



## A CASE STUDY ON RESOURCE EFFICIENT AND CLEANER PRODUCTION

### SAITEX INTERNATIONAL DONG NAI CO., LTD

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.

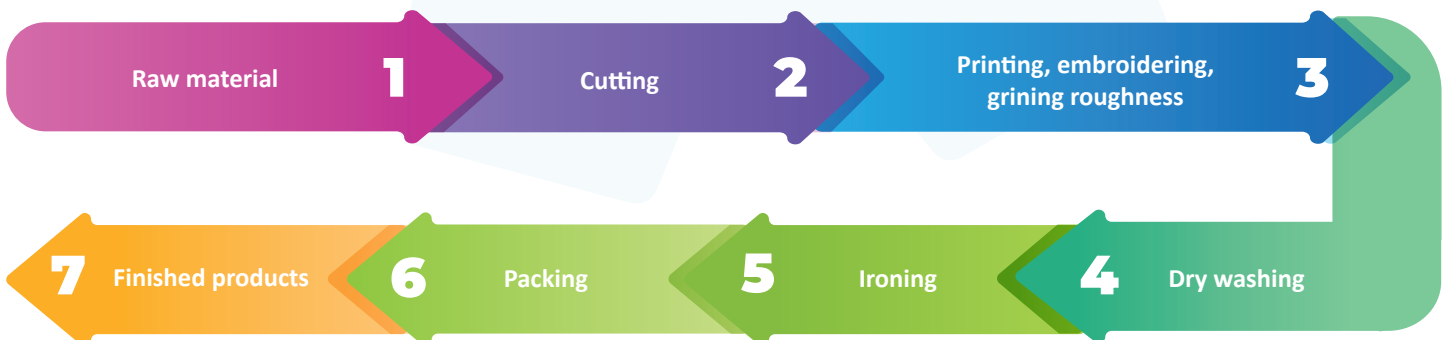
The project supports over 100 tenant companies in pilot industrial parks in implementing Resource Efficient and Cleaner Production (RECP) practices. These efforts aim to enhance the quality of life for workers and promote sustainable production.

## COMPANY INFORMATION



**Company Name:** Saitex International Dong Nai Co., Ltd  
**Address:** Lot 236, Amata Street, Amata Industry Park, Long Binh ward, Bien Hoa city, Dong Nai province  
**Website:** <https://www.sai-tex.com/>  
**Key Product:** Garment products from denim fabric  
**Production capacity:** 12,600 tons of cast ingot/year  
**Number of workers:** 2,800 people  
**Number of working day:** 312 days/year

## PRODUCTION PROCESS



## TYPES OF WASTE

### Wastewater

- » Domestic wastewater: wastewater is mainly the domestic wastewater from workers: 171,817 m<sup>3</sup>/year

### Solid waste

- » Industrial waste: scrap fabric, carton, scrap paper, nylon, metal, non-hazardous sewage sludge and packaging material
- » Domestic waste




## 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"> <li>■ Fixing compressed air leaks</li> </ul>	<ul style="list-style-type: none"> <li>■ Replacing 05 high-pressure lamps with lamps LED 40W</li> </ul>
<ul style="list-style-type: none"> <li>■ Enhancing cleaning and maintenance of air compressor filters</li> </ul>	<ul style="list-style-type: none"> <li>■ Turning off excess fan for saving ventilation system</li> </ul>
<ul style="list-style-type: none"> <li>■ Enhancing thermal insulation of hot surfaces</li> </ul>	<ul style="list-style-type: none"> <li>■ Strengthening inspection and immediately repair leaks and wastewater</li> </ul>
<ul style="list-style-type: none"> <li>■ Fixing steam leak (fixing all steam leaks and repairing damaged steam traps.)</li> </ul>	<ul style="list-style-type: none"> <li>■ Reducing hand wash faucet flow to 6 liters/min</li> </ul>
<ul style="list-style-type: none"> <li>■ Investing in rooftop solar systems</li> </ul>	

Solution type	Potential benefits	Implemented results
 <p>Save energy</p>	<p><b>6 solutions</b> to reduce electricity consumption of 687,661kWh/year (equivalent to 552t CO<sub>2</sub>/year), to save 1.55 billion VND/year (66,013 USD/year)</p> <p><b>1 solution</b> to install rooftop solar power system</p> <p>Potential saving: 5,574,000 kWh/year;</p>	<p><b>5 solutions</b> to reduce electricity consumption of 687,661kWh/year (equivalent to 552t CO<sub>2</sub>/year), to save 1.55 billion VND/year (66,013 USD/year)</p> <p><b>1 Solution</b> to install rooftop solar power system will be implemented in the near future</p>
 <p>Save water</p>	<p><b>2 solution</b> to reduce water consumption of 3,180 m<sup>3</sup>/year, to save 83.36 million VND/year (3,547 USD/year)</p>	<p><b>2 solution</b> to reduce water consumption of 3,180 m<sup>3</sup>/year, to save 83.36 million VND/year (3,547USD/year)</p>
 <p>Other benefits</p>	<ul style="list-style-type: none"> <li>■ Raising awareness among company managers and workers regarding the use of electricity and water</li> <li>■ RECP solutions are being studied and evaluated for technical feasibility</li> </ul>	