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RESOURCE EFFICIENT AND CLEANER PRODUCTION

GREEN OASIS PURE WATER JOINT STOCK COMPANY

AMATA INDUSTRIAL PARK

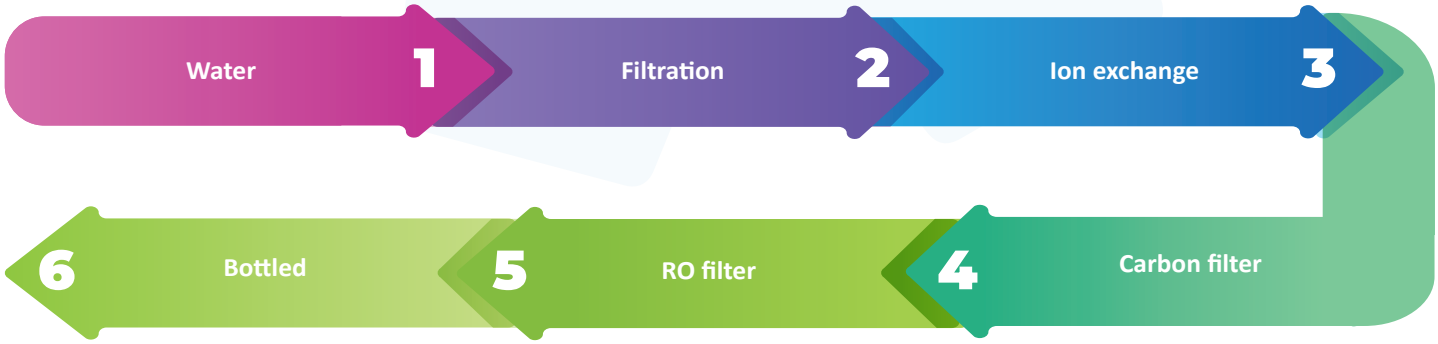
The **Global Eco-industrial Parks Programme - Country level intervention in Vietnam** (2020-2024), funded by the Swiss State Secretariat for Economic Affairs (SECO) and implemented by the United Nations Industrial Development Organization (UNIDO) in collaboration with the Ministry of Planning and Investment (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: GREEN OASIS PURE WATER JOINT STOCK COMPANY (JOVITA)
Address: Lot 101/2-1, Road 3B, Long Binh Industrial Park, Long Binh Ward, Bien Hoa City, Dong Nai Province
Product: Bottled purified water
Number of workers: 150 people
Working day: 8 hours/day

PRODUCTION PROCESS



TYPES OF WASTE

Wastewater

» Mainly domestic wastewater from workers and production process (mainly RO wastewater). This wastewater has a relatively low concentration of pollutants

Solid waste

» Insignificant solid waste, mainly plastic bottles and cardboard

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	
■ Reducing the voltage at the substation	■ Cleaning the air compressor filter
■ Installing inverter for air compressor	■ Enhancing thermal insulation of all hot surfaces
■ Recovering steam	■ Installing a steam barrier for the 20l water tank shrinking line
■ Strengthening water management in the factory	■ Investing in a filtration system to be able to recover wastewater from the RO filtration system
■ Changing the calculation of the amount of wastewater	■ Optimizing compressed air pressure

Solution type	Potential benefits	Implemented results
Save energy	**10 solutions** to reduce electricity consumption 153,046 kWh/year (equivalent to 123.06 t CO_2/year), to save 306.9 million VND/year (13,025 USD/year)	**2 solutions** to reduce electricity consumption 7,603.2 kWh/year (equivalent to 6.11 t CO_2/year), to save 81.56 million VND/year (3,470 USD/year)
Save water	**2 solutions** to save 12,730 m^3 water/year; Save 224.81 million VND/year (9,991 USD/year)	**1 solution** to save 5,529.6 m^3 water/year; Save 66.3million VND/year (2,821 USD/year)
Other benefits	■ Raising awareness among company managers and workers regarding the use of electricity and water ■ RECP solutions are being studied and evaluated for technical feasibility	