



*RESOURCE EFFICIENT
AND CLEANER PRODUCTION*

BROTHER INDUSTRIES SAIGON COMPANY
AMATA INDUSTRIAL PARK

The **Global Eco-industrial Parks Programme - Country level intervention in Vietnam (2020-2024)**, funded by the Swiss State Secretariat for Economic Affairs (SECO) and implemented by the United Nations Industrial Development Organization (UNIDO) in collaboration with the Ministry of Planning and Investment (MPI), aims to enhance the environmental, economic, and social performance of industrial parks and zones in Vietnam. This initiative promotes the eco-industrial park approach in selected pilot industrial parks and supports the development of relevant national policies.

The project supports over 100 tenant companies in pilot industrial parks in implementing Resource Efficient and Cleaner Production (RECP) practices. These efforts aim to enhance the quality of life for workers and promote sustainable production.

COMPANY INFORMATION



Company Name: BROTHER INDUSTRIES SAIGON COMPANY
Address: Lot 301, Road 7A, Long Binh (Amata) Industrial Park, Long Binh Ward, Bien Hoa City, Dong Nai Province, Vietnam
Key Product: Manufacture of machines for the textile, garment, and leather industries
Number of workers: 2700 people
Number of working day: 312 days/year

PRODUCTION PROCESS



TYPES OF WASTE

Wastewater

- » Mainly domestic wastewater and wastewater in the production process
- » Wastewater treatment system with capacity of 125 m³/day. The treated wastewater meets the discharge standards of the industrial park

Solid waste

- » Muss, paper, nylons, iron, plastic, wood and other common industrial wastes



THE PROJECT'S INTERVENTIONS AND IMPACTS

The project has supported by:

- » Conducting capacity building training on RECP and Industrial Symbiosis for company technical staff
- » Conducting RECP assessment by project experts
- » Proposing solutions to improve resource efficiency and production efficiency of companies

Proposed by the project

<ul style="list-style-type: none"> ■ Repairing and fixing compressed air leaks 	<ul style="list-style-type: none"> ■ Optimizing air compressor room ventilation
<ul style="list-style-type: none"> ■ Cleaning the air compressor filter 	<ul style="list-style-type: none"> ■ Reinstalling sight glass for AC system cooling tower
<ul style="list-style-type: none"> ■ Recovering cold heat of cold waste air 	<ul style="list-style-type: none"> ■ Optimizing lighting: Replace LED bulbs and Installing lampshades

Solution type	Potential benefits	Implemented results
 <p>Save energy</p>	<p>12 solutions to reduce electricity consumption 430,777 kWh/year (equivalent to 346.39 t CO₂/year), to save 861.55 million VND/year (36,661 USD/year).</p> <p>1 solution to install solar panel system. Potential saving: 4,212,000 kWh/year;</p>	<p>6 solutions to reduce electricity consumption 250,905 kWh/year (equivalent to 201,75 t CO₂/year), to save 501.81 million VND/year (21,353 USD/year)</p>
 <p>Other benefits</p>	<ul style="list-style-type: none"> ■ Raising awareness among company managers and workers regarding the use of electricity and water ■ RECP solutions are being studied and evaluated for technical feasibility 	