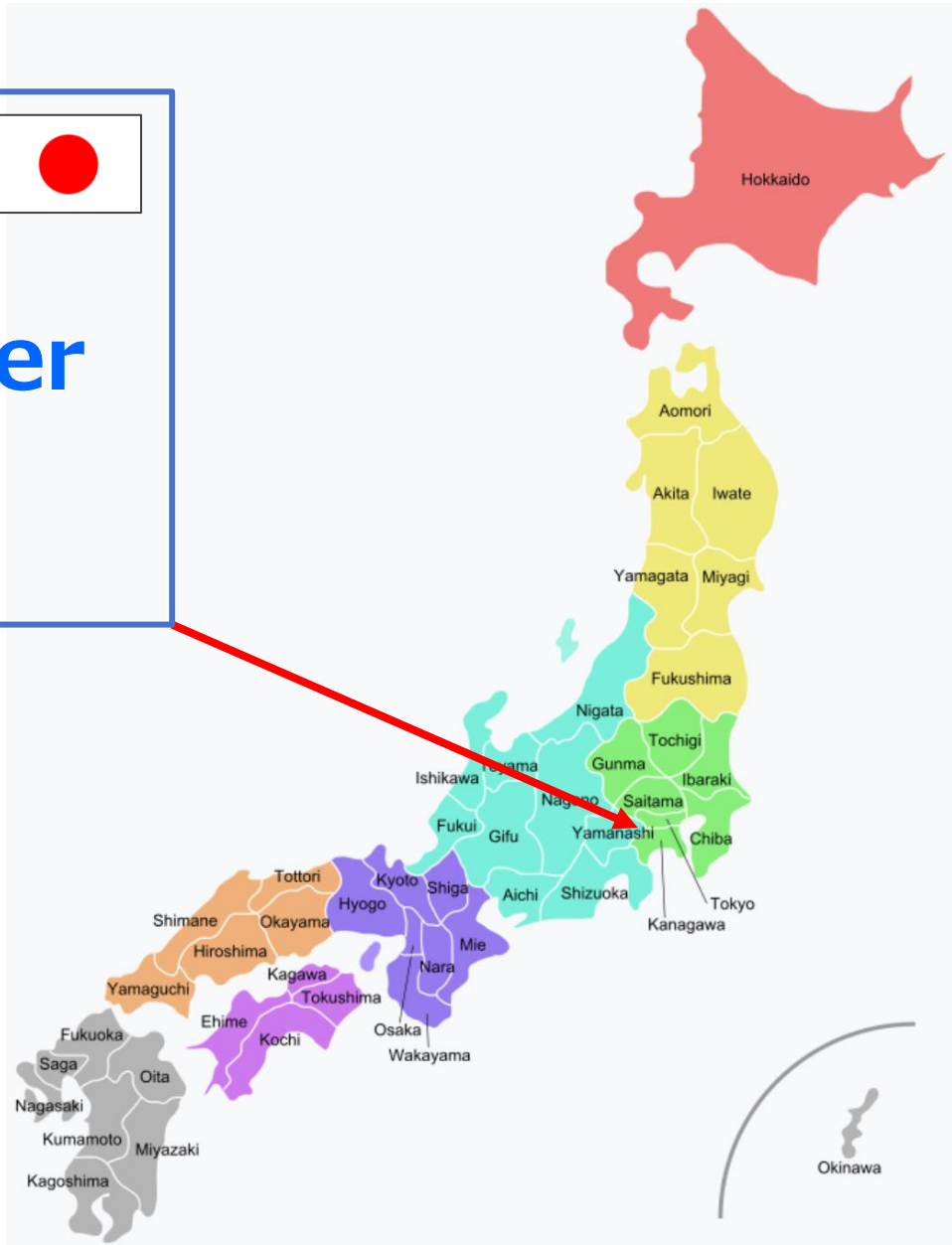
Original chemo synthesis technology that makes bioplastic resin **more transparent and resilient**

- ◆ **Company Name :** *Hemicellulose Ltd.*
- ◆ **Location:** *Kawasaki City, Kanagawa Pref., Japan*
- ◆ **Business Field:** *Bio-plastic Business*
(Hemicellulose resin development, production, sales)
- ◆ **Group Company:** *Business Innovation Partners Co., Ltd.*
(Research & Consulting)

HEMIX™ Bioplastic R&D, Manufacturing Center



in Kawasaki-city,
Greater Tokyo Area



A large, jagged blue iceberg dominates the scene, with a smaller piece of ice falling from its center into the dark water below, creating a white splash. The background shows a hazy, mountainous landscape under a clear sky.

**We must keep
global temperature rise
to below 1.5 °C**

with Hemicellulose

Our Mission

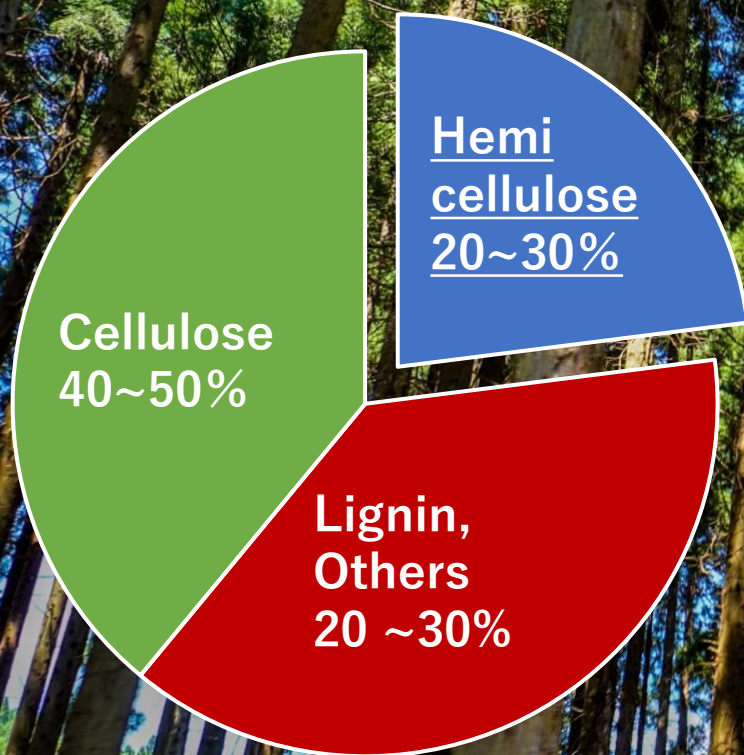


We will rejuvenate the global environment by using Hemicellulose.



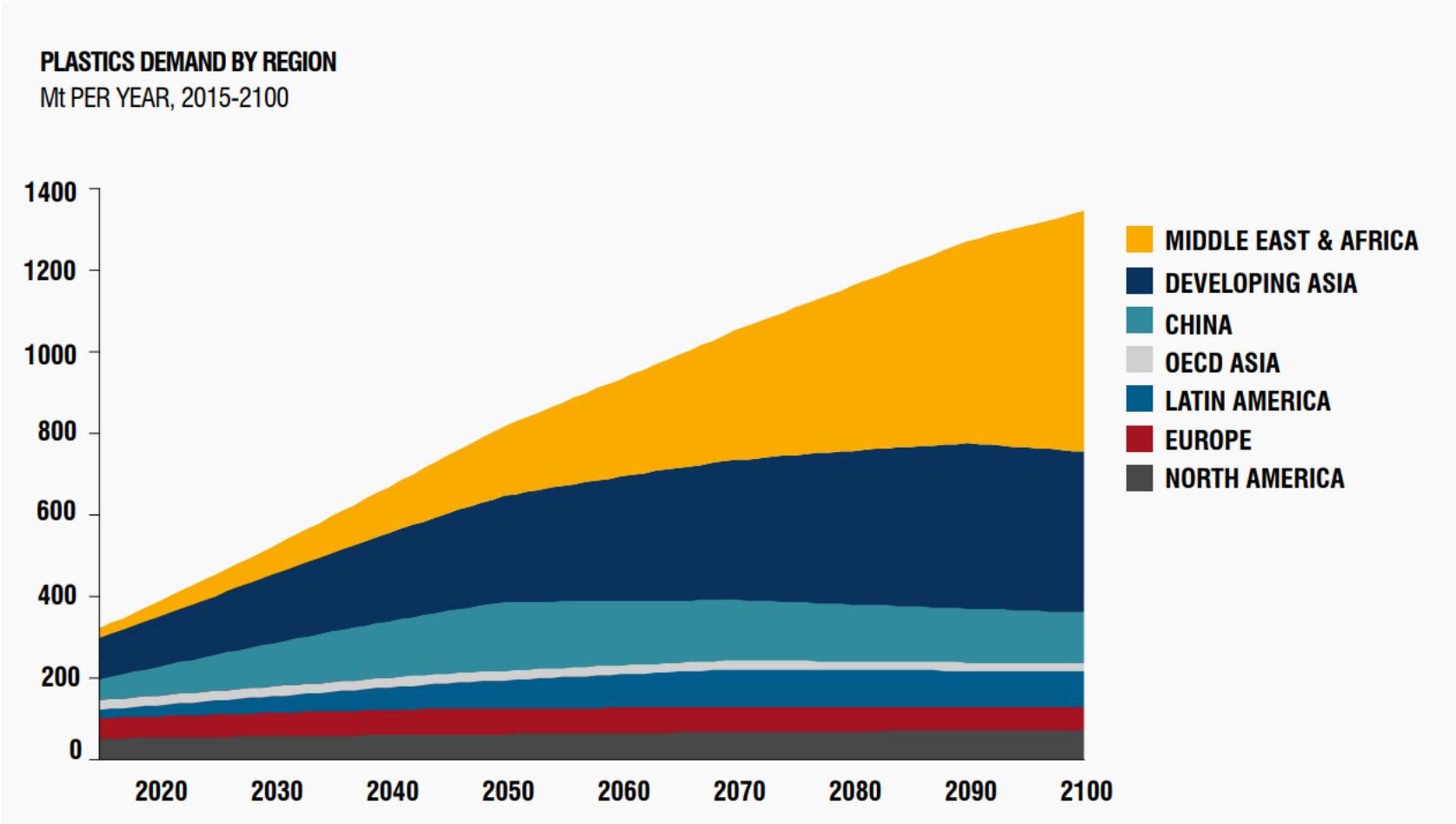
Hemicellulose

Composition

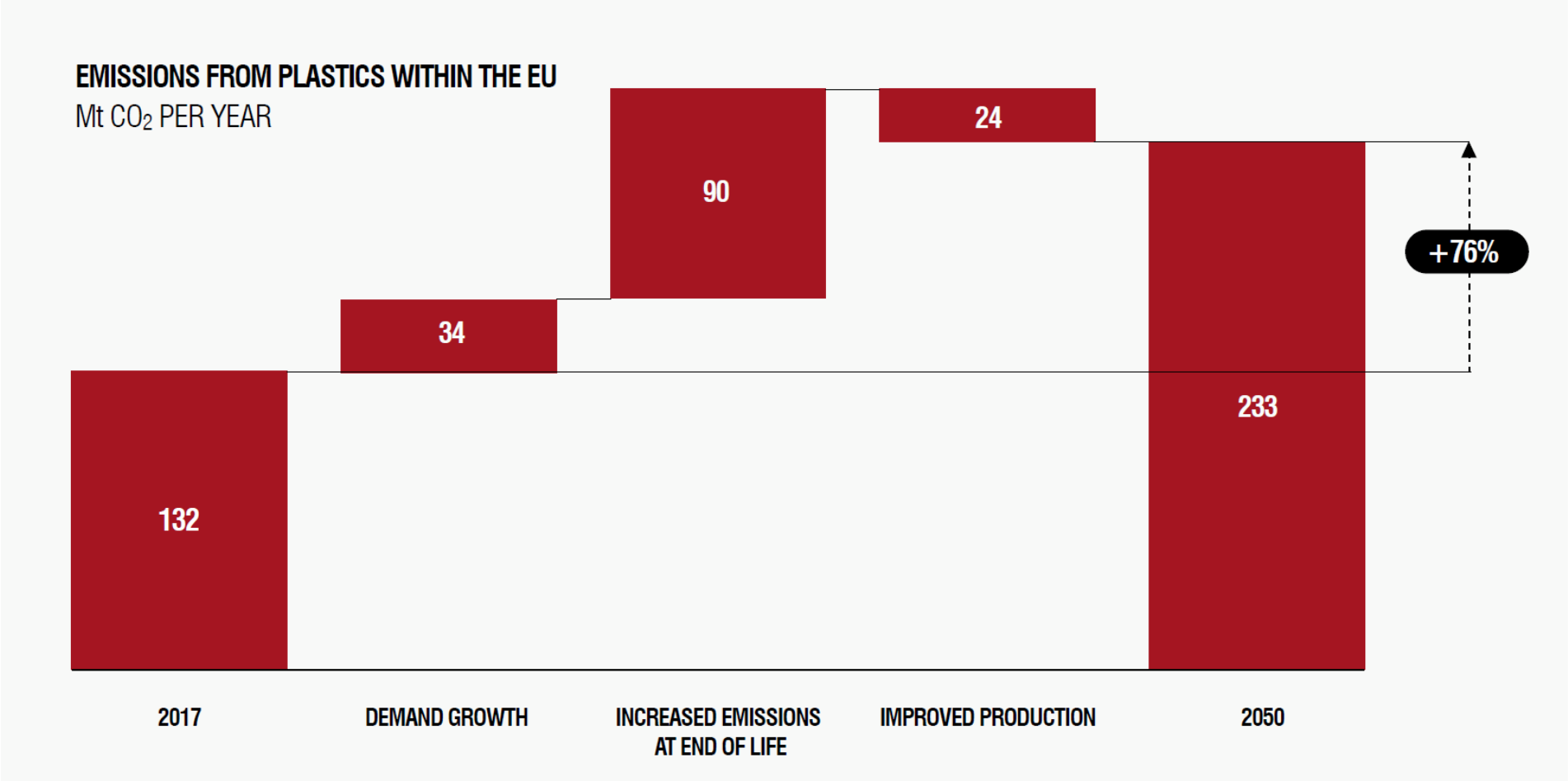


- ✓ Hemicellulose is an insoluble polysaccharide, 20-30% present in almost all terrestrial plant cell walls.
- ✓ Hemicellulose is one of the world's most underused natural resources.

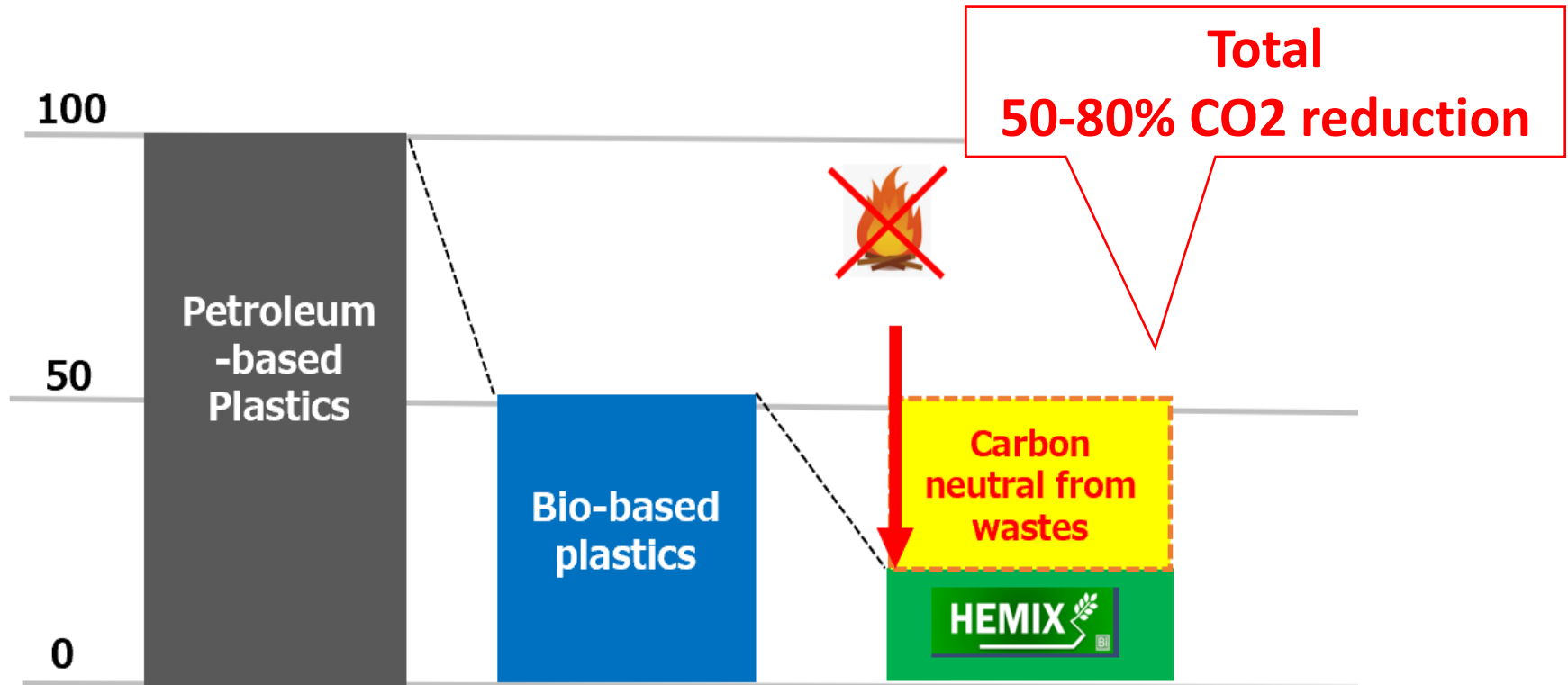
Seen from a global perspective, plastics demand will increase significantly.



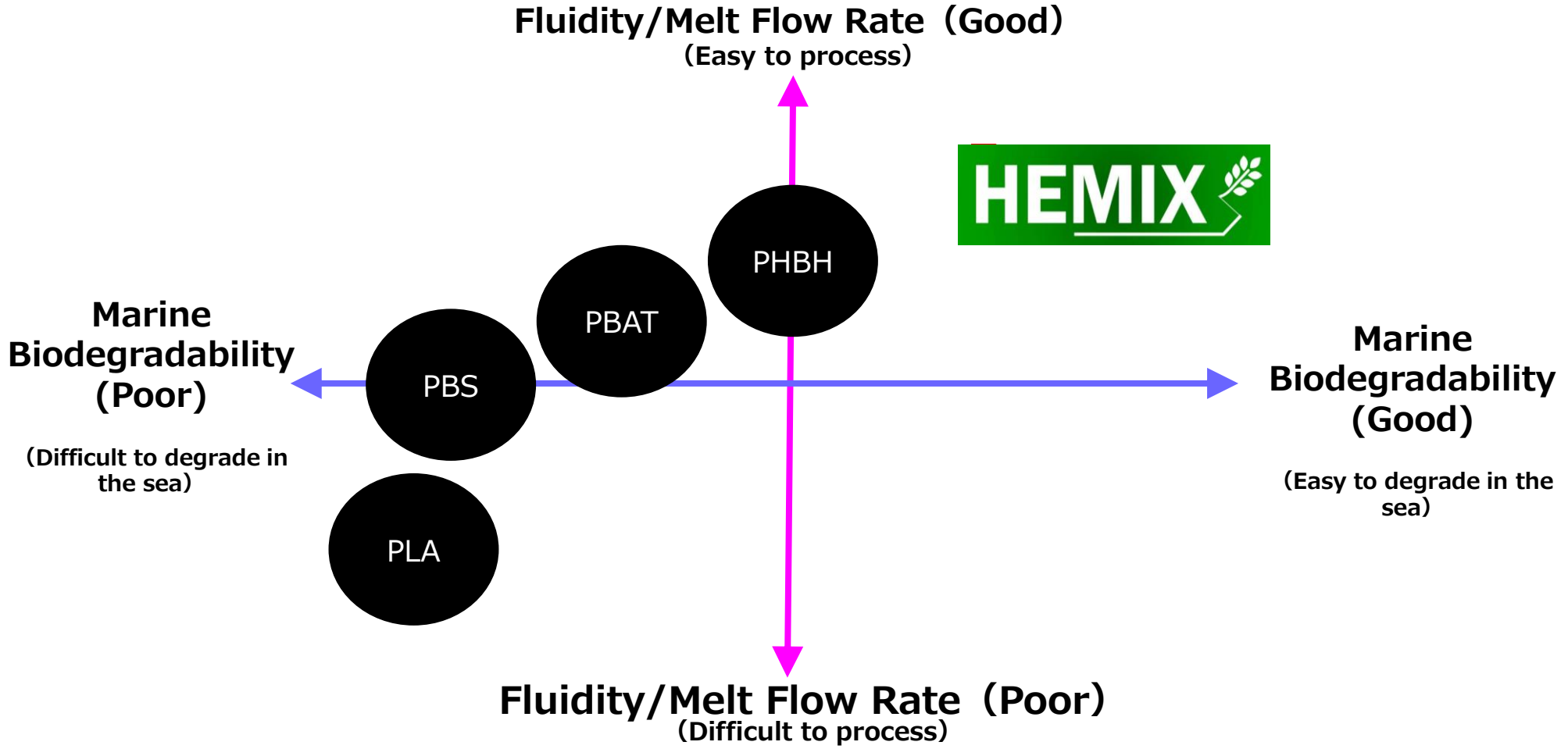
In case of UE, CO2 emissions from plastics could increase by 76% by 2050.



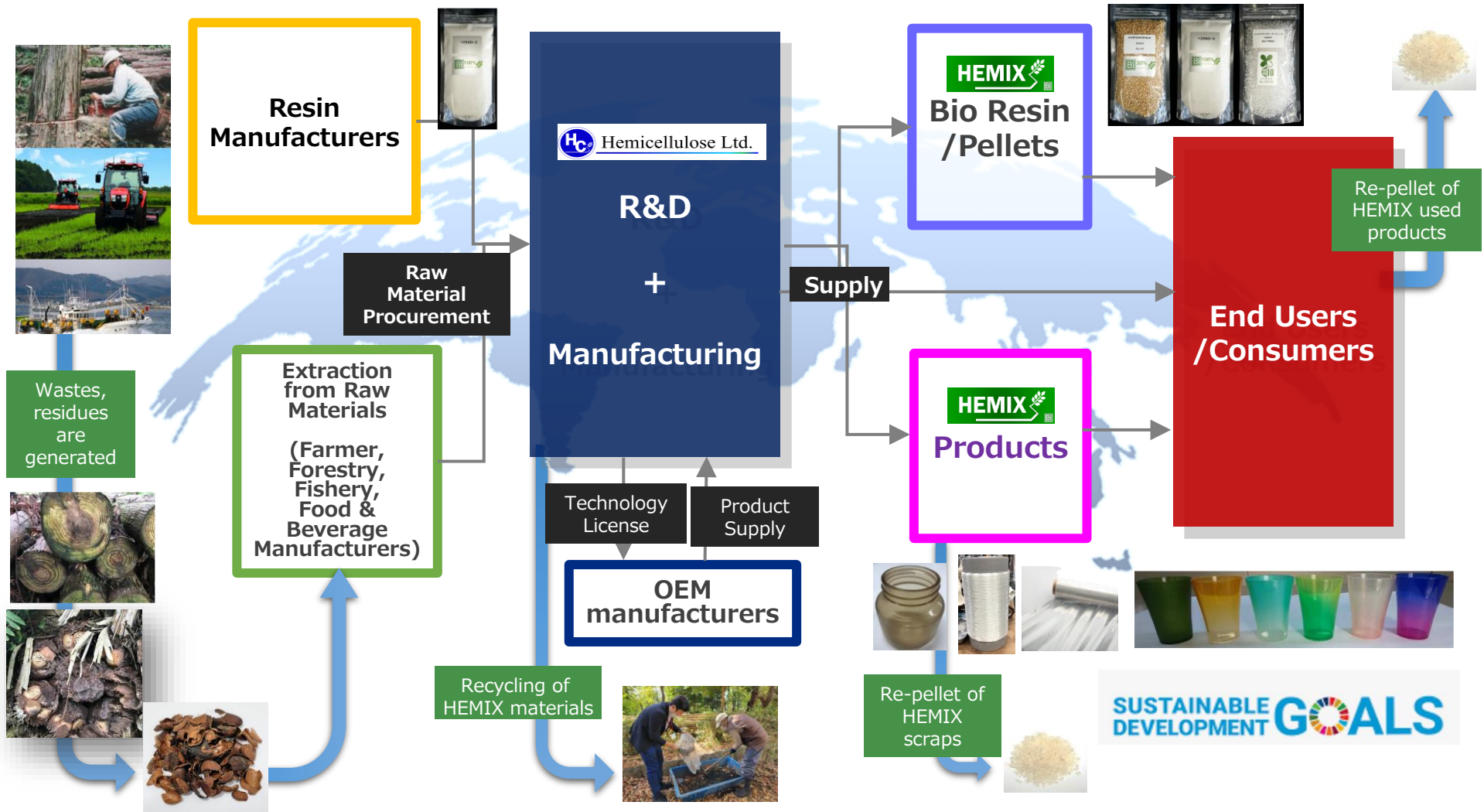
Remaining CO2 emissions can be reduced further by using wasted materials that contain hemicellulose. This will avoid the chance to combustion of waste.



Hemicellulose offers excellent melt flow rate and marine bio-degradability.



Our strong supply chain network supports us to provide HEMIX™.



HEMIX™ pellets can be made into various products:

Tumblers



Tumblers



Dessert Cups



plastic model



Model rocket



Cosmetic containers



Trays



Flowerpot



Light guide plate



Films (thickness: less than 0.25 mm)



Sheets (thickness: 0.25mm or more)



Trays



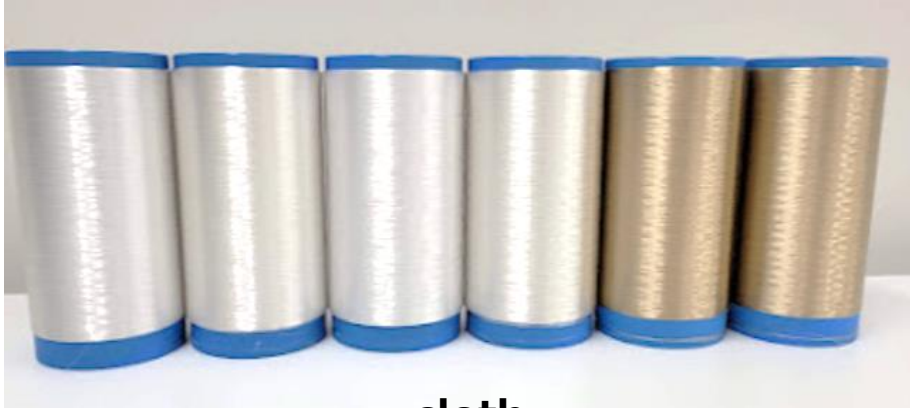
PET bottles



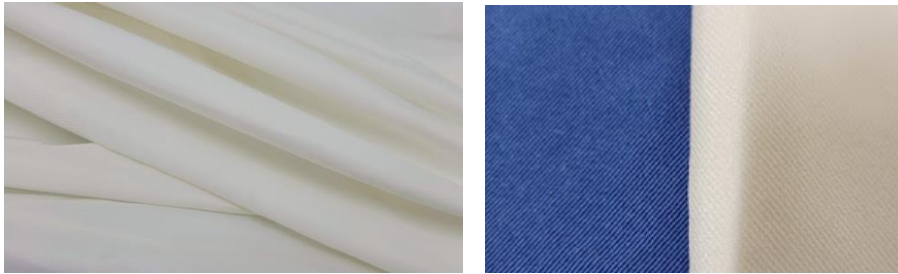
Cosmetic Containers & Bottles



Threads



cloth



Gauze



Clothing



“Save the Rain Forest (Tagua trees)” project

Through manufacturing of HEMIX™+Tagua , we will
“save the tropical rain forest” as well as
“create new job opportunity for local people”.





Innovate for the Earth

Hemicellulose Ltd.

**Address: AIRBIC05, 7-7 Shinkawasaki
Saiwai-ku, Kawasaki-City,
Kanagawa 212-0032, Japan**

E-mail: info@bipc.co.jp

Tel: +81-44-201-8390, FAX: +81-44-201-3490