

## Taiwan's Energy-saving and Environmental Protection Team Expands into Vietnam, Seizing New Green Engineering Opportunities in Northern Vietnam !

The reorganization of the global supply chain has made northern Vietnam the preferred investment destination for international electronics manufacturers looking to strengthen supply chain resilience in recent years. However, Vietnam's strict wastewater and environmental protection regulations, along with ESG (Environmental, Social, and Governance) requirements in the supply chain, have prompted companies to intensify their efforts in energy saving and carbon reduction. This has created new green business opportunities in local emerging industrial zones and factories, particularly in water resource management, wastewater treatment, and energy efficiency improvements.

To assist Taiwanese companies in expanding into new markets under the New Southbound Policy, the International Trade Administration of the Ministry of Economic Affairs specially focused on areas in northern Vietnam, including Nam Dinh, Vinh Phuc, Bac Ninh, and Thai Binh. They connected with major industrial zone developers and engineering contractors such as CNC Tech, Think Vuong, VPID (Vinh Phuc Infrastructure Development), and Capella Land and linked them with 10 Taiwanese companies, including EVER-CLEAR and FENRI, for a business development trip to Vietnam from July 29 to August 2. The primary goal of this trip was to identify the wastewater treatment specification requirements and explore the feasibility of applying Taiwanese technology to industrial wastewater treatment in Vietnam, fostering collaboration between Taiwanese manufacturers and local industrial zones and enterprises.

The team has already provided two-phase centralized wastewater treatment plant construction solutions for new industrial park projects by Vietnamese developers such as Think Vuong, VPID, and Capella Land. The first phase aims to quickly supply basic water and drainage facilities required by the initial enterprises moving in. The second phase involves specialized planning of treatment systems for specific pollutants, depending on the type of industry of the companies moving in, ensuring compliance with the

Vietnamese government's discharge standards. Additionally, for enterprises within the industrial zones, a comprehensive suite of customized services will be offered, covering wastewater system planning and design, installation, treatment equipment, and software design. By implementing reduction planning solutions, COD, SS, heavy metals, and other substances in the wastewater will be lowered to meet Vietnam's Class B discharge standards, helping businesses comply with regulations and international brand requirements.

Regarding Vietnamese environmental engineering turnkey contractors, there is also an opportunity for bilateral cooperation between Taiwan and Vietnam, allowing Taiwan to assist Vietnamese construction teams in enhancing their technical capabilities and integrating high-quality Taiwanese equipment into projects. For example, CNC Tech, a local engineering contractor, primarily helps companies build factories, covering services such as licensing applications, environmental assessments, and construction. However, due to their lack of experience in factory wastewater treatment, they typically outsource such services, resulting in high costs, unstable quality, and difficulty in controlling the construction quality. Therefore, CNC Tech hopes to receive comprehensive water treatment technical support and design planning from Taiwan, integrating smart water management to achieve intelligent water quality monitoring, precise chemical dosing to reduce filter material consumption, meet sustainability and environmental protection requirements, and provide high-quality, energy-efficient water treatment equipment to achieve energy-saving and carbon reduction goals. Such cooperation will be mutually beneficial, creating more business opportunities for both sides.

This project will continue to link upstream and downstream Taiwanese water treatment and energy-saving companies, as well as technical experts from institutions like the Industrial Technology Research Institute, to jointly explore future wastewater treatment and energy-saving cooperation plans with representatives of Vietnamese industrial zones and enterprises. The Taiwanese team will design customized system solutions according to the needs of different industries, assisting northern Vietnam in its rapid industrial and technological development while aligning with international environmental protection trends and meeting Vietnamese regulatory standards, thereby

attracting international brand supply chains to set up factories and establishing a mutually beneficial cooperative model.