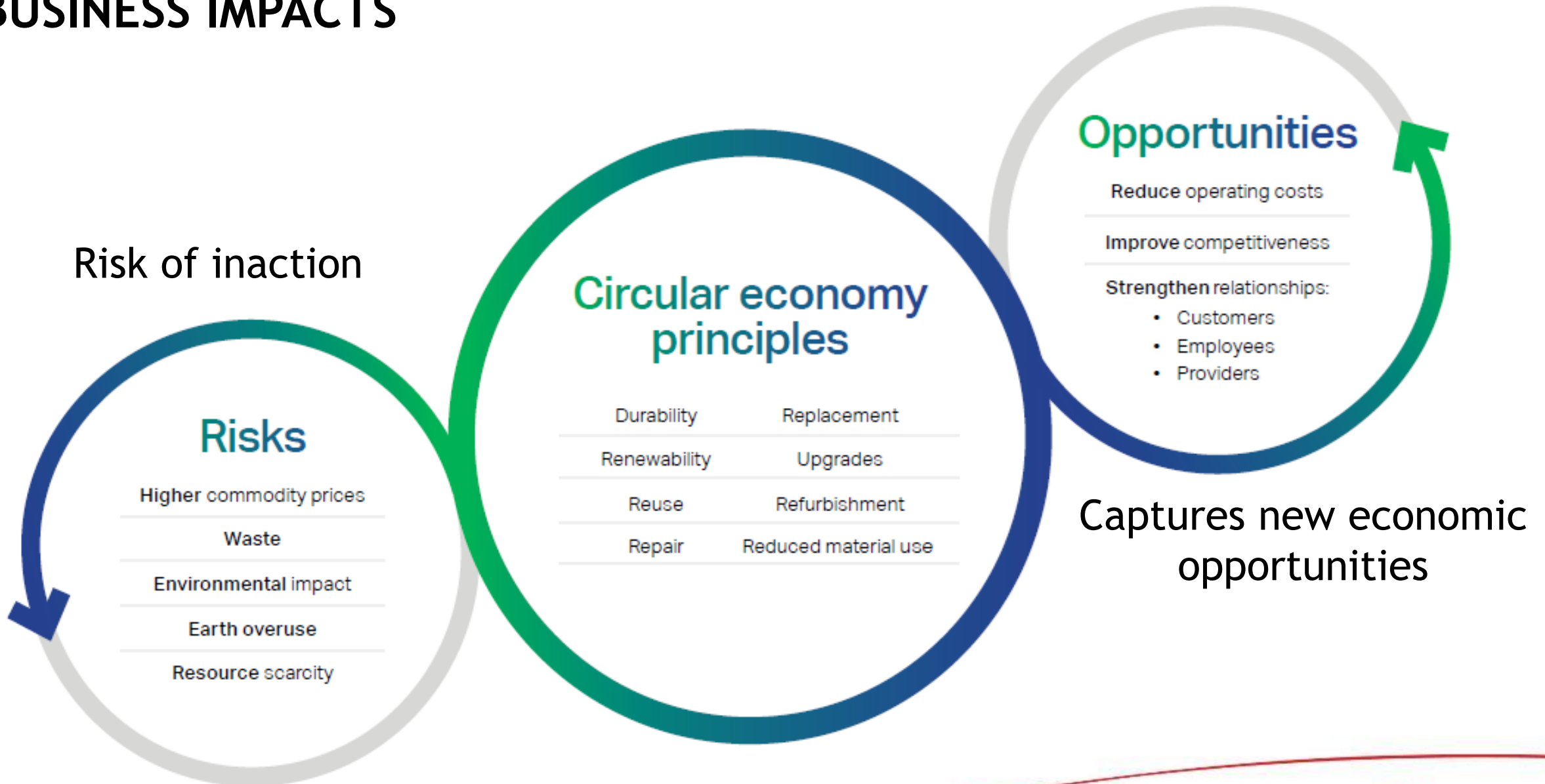


# SCG:-CIRCULAR ECONOMY



# SCG Circular way

# BUSINESS IMPACTS



Source : CEO Guide for Circular Economy, WBCSD

# GROWING THE CIRCULAR ECONOMY NETWORKING BY SD SYMPOSIUM



SCG SD Symposium 2018, Bangkok



WBCSD Council Meeting 2018, Singapore

# CREATING “COLLABORATION” ON CIRCULAR ECONOMY PLATFORM



Greenovation Lube Packaging  
Circular Economy



Plastic wastes mix Asphalt, a Circular  
Economy for Road Construction



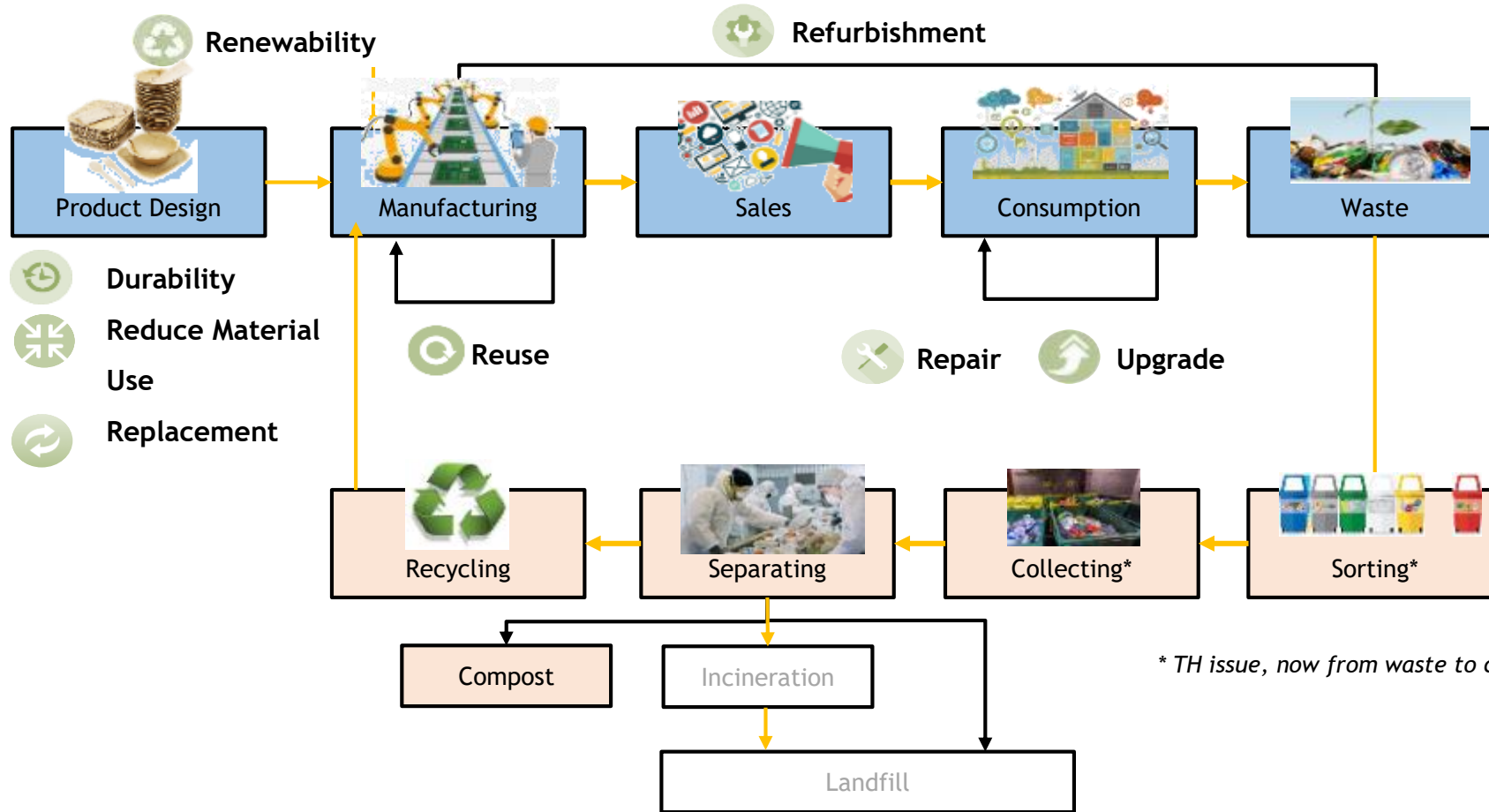
Paper Recycling  
Through Value Chain Collaboration



Glasswool Insulation  
Waste Recycling Collaboration

# ESTABLISHING STRATEGIES TO UNLOCK CIRCULAR ECONOMY VALUE

## 2. Circular Product & Service Development TO CREATE & MAINTAIN VALUE OF MATERIALS



\* TH issue, now from waste to collection and dump in landfill

## 1. Waste Littering & Management TO COLLECT & RE-CREATE RECYCLABILITY

# Waste Management Challenges & Opportunity

## MANAGE BY-PRODUCT TO CREATE RECYCLABILITY



### Sorting

#### Littering station

- Easy and friendly sorting station using visualization

#### Example



#### Mindset and Behavior

- Educate employees for correct waste sorting
- Promote “value to me” and “value to society”

### Collecting

#### Waste collection

#### Rightly Manage:

- Storage
- Distribution
- Logistics



### Re-processing

#### High value

- **Upcycling**
- **Recycling**
- **Alternative Materials** e.g. RECYCLED PLASTIC ROAD
- **Incineration/ RDF**
- **Fertilizer/ Compost**

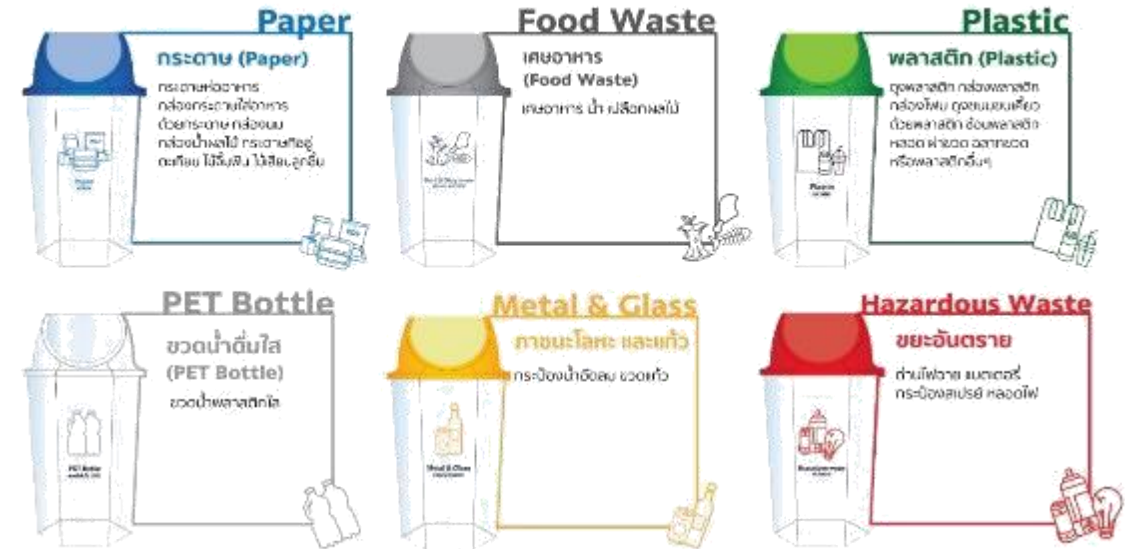
#### Low value

**Zero Waste to Landfill**

# WASTE MANAGEMENT MODEL :

## Objective :

- Manage waste at beginning source
- Demonstrate as a role model: From office to home
- Build an ecosystem to circulate resource
- From sorting collecting to recycling



## ฮาว-ทู-ทิง

### เทก่อนทิง

: เศษอาหารหรือเครื่องดื่มที่ทานไม่หมด ลงในถังขยะสีเทา ก่อนทิ้งบรรจุภัณฑ์

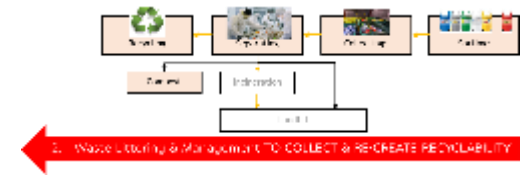
### ทิงถูกต้อง

: ทิ้งขยะลงถังให้ตรงตามประเภทของวัสดุ หากขยะประกอบด้วยวัสดุหลายประเภท ให้แยกส่วนขยะ แล้วทิ้งลงในถังสำหรับวัสดุแต่ละประเภท

# ใช้ให้คุ้ม # แยกให้เป็น # ทิ้งให้ถูก



# INNOVATION - PACKAGING IN CIRCULAR ECONOMY



To driving innovation trends for  
**Raw material producer** Brand owner  
cooperation

Example: **Recycle** of Lube oil gallons

*\* Photo for illustration only*

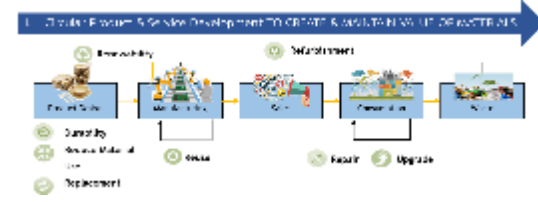
# INNOVATION - RECYCLED PLASTIC ROAD



Work with Department of Highway and Department of Rural Road to create plastic road standard



# DESIGN PRODUCTS TO MAINTAIN VALUE OF MATERIALS



## Reduced material use

Thinner and lighter weight material with high strength for food & beverage and consumer packaging



Super thin film



Light weight cap & closure



Light weight small bottle

## Renewability/ Recycle

Higher percentage of recycled plastic resin blending while maintaining product property



Recycled plastic resin for consumer packaging shopping bag

## Durability

High strength material for multiple usage industrial packaging



Industrial Bulk Container



Chemical drum container

## Recycle

Recyclable mono-material packaging with high oxygen barrier to replace Aluminum layer



Food & beverage packaging

## Replacement

# 5 KEY SUCCESS FACTORS FOR CIRCULAR ECONOMY

## 1. Awareness

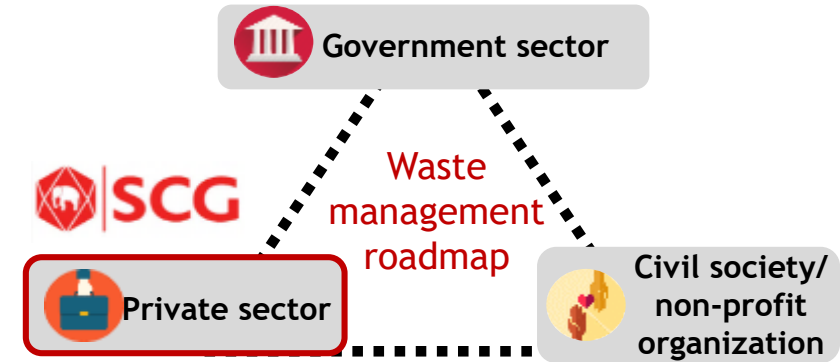


Sharing and raising awareness

## 2. Collaboration



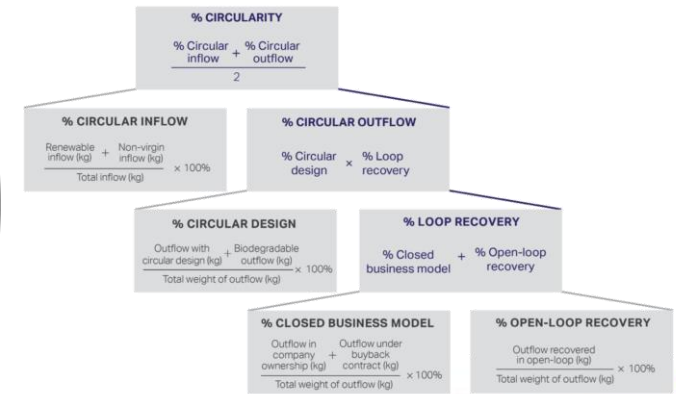
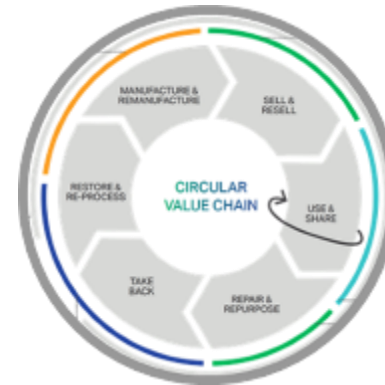
## 3. Regulations



## 4. Innovation



## 5. System



Principles and procedures according to circularity measures



***PASSION FOR BETTER***