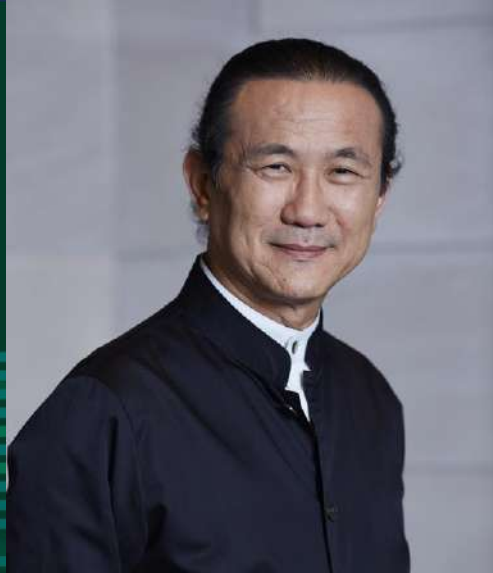


## คุณวิกรม กรมดิษฐ์

ประธานกรรมการ  
และรักษาการประธานเจ้าหน้าที่บริหาร



## ดร. วิวัฒน์ กรมดิษฐ์

ประธานเจ้าหน้าที่บริหาร  
กลุ่มธุรกิจอสังหาริมทรัพย์  
ในประเทศไทย



### คุณชูชาติ สายถิ่น

ประธานเจ้าหน้าที่พัฒนา  
โครงการ  
บริษัท อมตะ วอเตอร์ จำกัด



### Mr. Osamu Sudo

รักษาการประธานเจ้าหน้าที่  
การตลาด



### คุณสัทธา วนลาภพัฒนา

รักษาการประธานเจ้าหน้าที่  
กลยุทธ์  
และผู้ช่วยประธานเจ้าหน้าที่บริหาร



### คุณจันจิรา แอ้มยิ้ม

กรรมการผู้จัดการ  
บริษัท อมตะ ซัมมิท เรดดี บิลท์  
จำกัด



### คุณอัศวเรศร์ ชูช่วย

กรรมการผู้จัดการ  
บริษัท อมตะ ฟาซิลิตี้  
เซอร์วิส จำกัด



### คุณวรงค์ ตั้งประพุกฤทธิ์กุล

กรรมการผู้จัดการ  
บริษัท อมตะ ซิตี ลาว จำกัด



**AMATA**

POSSIBILITIES HAPPEN

**SET**  
**AWARDS 2023**  
**Sustainability**  
**Excellence**

**31 August 2023**







# Contents

---

01 About AMATA

---

02 Materiality & Economic

---

03 Climate Strategy

---

04 Social Impact  
Management





# 01

## About AMATA

“*Creating Perfect  
Cities Where  
Possibilities Happen*”



## VISION

Creating Perfect Cities  
Where Possibilities Happen

## MISSION

Committed to creating a culture of **ALL WIN** for our stakeholders by expanding **New Frontiers** and exploring **Innovation** to build a **Smart City** that enriches quality of life

D

Dependable  
on Success

R

Responsive

I

Innovative

V

Visionary

E

Efficient

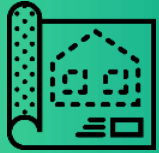
**“ALL WIN”**

*Everyone* **SUCCEED**  
*Friendly to* **ENVIRONMENT**  
*Responsible to* **SOCIETY**  
*Walking* **TOGETHER**

★ Sustainable City ★ Opportunities ★ Success  
For Everyone



# AMATA in CLMVT



Area **145.16**  
Sq.km.



**1,428** factories  
from  
**33** nationalities



**352,000**  
employees  
in factories

Amata Smart &  
Eco City Lao PDR

AMATA City Halong

Yangon Amata  
Smart & Eco City

Myanmar

Laos PDR.

Thailand

Vietnam

AMATA City  
Chonburi

AMATA City  
Rayong 1

AMATA City  
Rayong 2

AMATA City  
Bien Hoa

AMATA City  
Long Thanh

AMATA Township  
Long Thanh

-  Existing Projects
-  Future Projects



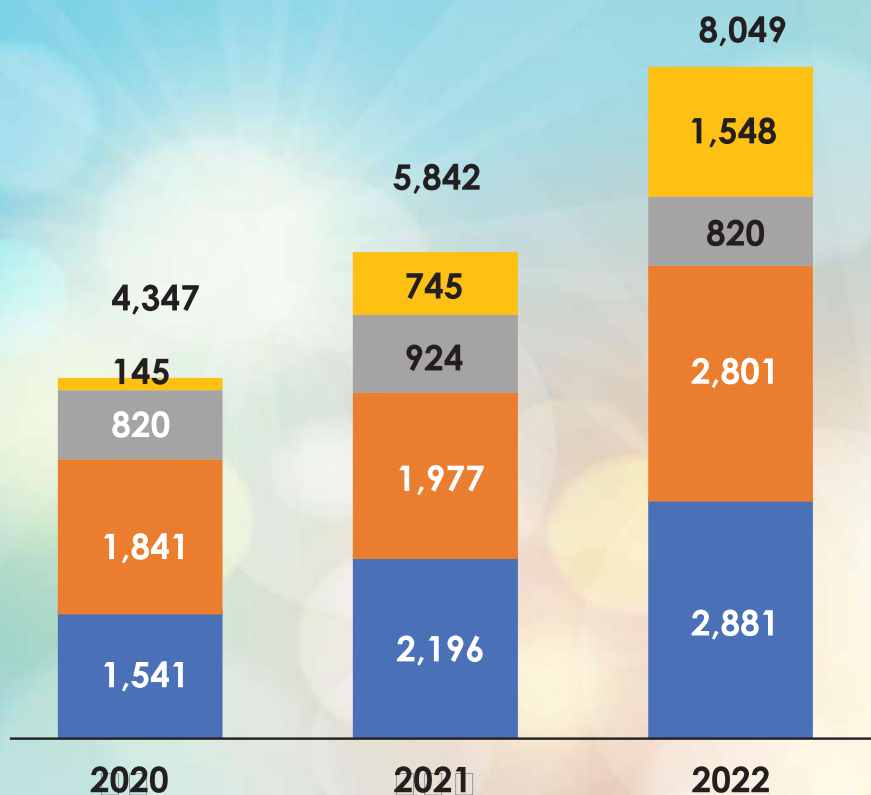
# OUR PERFECT CITY





# OUR BUSINESSES

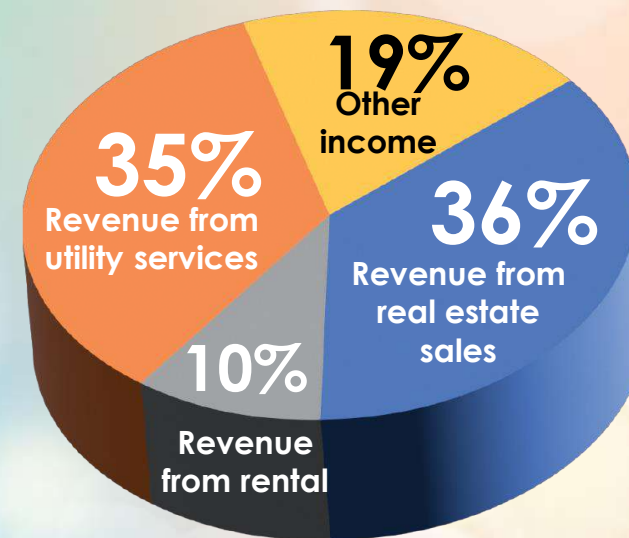
## Revenue (Million Baht)



■ Revenue from real estate sales ■ Revenue from utility services  
 ■ Revenue from rental ■ Other income

## Business Portion 2022

% Revenue Portion



	2019	2020	2021	2022
<b>RE (50%)</b>	52%	35%	38%	36%
<b>Recurring (50%)</b>	48%	65%	62%	64%





**1,000,000+** people



**1,200** factories produce **USD 40 billion**

**CO<sub>2</sub>** Carbon Neutrality in 2040



**Water Independence & Security**



**Climate Resilience City**

**AMATA CITIES in Thailand**



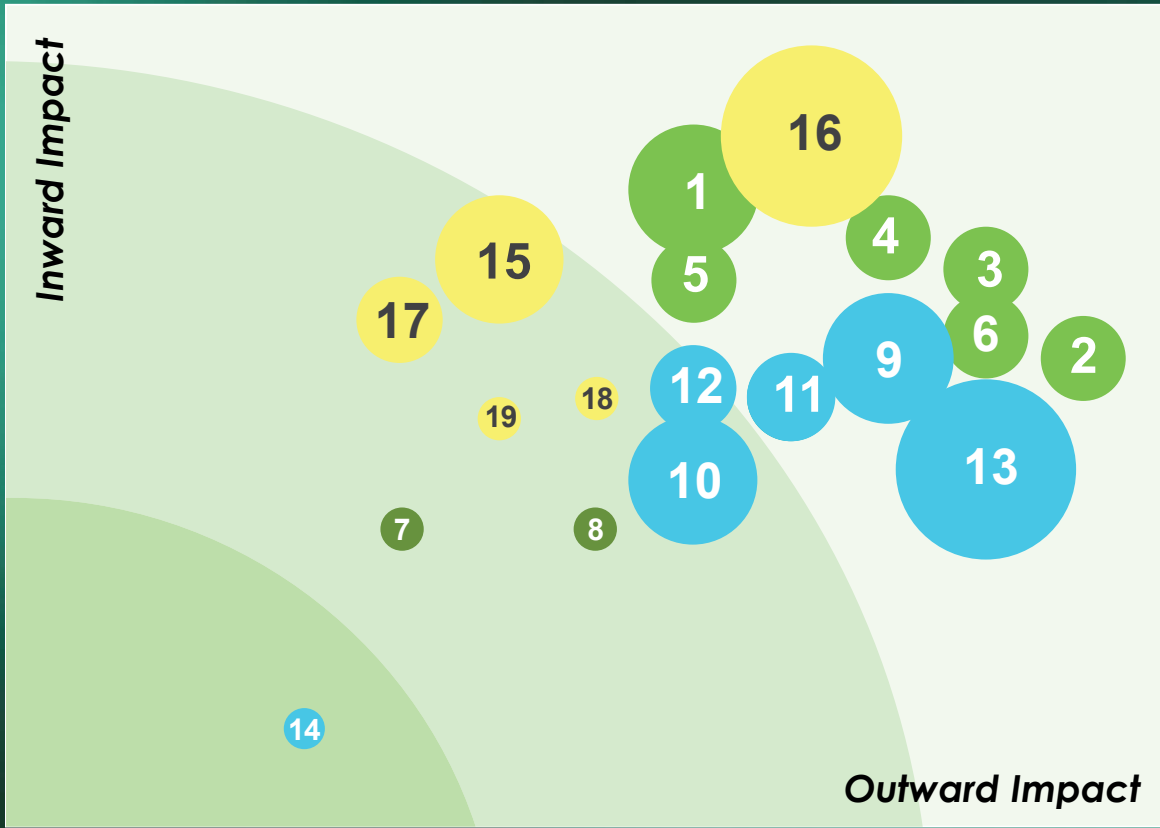
# 02

“ *Creating Perfect  
Cities Where  
Possibilities Happen* ”

**Materiality  
& Economic**



# Material Topics 2022



## Importance to AMATA's Stakeholders



Very High



High



Slightly High



Medium



Environmental



Social



Governance

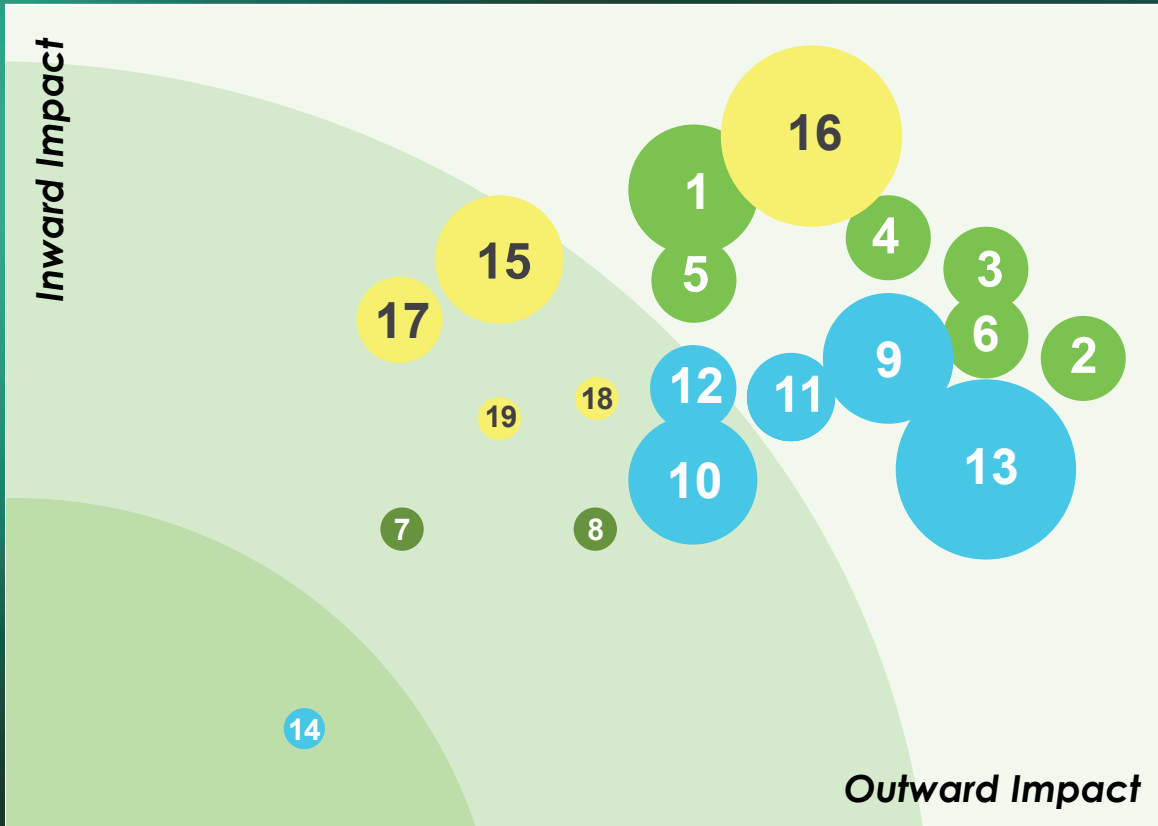


Critical – impact material topics

<b>1</b> Environmental Quality Control	<b>9</b> Customer Experience	<b>15</b> Business Ethics & Integrity
<b>2</b> Climate and GHG Emissions	<b>10</b> Occupational Health & Safety	<b>16</b> Law & Regulatory Compliance
<b>3</b> Energy Efficiency & Renewables	<b>11</b> Employee Development & Retention	<b>17</b> Risk & Crisis Management
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<b>6</b> Waste	<b>14</b> Social Contributions	
<b>7</b> Sustainable Products & Services		
<b>8</b> Circular economy		



# Material Topics 2022



## Importance to AMATA's Stakeholders



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Environmental



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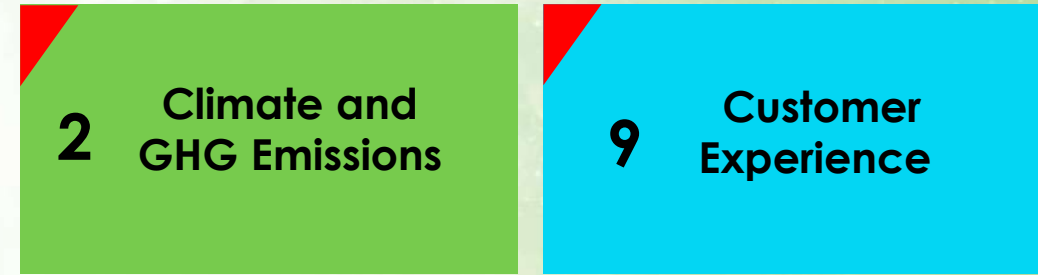
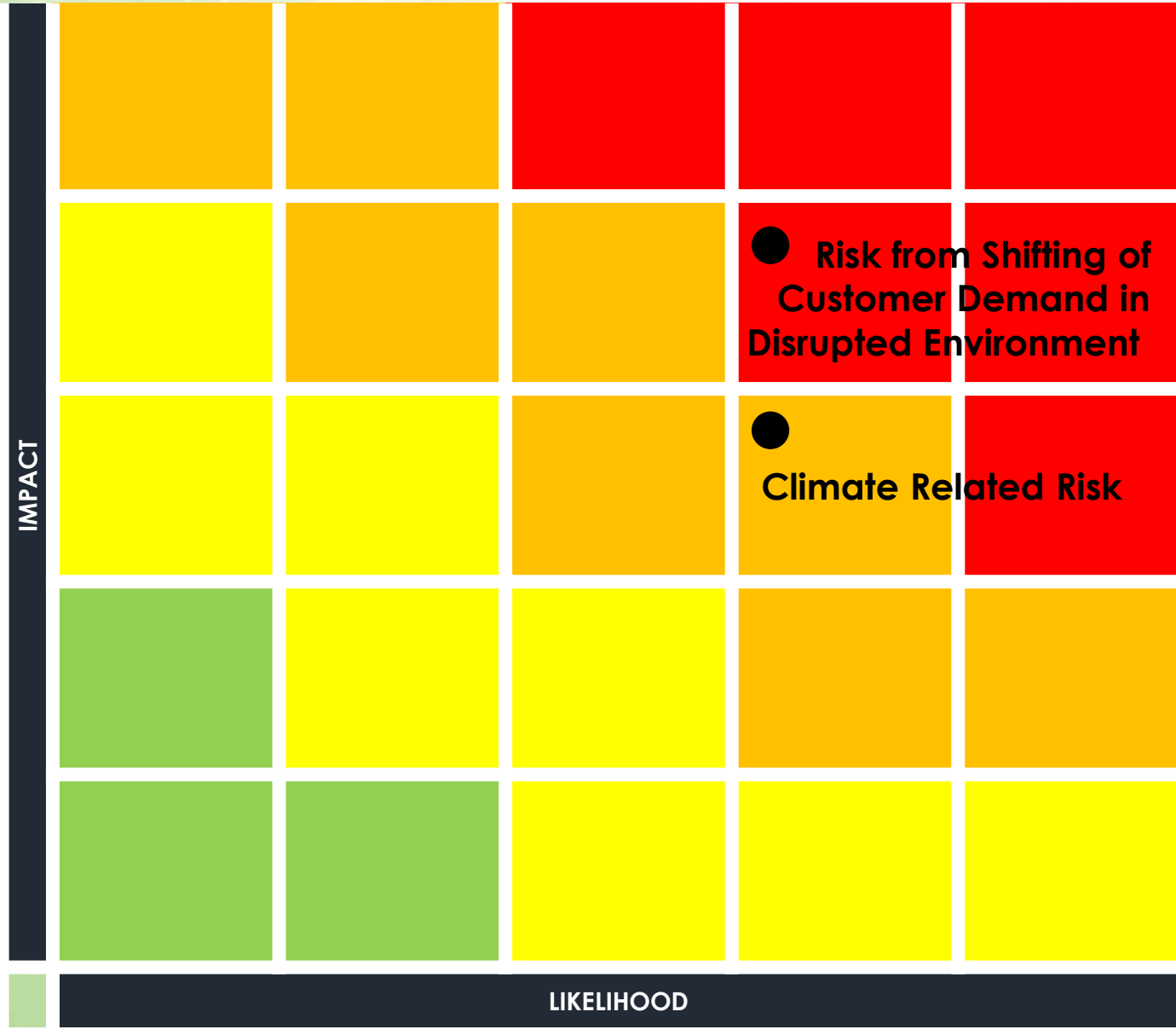
Governance



Critical – impact material topics

<b>1</b> Environmental Quality Control	<b>9</b> Customer Experience	<b>15</b> Business Ethics & Integrity
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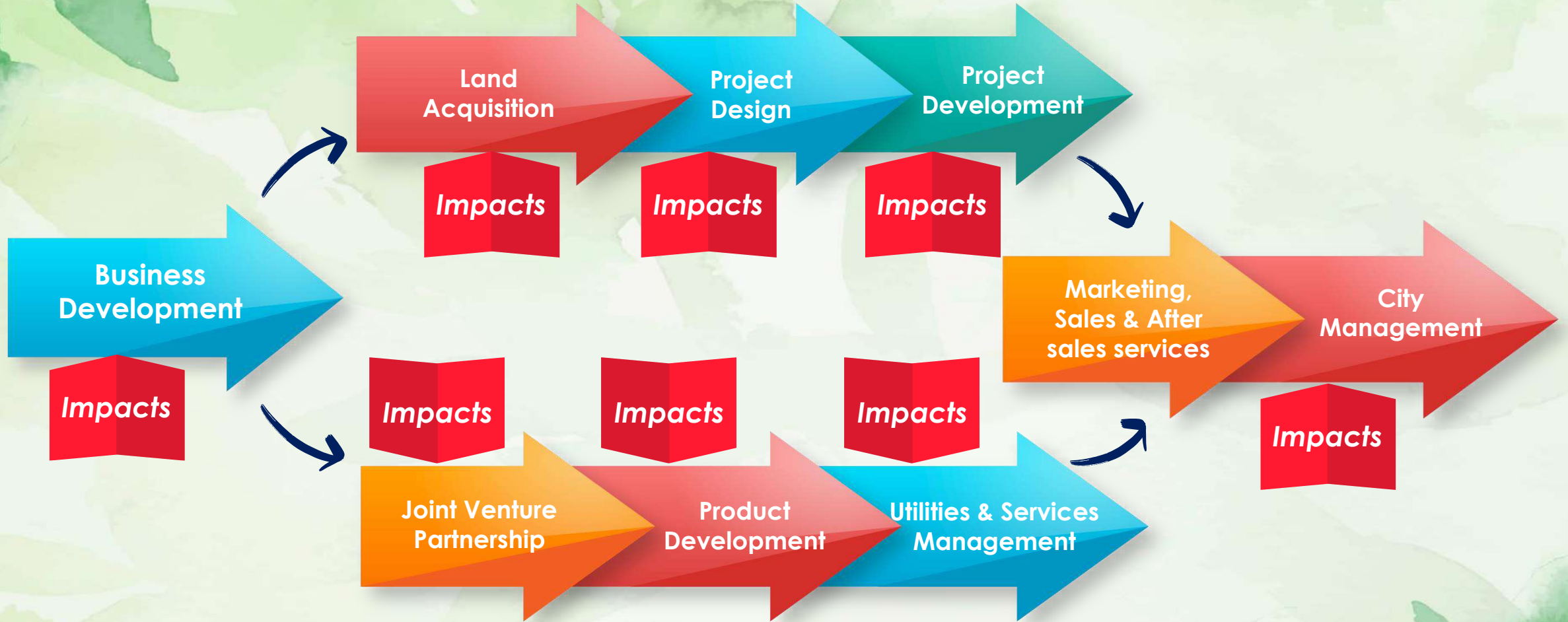
**Emerging Risk:  
Customer Demand**

**Strategic Risk:  
Climate Related**



# **Impacts** on AMATA's Value Chain

## Industrial/ Real Estates Businesses



## Utility & Service Businesses: Utilities, Facilities, Commercial



**Strategy:**

# Organization Transformation

**Reorganize  
Macro  
Organization  
Structure**

**Spin Off –  
Business Unit  
to be AMATA  
UTILITY**

**Establish  
Transformation  
Office**

Corporate  
Strategy

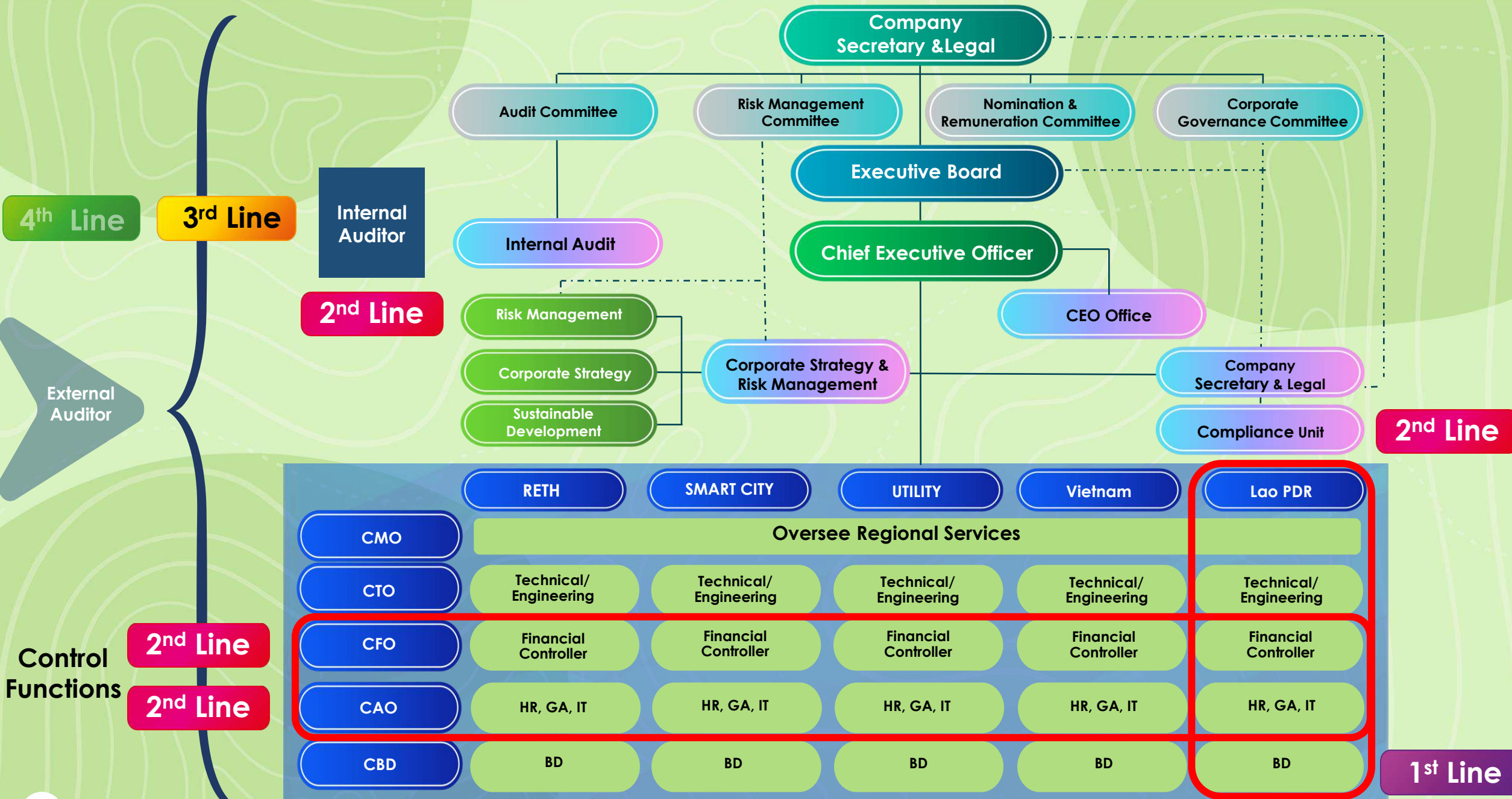
+

Sustainable  
Development

+

Risk Management









## Results

- New Macro Org.
- Spin Off  
Approved 3 May 2023
- Corporate Business Strategy – Incorporated ESG Strategy



**Risk Management**



**Sustainable Development**



**Corporate Strategy**



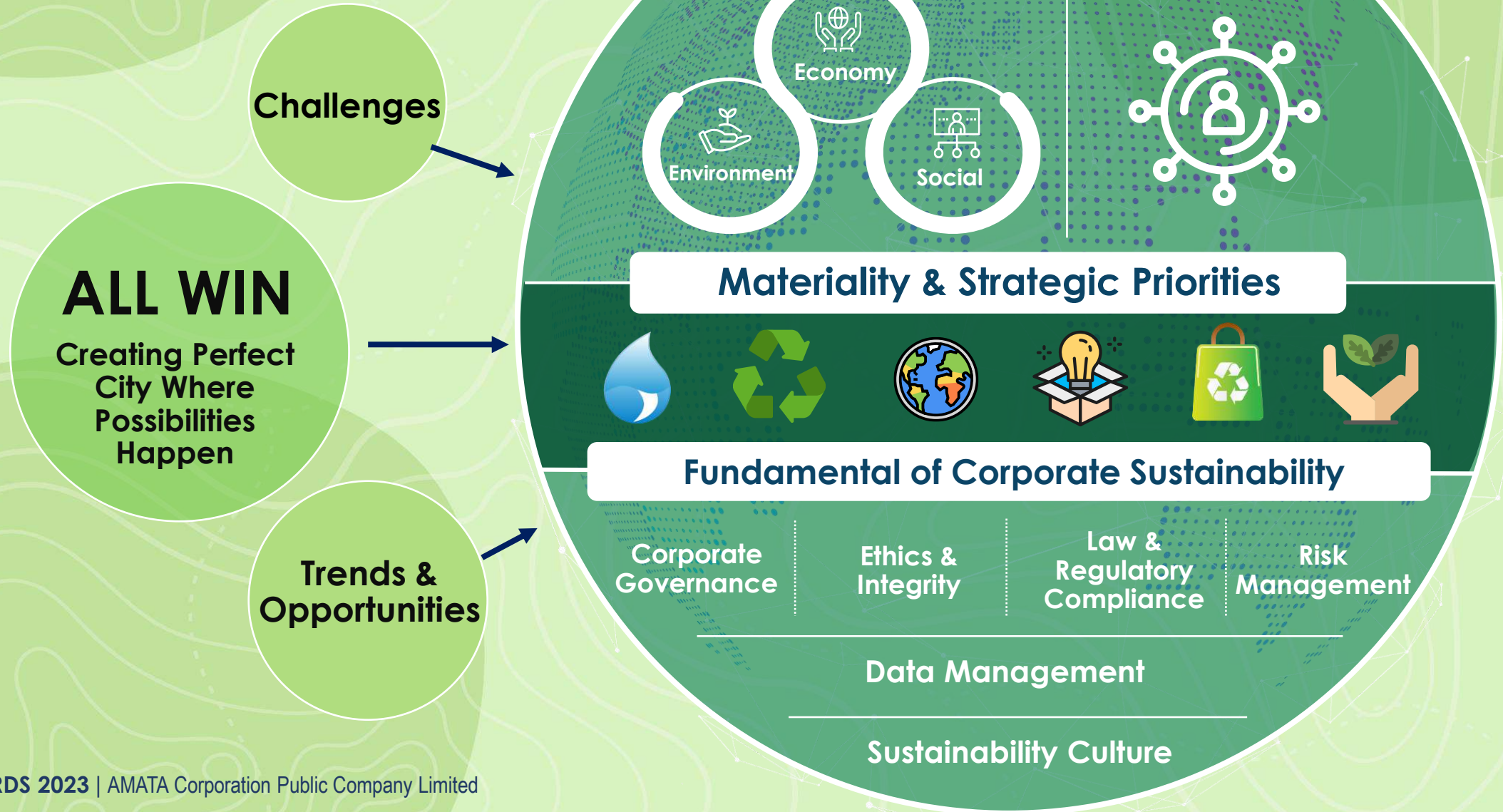
**Digital Transformation**

*Expanding to Incubate Digital Transformation*

# **ESG-Integrated Corporate Strategy**



# Corporate Sustainability Management





# STRATEGIC PRIORITIES

# Material Topic Management Approach

# GOALS

 **Wastewater Management**

 **Waste Management**

 **Innovation & Digitalization**

 **Climate Change**

 **Product & Service Quality**

 **Community Support & Development**

**A**

Strive for Zero Waste & Responsible Consumption

**B**

Strive for Clean Energy towards Low Carbon City

**C**

Innovate to Uplift Product & Service Quality

**D**

Enhance Stakeholder's Engagement

Zero Waste

Net Zero Carbon

High Value Sustainable Product & Service

Social License to Operate

## Contributions to the UN SDGs





# Target: High Value Sustainable Product & Service

1. 100% of new facility to be eco-friendly (Green Factory Standard) by 2025
2. To adopt green factory standard by 2030

A

Strive for Zero Waste & Responsible Consumption

B

Strive for Clean Energy towards Low Carbon City

C

Innovate to Uplift Product & Service Quality



ASRB, the Southeast Asia's first **LEED GOLD** Certified Warehouse & Distribution Center







# "All Win Philosophy"

LEED **GOLD** certified  
distribution center by  
U.S. Green Building  
Council

1

**60%**

**Faster  
Construction**

2

**30 %  
Workforce  
Reduction**

3

**Better  
Quality  
Less Human  
Error**

4

**Better for Earth  
GHG Reduction  
>50%**

Compare to conventional  
construction

5

**Better for Customer  
ON TIME**

Reduce maintenance  
cost **100 – 300** Baht  
per Sq.m.

6

**Increase  
rental rate 30%**  
**Lower 10%  
construction cost**





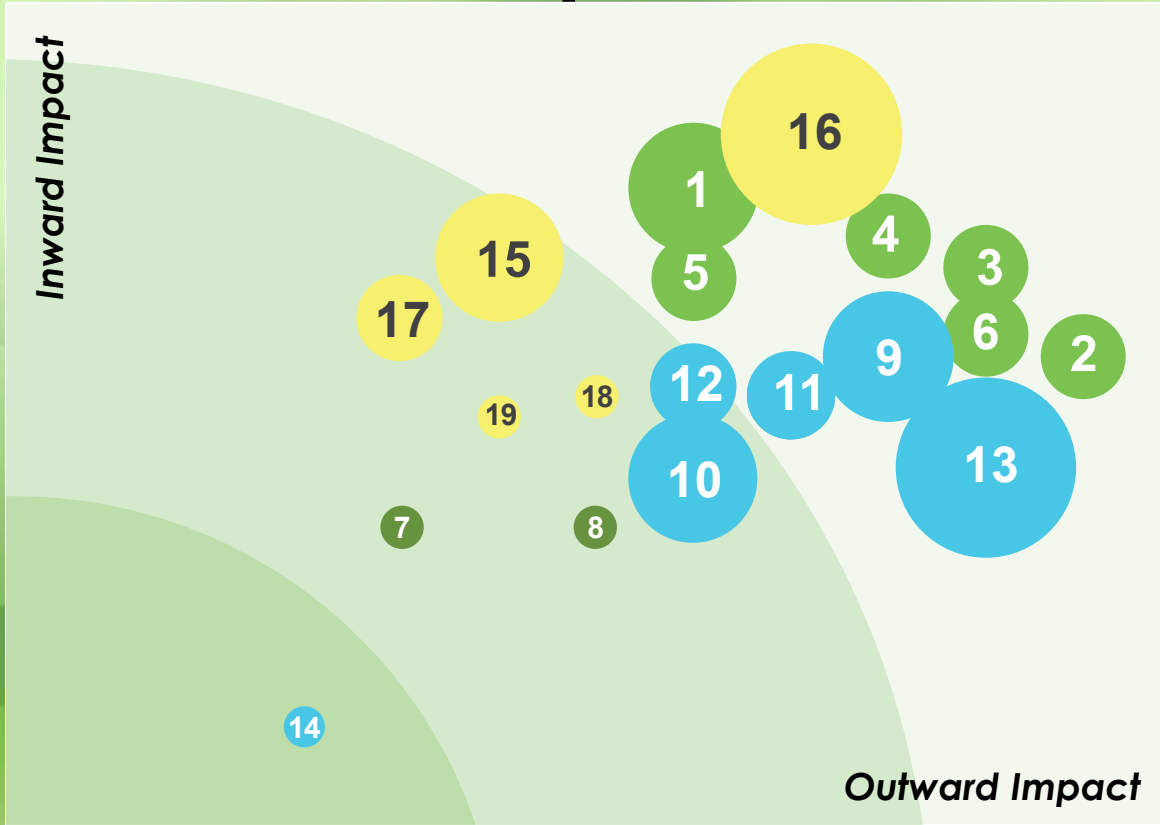
03

“ *Creating Perfect  
Cities Where  
Possibilities Happen* ”

**Climate  
Strategy**



# Material Topics 2022



## Importance to AMATA's Stakeholders



Very High

High

Slightly High

Medium

Environmental

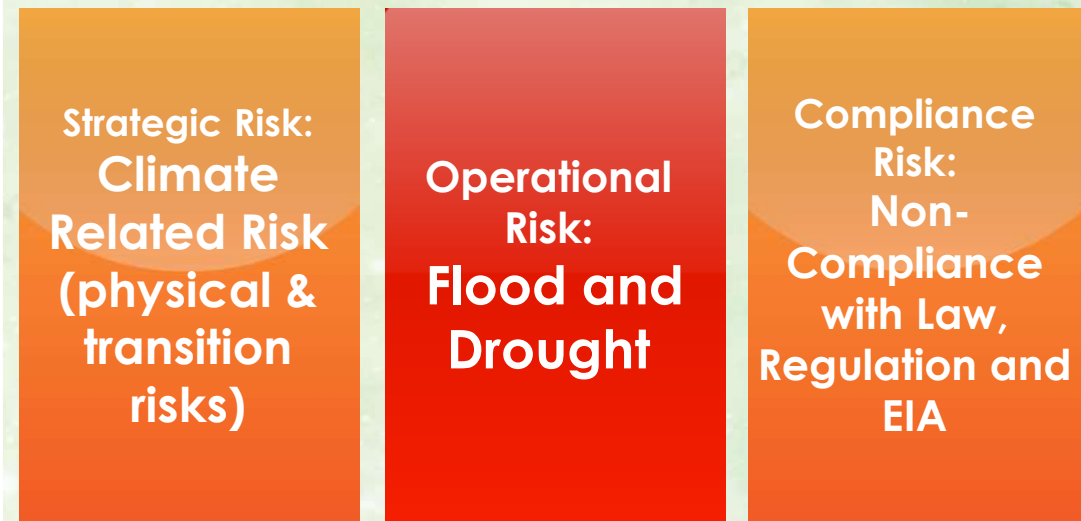
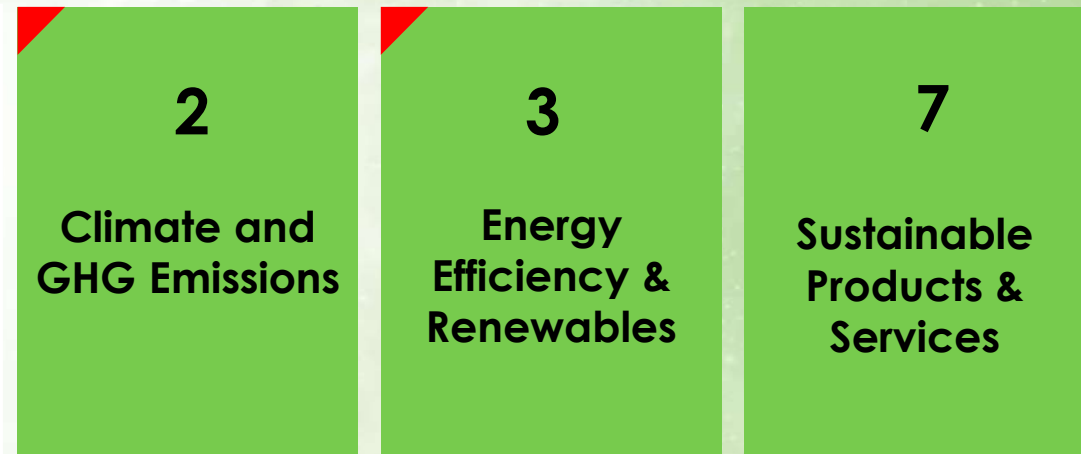
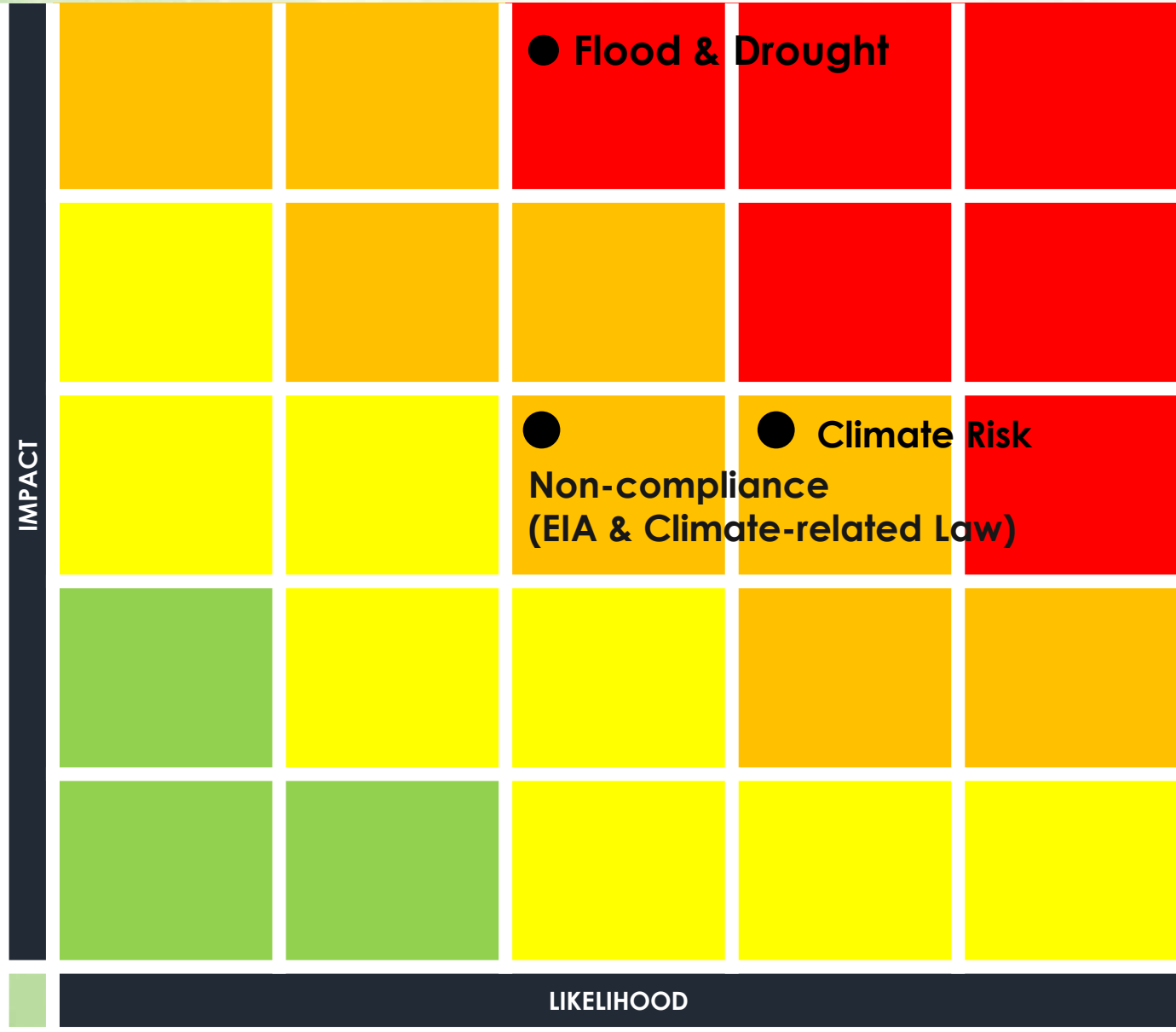
Social

Governance

Critical – impact material topics

<b>1</b> Environmental Quality Control	<b>9</b> Customer Experience	<b>15</b> Business Ethics & Integrity
<b>2</b> Climate and GHG Emissions	<b>10</b> Occupational Health & Safety	<b>16</b> Law & Regulatory Compliance
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<b>8</b> Circular economy		





# Climate-related Risks

## Transition Risks

## Impacts

## Opportunities



### Policy & Legal

- **Non-compliance** with climate-related law & regulation



Fines



License



Reputation

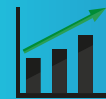


### Market

- **New criteria** for investors' decision making
- **Change in customers'** head quarter policy on GHG emissions



Decrease in **recurring income**



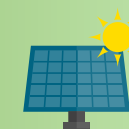
Increase in **development cost**



New products and services in **circular economy** business



**Carbon trading**



High demand on **renewable energy** in industrial estate



# Climate-related Risks

## Physical Risks

## Impacts

## Opportunities



### Acute (Immediately)

- **Extreme weather events** (i.e. strong wind, flood, heat)



Increase operating and maintenance cost in **emergency response**



Increase **flood protection** expense



Increase **medical expense**



### Chronic (Consequence)

- **Drought** in water stress area due to unpredictable precipitation pattern
- Rising **average temperatures**
- Rising **average sea level** enhances severity of flooding



Fines due to **water supply contract**



Loss of **reputation and trust**



Increase **flood operating and protection expense**



**Water Security** to AMATA and Surrounding Communities  
Amata City Rayong Water Grid



New products and services in **circular water businesses**

# Climate Change Strategies

## 1 Climate Resilience City

**Adapt** and increase our capability to effectively cope with the climate change effects.

1. Strive for **water security** by building internal reservoirs
2. Reduce surface **water dependency** by utilizing treated water according to **zero discharge** principle
3. Choose only **climate resilience location**

## 2 Carbon Neutral City

**Reduce** greenhouse gas emissions from the operations to create a low carbon society

1. Maximize **energy efficiency**
2. Strive for **Zero waste to landfill**
3. Accelerate renewable energy transition with **optimized technology**
4. Collaborate with Alliances for **Climate Action**

## 3 Climate-related Products & Services

**Develop** climate-related products and services to increase competitive advantage

1. Take a lead in **circular business** products and services for IE existing and future customers

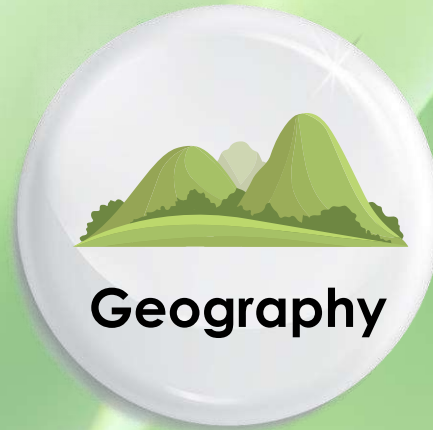




1

# Climate Resilience City

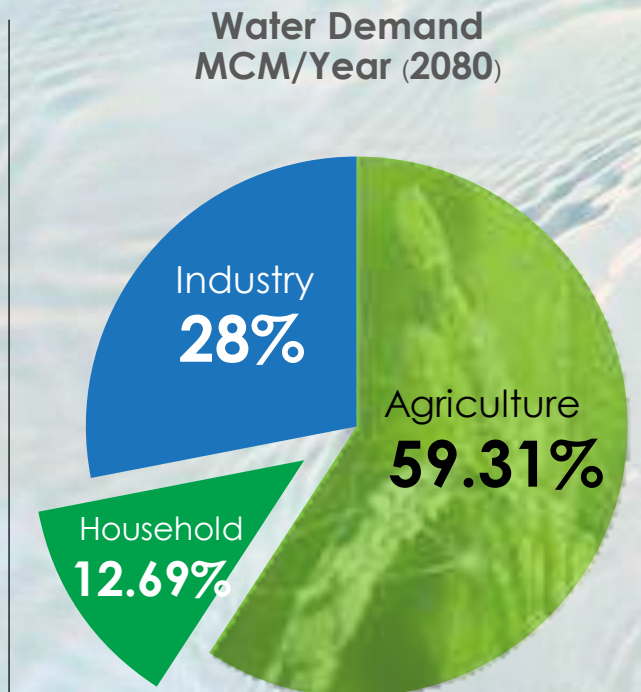
Choose Only  
Climate Resilience Location



# Overall EEC Water Consumption (Agriculture, Household, Industrial Activities)



# Climate Resilience City



[https://www.researchgate.net/figure/Baseline-water-stress-map-in-Thailandadapted-from-WRI-aqueductwater-risk-atlas-42\\_fig5\\_335329854](https://www.researchgate.net/figure/Baseline-water-stress-map-in-Thailandadapted-from-WRI-aqueductwater-risk-atlas-42_fig5_335329854)

<https://www.oecd-ilibrary.org/sites/91413186-en/index.html?itemId=/content/component/91413186-en>



# Water Security Strategy



## Climate Resilience City

Reserved  
Water Supply

>14

Months

Gross Water  
Demand in  
Industrial Estates

52.2

Million m<sup>3</sup>  
per year

Actual Water  
Consumption

30.9

Million m<sup>3</sup>  
per year



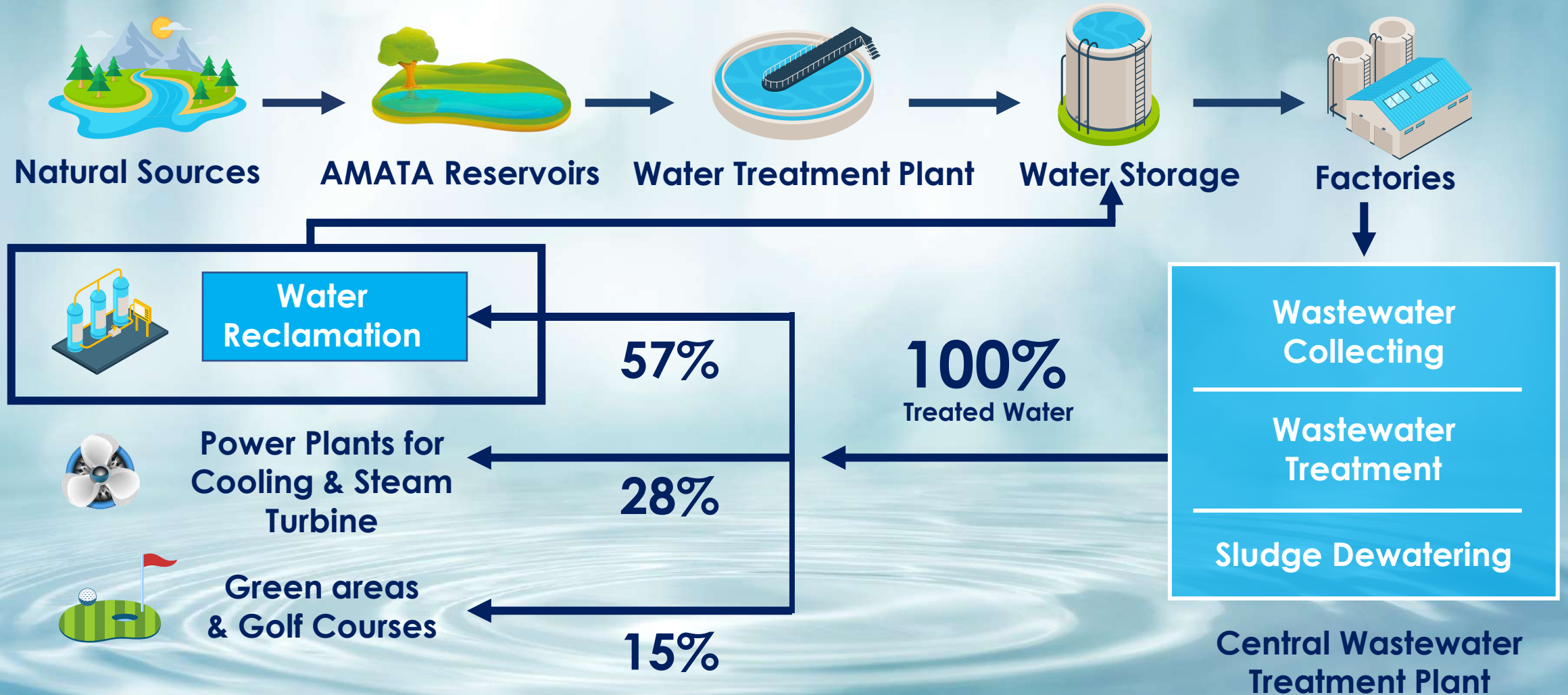
Reservoirs

17

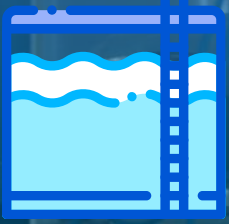


# Water Security Strategy

## Zero Discharge Concept







# Water Security Strategy

Total Capacity  
of Reclamation  
System

**35,360** m<sup>3</sup>/Day

Proportion of Treated Water Send to Water  
Reclamation System (%)



Water Reclamation  
System (since 2008)

Reduce the proportion of raw  
water consumption to **59%**

Proportion of Raw Surface Water  
Consumption (%)



Saved raw water sourcing cost  
by **76.5** million Baht in 2022

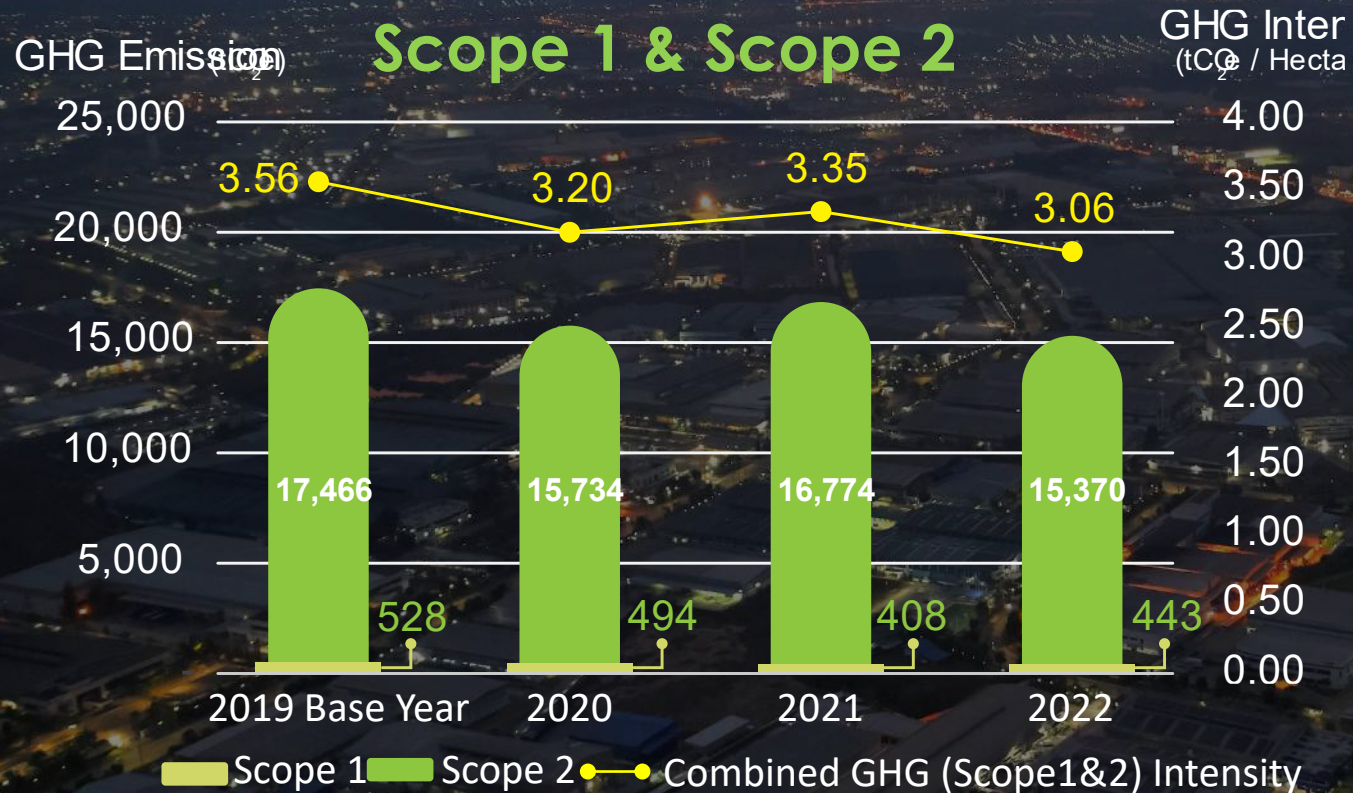


# Carbon Neutral City

## Energy Consumption Boundaries

1. Organization Offices (HQ, Chonburi, Rayong)
2. Common areas in AMATA City Industrial Estates

## Greenhouse Gas Emission Scope 1 & Scope 2



**2022 Target**

**-10%**

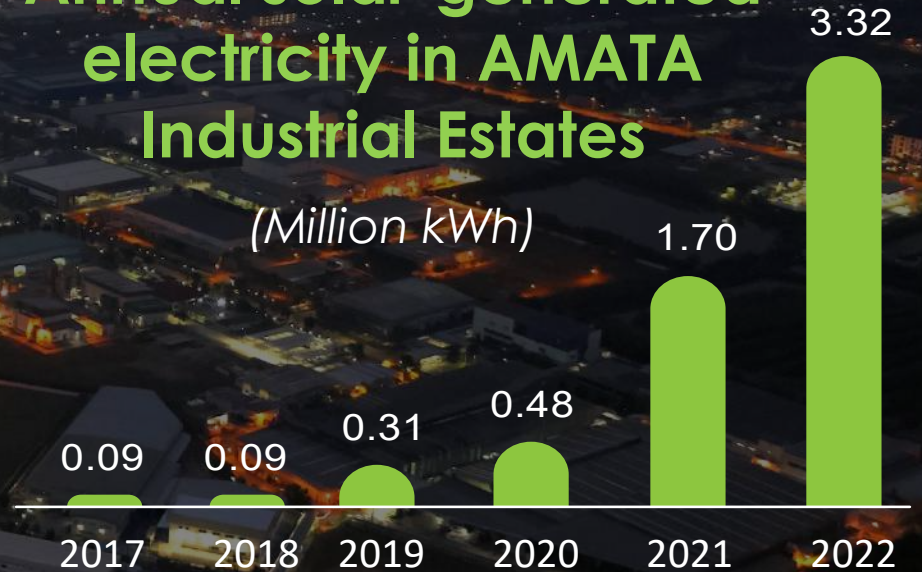
**2022 Performance**

**-14%**

**GHG Emission Intensity (Scope 1 & 2) compared to the 2019 base year**

## Annual solar-generated electricity in AMATA Industrial Estates

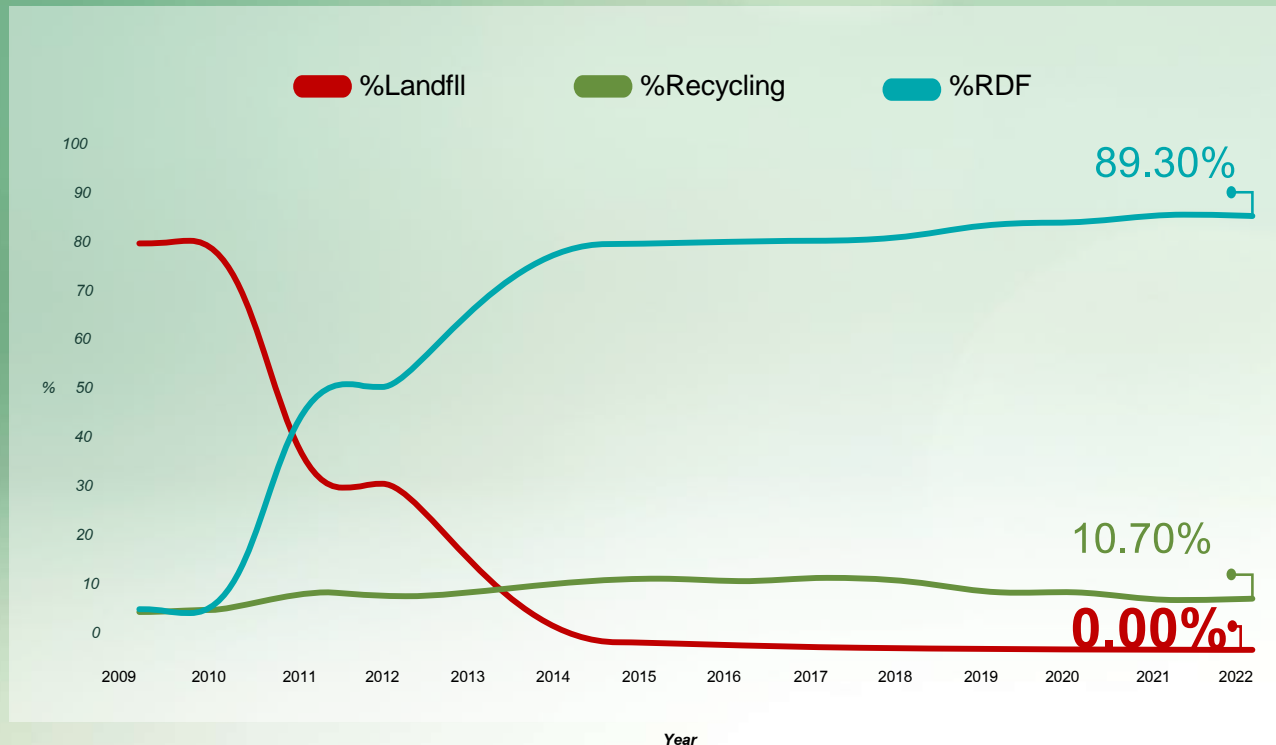
(Million kWh)





# Carbon Neutral City

## Waste Management in AMATA City Chonburi Industrial Estate



Reduced solid waste to landfill to **0%** of total solid waste



Saved waste management costs by **28.5 mil. Baht** in 2022



**Zero Waste to Landfill**

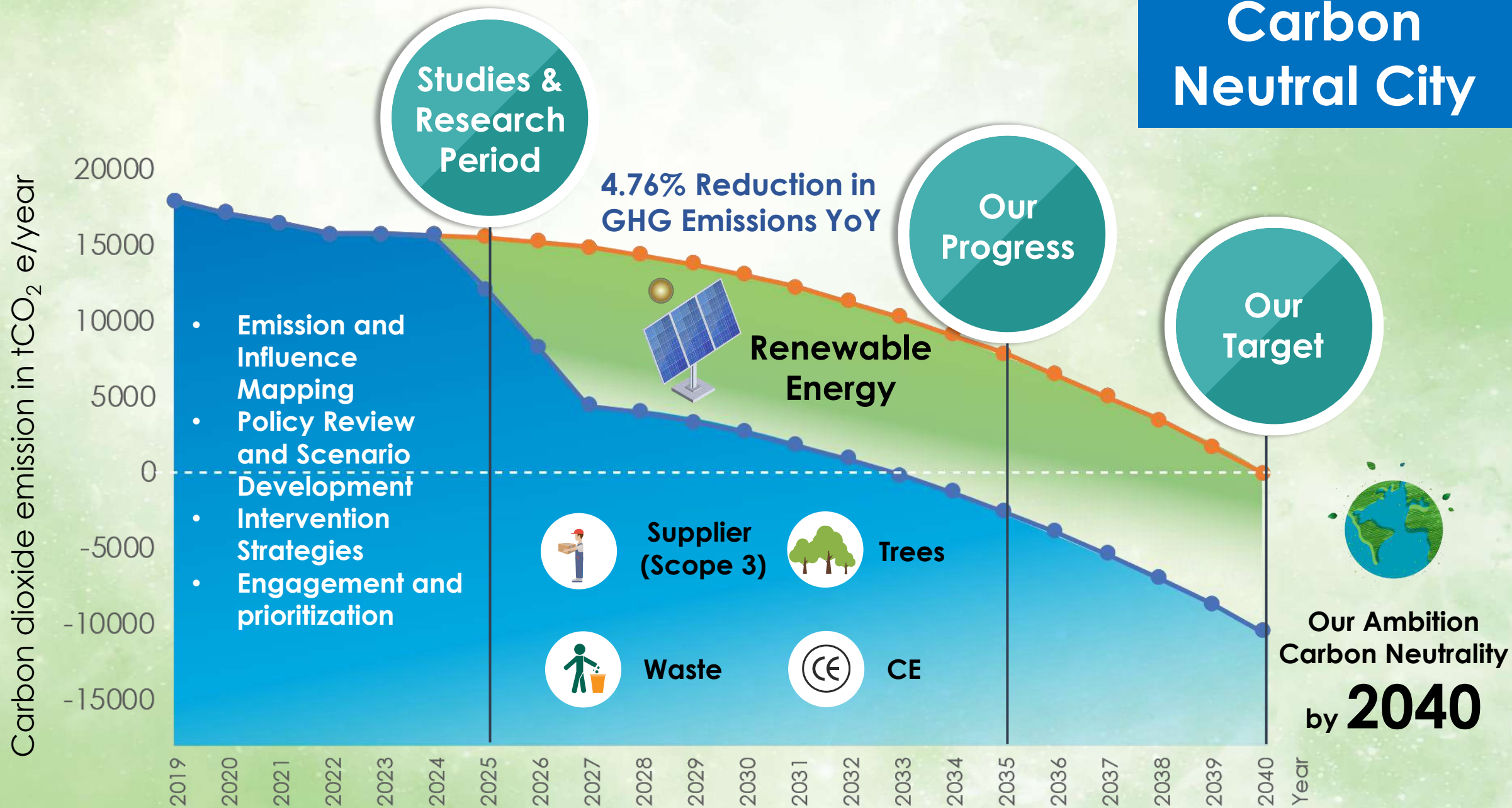


Received **80%** of customers satisfied on waste management services



Increased revenue from recyclable waste **2.4 mil. Baht/year**

# Carbon Neutral City





## 2

# Carbon Neutral City

- Collaborate with climate-conscious alliances



**Renewable Energy  
& Related Technology**

## 3

# Climate-related Products & Services

- Take a lead in circular business products and services for IE existing and future customers



**Carbon Trading  
Platform**



**Water & Wastewater  
Management**



04

---

**Social Impact  
Management**

**“ Creating Perfect  
Cities Where  
Possibilities Happen ”**



# Social Impact Management Approach

1

Identify Target Group and Community Survey



2

Create Community Engagement



3

Community Impact Assessment



4

Design Projects/Activities

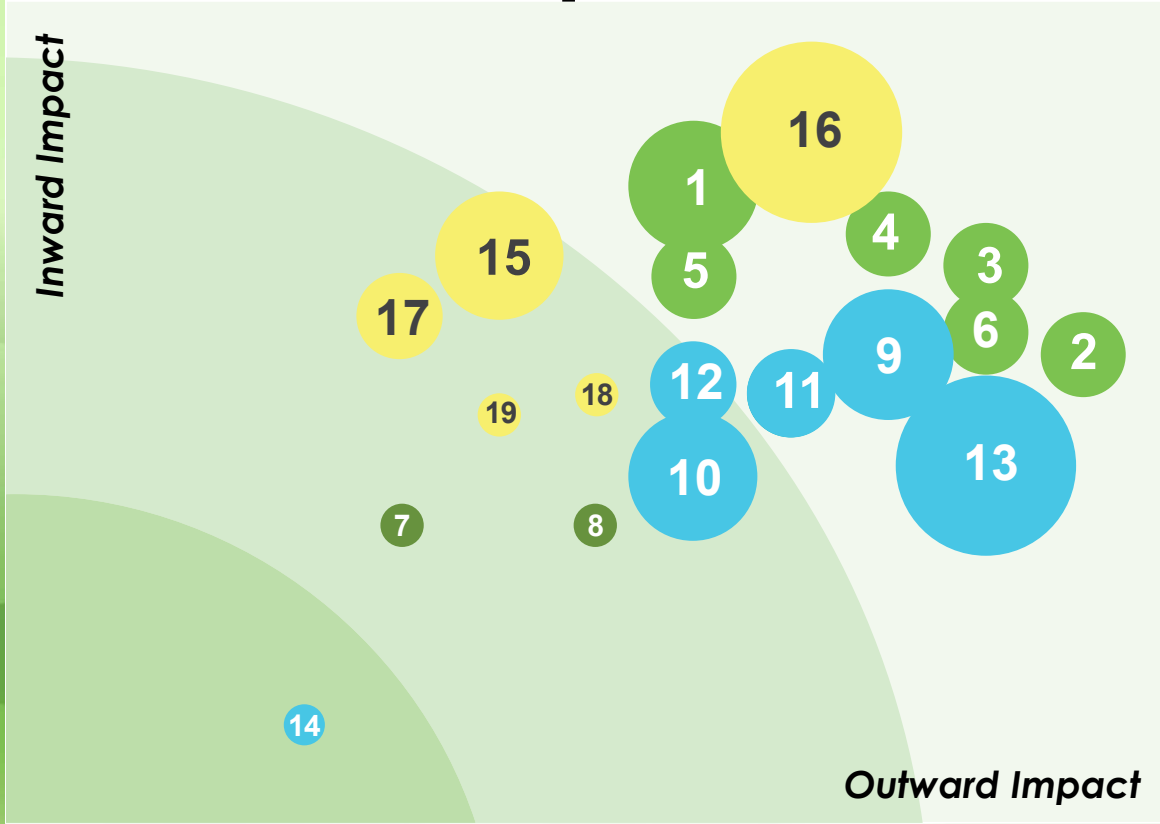


5

Regularly Monitor Performance & Reporting



# Material Topics 2022



## Importance to AMATA's Stakeholders



Very High

High

Slightly High

Medium

Environmental

Social

Governance

Critical – impact material topics

<b>1</b> Environmental Quality Control	<b>9</b> Customer Experience	<b>15</b> Business Ethics & Integrity
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<b>8</b> Circular economy		



## Education



## Evaluation



## Engineering



**'6E Concept'  
Towards Zero  
Road Accident**

## Emergency Management System (EMS)



## Enforcement



## Encouragement



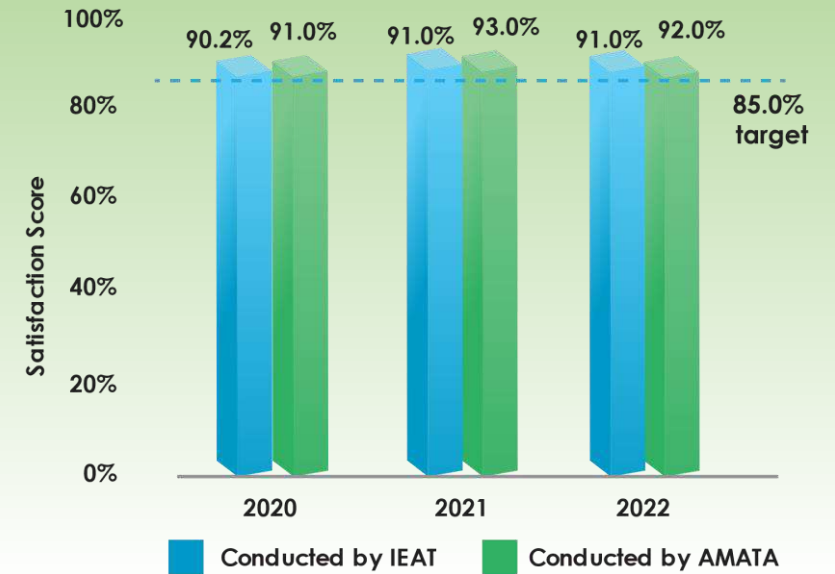
# Safety City Smart City



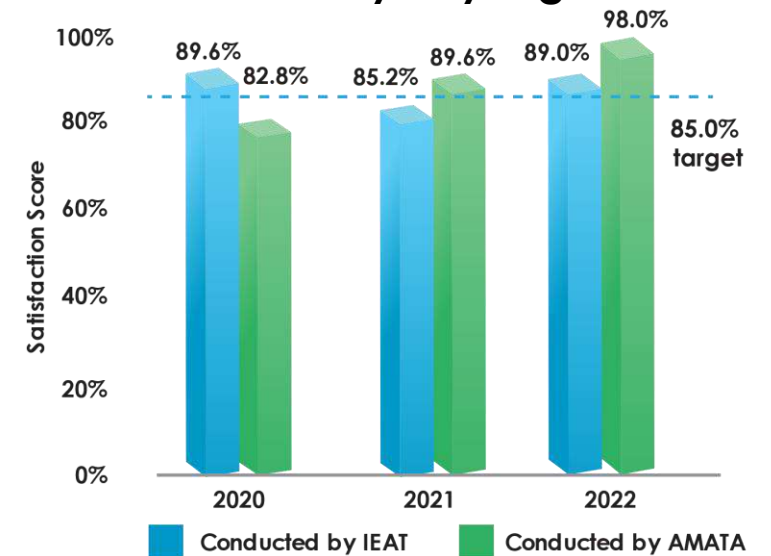
## Road Accident Statistic at AMATA City Industrial Estates



## Community Satisfaction Survey Results AMATA City Chonburi



## Community Satisfaction Survey Results AMATA City Rayong





# โครงการพัฒนาชุมชนต้นแบบด้านการจัดการน้ำและขยะอย่างยั่งยืน ต.หนองไม้แดง จ.ชลบุรี

## วัตถุประสงค์

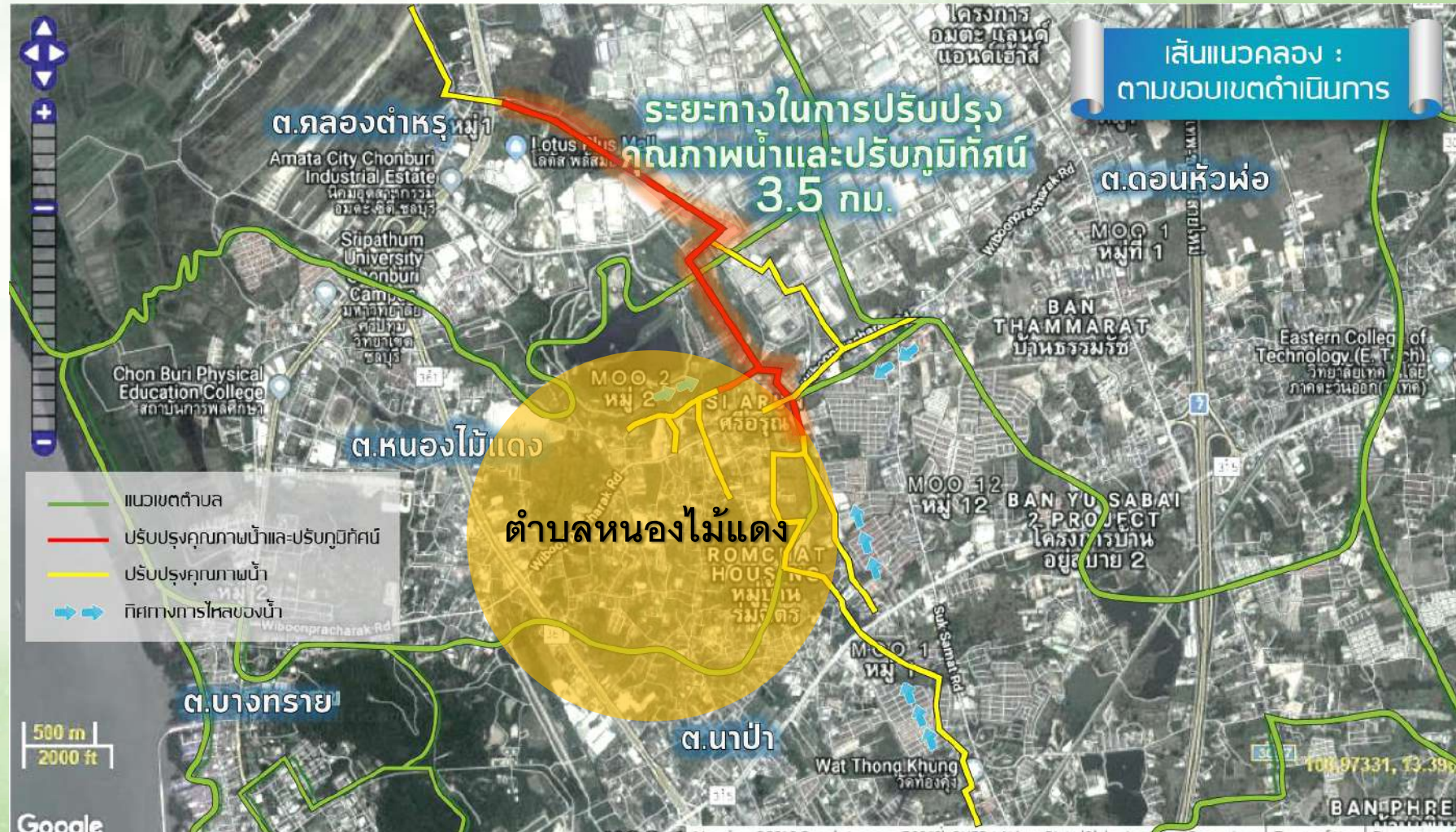
เพื่อส่งเสริมการอยู่ร่วมกันระหว่างภาคอุตสาหกรรม กับชุมชนอย่างยั่งยืน

## เป้าหมาย

เพื่อนำความชำนาญและประสบการณ์ของบริษัทในด้านการจัดการสิ่งแวดล้อม ไปช่วยพัฒนาชุมชนต้นแบบด้านการจัดการน้ำและขยะอย่างยั่งยืน และสามารถใช้เป็นแหล่งเรียนรู้ให้กับชุมชนอื่นๆต่อไปในอนาคต

## ผู้ร่วมโครงการ

หน่วยงานภาครัฐ เทศบาล ผู้นำท้องถิ่น บริษัทเอกชน







# Questions & Answers