



PROJECT REPORT

Eco-industrial park initiative for
sustainable industrial zones
in Viet Nam 2014-2019



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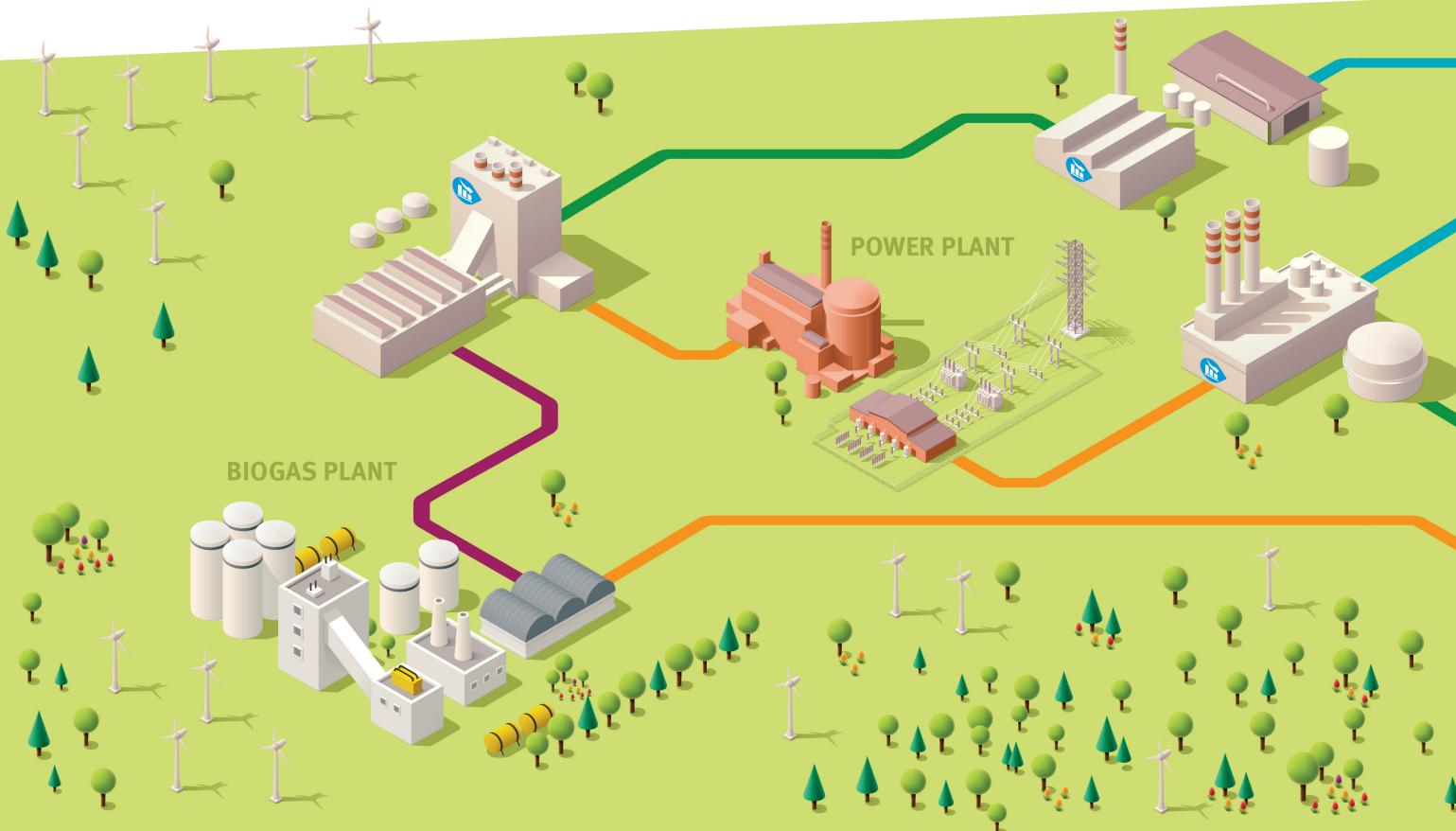
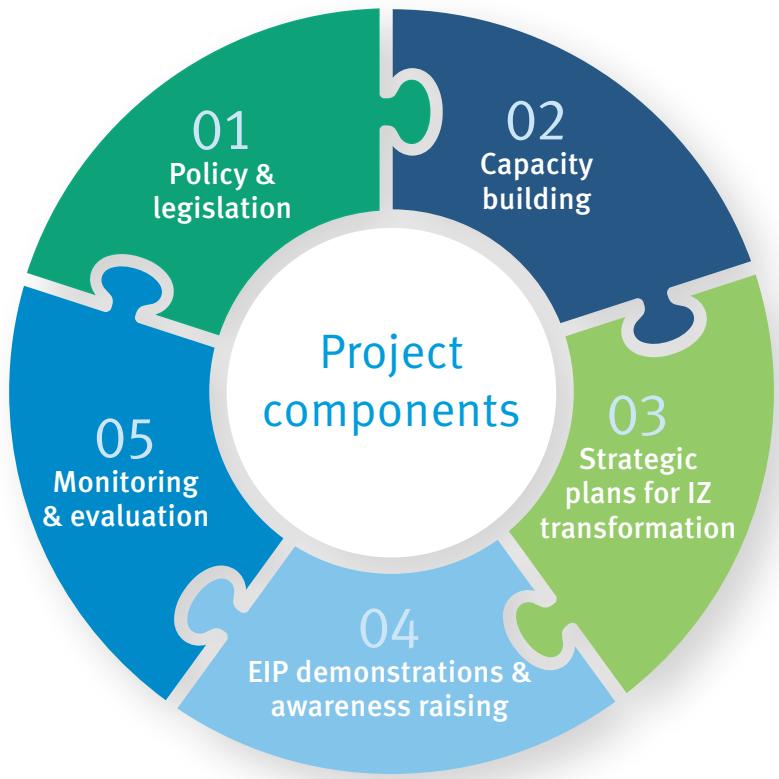
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Eco-Industrial Park Vietnam

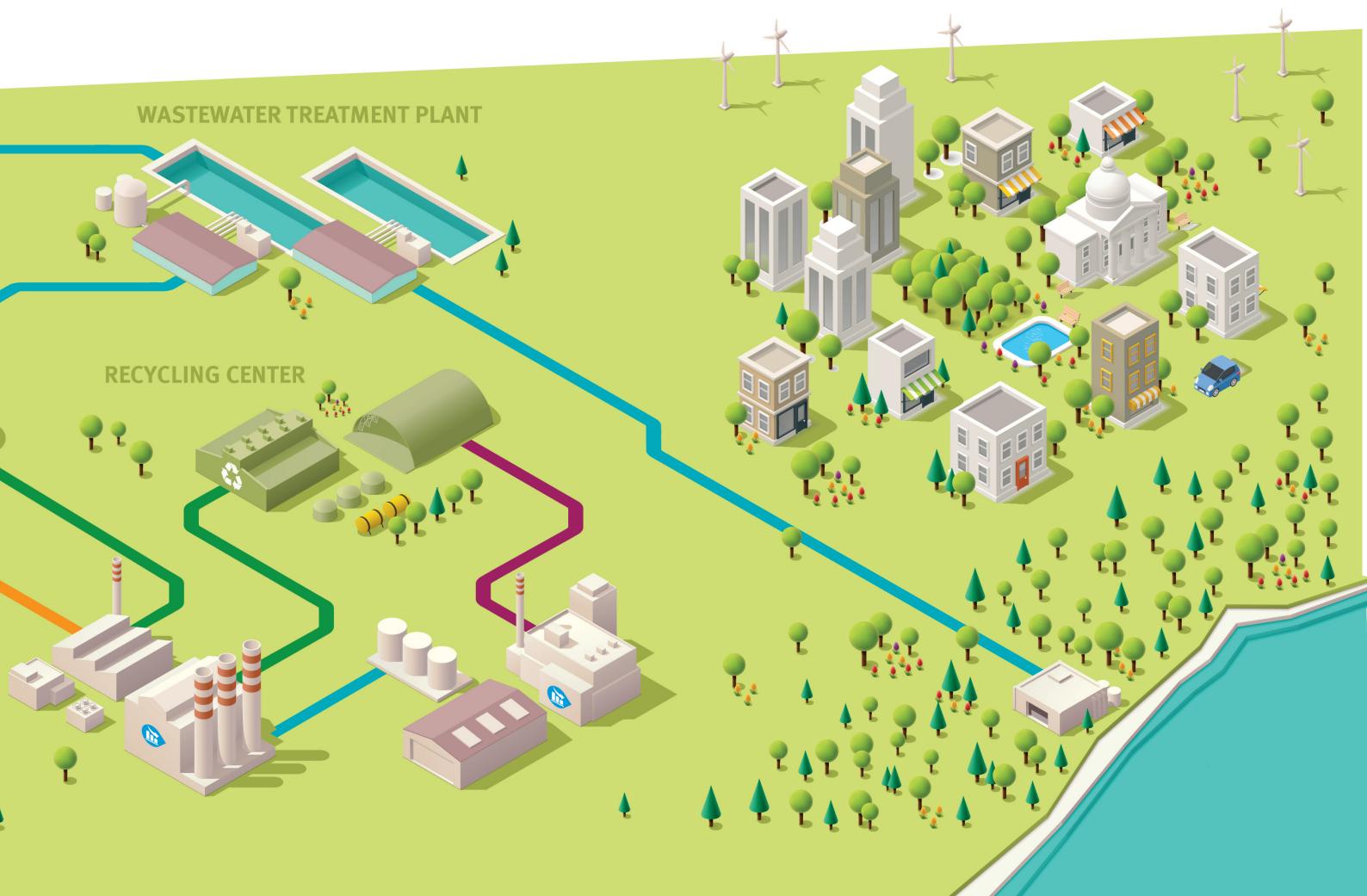


Project in Brief

Project objective: the project, implemented by the Ministry of Planning and Investment (MPI) and the United Nations Industrial Development Organization (UNIDO) in 2014-2019, aimed at increasing transfer, deployment and diffusion of clean and low-carbon technologies, minimization of greenhouse gas (GHG) emissions, persistent organic pollutants (POPs) and water pollutants as well as improving water-efficiency and sound management of chemicals.

The project promoted and supported the gradual transformation of industrial zones into eco-industrial parks. In parallel, it also raised enterprise awareness on making optimum use of natural resources, minimizing environmental pollution, while providing positive socio-economic benefits to workers and communities nearby.

Four industrial zones were targeted across Viet Nam: Khanh Phu & Gian Khau (in Ninh Binh province), Hoa Khanh (Da Nang) and Tra Noc 1&2 (Can Tho).



Implemented by



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

Executed by



Ministry of Planning and
Investment of Vietnam

Funded by



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO



Key National Stakeholders

- Ministry of Planning and Investment (MPI)
- Ministry of Science and Technology (MOST)
- Ministry of Natural Resources and Environment (MONRE)
- Ministry of Industry and Trade (MOIT)
- Vietnam Environment Protection Fund (VEPF)
- Vietnam Development Bank (VDB)

Benefits for participating companies and park managers

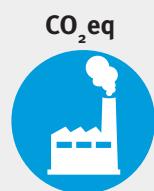
- ✓ Improved resource efficiency through the reduction of the use of raw materials, water and energy
- ✓ Reduced production costs
- ✓ Improved competitiveness and profitability
- ✓ Minimized GHG emissions, release of UPOPs and use of toxic chemicals
- ✓ Reduced waste through the promotion of Cleaner Production and the 3 R's (Reduce, Reuse and Recycle)
- ✓ New and more employment opportunities
- ✓ Improved workers' health and safety as well as quality of life of communities
- ✓ Better access to new technologies and financial instruments

Four targeted industrial parks from three provinces



Environmental benefits from resource
efficient and cleaner production
(RECP) interventions and from
industrial symbiosis (IS)

Total over investments lifetime*	Target at project entry
2,901,681 t	1,273,000 t
225,354 kg/y	76,900 kg/y
8,115,999 m ³ /y	6,000,000 m ³ /y
20,262 µg/y	810,000 µg/y



Water use reduction



UPOPs



Implementation of RECP recommendations by 56 tenant companies (76 companies involved)		
Total RECP recommendations	758	100%
Implemented and maintained	676	89%
Planned for implementation	33	4%
Still under consideration	19	3%
Unlikely to be implemented	30	4 %

Implementation of industrial symbiosis recommendations by tenant companies		
Companies surveyed	137	
Companies with IS opportunities identified	61	
Companies with IS opportunities studied	18	100%
Companies with		

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