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"Keep temperature increase well below 2 °C"



- Better Efficiency
- Less Waste
- Better Environmental Impact

Operations & Investment









"Keep temperature increase well below 2 °C"



- 20% less GHG emission in 2030 overall
- 50% less GHG intensity in 2050 per ton-product

Reuse

- Internal Water Capacity; WWRO
- Less Reliant on Public Water
- Integrated Energy Efficiency Improvement

Recycle

- **Loop Connecting**
- **Promote Awareness**
- **BioPlastics as Alternative**









Chemistry for Better Living



Circular Economy Value Chain

Plastic/Bioplastic

Waste Management

Recycling

Upcycling

Activities



Single-use Resin

Reduce production



Bioplastic Resins

PLA, PBS, Compounds



Local Collecting Hubs / Campaigns: Build

Awareness

Role Models

"Thailand's largest drop point network"

Multiple areas / project scales / Multiple collaborations



Logistic

Complete ECO system



Mechanical Recycle

rPET 30 KTA rHDPE 15 KTA



Chemical / Others

PlasmaPyrolysis

RDFOthers



Partnerships & Mkt / Branding

High performance

Textile

Healthcare

Food Packaging, etc.

Policy & Support Functions



- Mobile application (traceability)
- CE Standards, traceability (FDA)
- Incentives, regulatory enforcement
- Label, certification
- Product & process standard monitoring
- Import waste

Other Opportunities



Replace multi-layer packaging (ease to recycling)

Integrated, Digitalized CE Platform













UPCYCLING













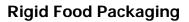




PLA









Cold Drink Cup



Yogurt Cup



Surgical screws

PBS





Paper-Coated Cup





Coffee Capsule



Non-woven Tea Bag



Cutlery



Mulching Film