



**RESOURCE EFFICIENT  
AND CLEANER PRODUCTION**

**JIANGSU JINGMENG VN CO., LTD**  
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:** JIANGSU JINGMENG VN CO., LTD  
**Address:** 104/2-2 AMATA Industrial Park, Long Binh Ward, Bien Hoa City, Dong Nai Province  
**Product:** Sweater  
**Production capacity:** 1,765,276 piece/year (2021)  
**Number of workers:** 365 people  
**Working day:** 312 day/year

**PRODUCTION PROCESS**



## TYPES OF WASTE

### Wastewater

- » Mainly the domestic wastewater from workers. Wastewater is collected in the wastewater treatment system to meet environmental standards

### Solid waste

- » Mainly solid waste includes carton box and plastic bag




## 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>▪ Reducing Taiwan transformer 1000kVA voltage</li> </ul>	<ul style="list-style-type: none"> <li>▪ Installing a base capacitor for the transformer</li> </ul>
<ul style="list-style-type: none"> <li>▪ Replacing the damaged 50 KVAR capacitor with a 20 KVAR capacitor</li> </ul>	<ul style="list-style-type: none"> <li>▪ Increasing inspection and maintenance of electrical wiring: cutting off power to ensure electrical safety</li> </ul>
<ul style="list-style-type: none"> <li>▪ Optimizing the air compressor pressure setting to save electricity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Replacing old piston compressors with new screw compressors with integrated inverter</li> </ul>
<ul style="list-style-type: none"> <li>▪ Repairing the steam traps of the iron right away. Opening the steam stop valve of the smallest iron. Locking the steam supply valve for the iron when there is no worker working</li> </ul>	<ul style="list-style-type: none"> <li>▪ Replacing pipe F27 with a F19 tube fitted with an irrigation sprinkler with a spraying nozzle output of 560 liters/hour and a block-valve of the hoses; the continuous water opening time will be reduced to about 6 hours</li> </ul>
<ul style="list-style-type: none"> <li>▪ Recovery of condensate for boiler</li> </ul>	<ul style="list-style-type: none"> <li>▪ Enhancing thermal insulation of all hot surfaces. Repairing damaged steam traps</li> </ul>
<ul style="list-style-type: none"> <li>▪ Increasing inspection and immediate repair of all leaks, broken pipes, wasted water overflow</li> </ul>	

Solution type	Potential benefits	Implemented results
 Save energy	<b>11 solutions</b> to reduce electricity consumption 224,556 kWh/year; (equivalent to 196.65 t CO <sub>2</sub> /year), Saving 319 million VND/year (13,574 USD/year)	<b>7 solutions</b> to reduce electricity consumption 159,554 kWh/year (equivalent to 128.3 CO <sub>2</sub> /year); Saving 239 million VND/year (10,184 USD/year)
 Save water	<b>2 solutions</b> to save 4,140m <sup>3</sup> water/year; Save 62 million VND/year (2,638 USD/year)	<b>2 solutions</b> to save 4,140m <sup>3</sup> water/year; Save 62 million VND/year (2,638 USD/year)
 Other benefits	<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>	