

## Eco-industrial Development Concept

We believe that development should encompass approaches that support industry, communities and the environment to co-exist harmoniously. Therefore, this project aims to promote balance and sustainability, whilst simultaneously boosting the competitive advantage of industry and collaboration between community and industry.

We promote this on three levels.

### 1. Factory:

The one thing that a factory can control is cost. If a resource is used efficiently and waste is minimized, the cost tends to decrease. Periodic assessments to identify opportunities for resource efficient, management system implementation, low carbon technology application and green chemistry alternatives, as well as BAT/BEP implementation, can help to reduce costs and enhance the environment.

### 2. In the industrial sector:

When a factory uses resources efficiently, the by-products and wastes are minimized. However, those by-products and wastes could be useful resources for neighbouring factories. This can generate value and reduce waste management costs. Don't forget to look out for resource sharing opportunities with neighbours.

### 3. Industry and the community:

Factory staff are the key link between factories and communities. Community business development through the use of factory by-products and power generation using community municipal wastes are just some examples of industry-urban symbiosis actions implemented in Thailand and beyond.



Application of industry-urban symbiosis and green chemistry for low emission and persistent organic pollutants-free industrial development in Thailand

## Project Objective

The project aims to reduce greenhouse gas emissions (GHGs), as well as releases of persistent organic pollutants (POPs) and other harmful chemicals from industries and urban centres through the application of industry-urban symbiosis and green chemistry technology.

## Project Target

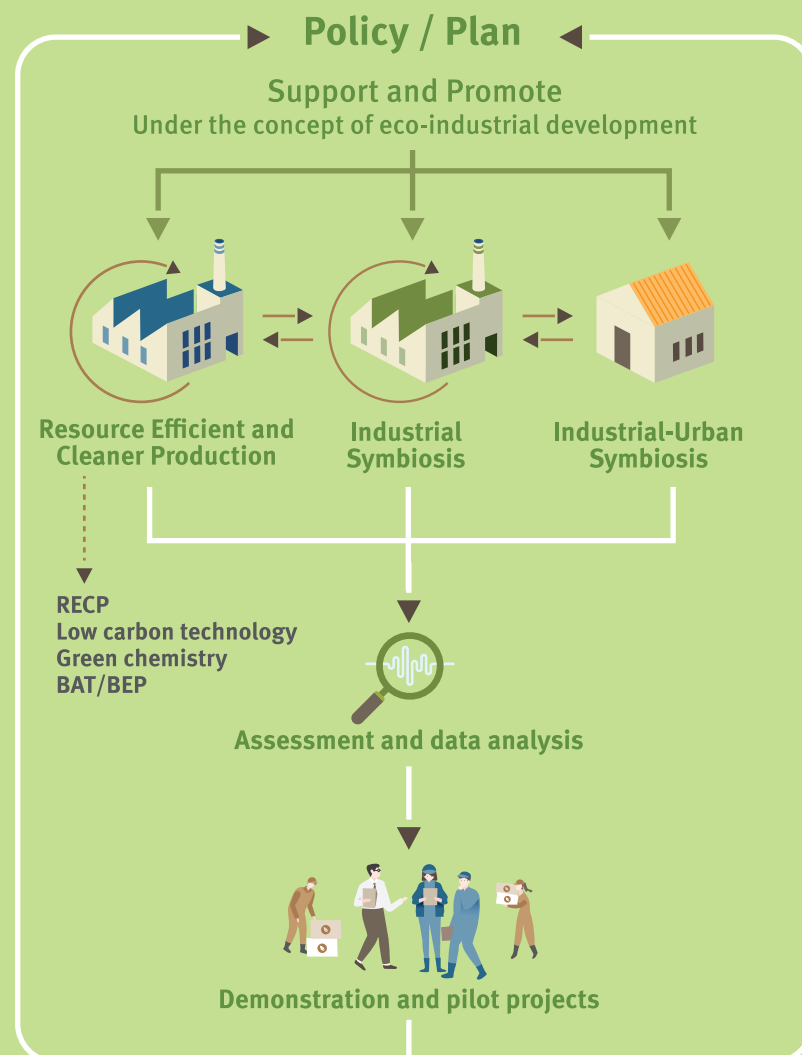
Direct GHG reduction of  
**1,305,761 tons CO<sub>2</sub> eq**  
in 10 years

Disposal of POPs  
**620 tons**

## Project Duration

2020 → 2025

## How does the project help?



## Project Activities

We believe that everyone can be a part of our project activities.



### If you are a community member,

Learn how to sort your waste to increase your income and save the environment at the same time.



### If you are working in the industrial sector,

Learn how to use resources efficiently for cost reduction and environmental enhancement.



### If you are a consultant, vendor, supplier or service provider to the industry,

Learn techniques from local and national experts.



### If you are a member of an industrial zone/a park/an estate,

Learn how to mobilize your factory and industrial zone/park/estate to become eco-industrial compatible with international standards.



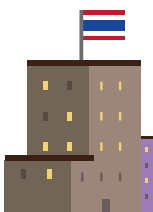
### If you are an e-waste collector, sorter and dismantler,

Learn how to sort waste to prevent the incorrect recycling of POPs-contaminated products.



### If you are an e-waste and waste recycler,

Prevent the re-introduction of POPs into the product cycle.



### If you work for local authorities who handle waste management,

Learn how to sort POPs-contaminated waste for disposal.

### If you represent relevant government agencies,

Support the industry and community on resource efficient, waste management, and prevention of the recycling of POPs-contaminated wastes.

We would like to invite you to be a part of our activities to turn your thoughts into action.

If you are a member of an industrial zone/ a park/an estate, we believe that we can help you to increase your industrial area's potential and image.

If you are working in the industrial sector, we believe that we can help you to reduce costs, increase your capacity and enhance your environment.

If you are a community member, we believe that we can help you to better handle your waste and increase the revenue of your family.

If you are an e-waste collector, sorter and dismantler, we believe that we can help you to increase your level of safety at work.

If you are a consultant, vendor, supplier or service provider to the industry, we believe that we can help you to increase your capacity and potential.

If you are an e-waste and waste recycler, we believe that we can help you to increase work safety and protect the environment.

If you work for local authorities who handle waste management, we believe that we can collaborate with you to ease your waste management and protect yourself from pollutants.

If you represent relevant government agencies, we believe that we can collaborate with you to support and promote industry and the community to reduce costs and increase revenue.

[www.industry-urban-symbiosis-project.com](http://www.industry-urban-symbiosis-project.com)

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Project Objective, Project Target, Project Duration, How does the project help?, Project Activities