

# iLotusLand in supporting 10 Industrial Parks of Viglacera to manage its wastewater discharged



**TIME**  
2022



**LOCATION**  
Over 12 provinces of VietNam



**CLIENT**  
Viglacera Corporation

## ABOUT THE CLIENT

Viglacera Corporation has developed more than 4,000 hectares of industrial land across 12 strategically located parks in Vietnam, attracting over \$15 billion USD in foreign direct investment and hosting 300+ enterprises. These parks, with occupancy rates often exceeding 80%, contribute over 40% to Viglacera's annual revenue and provide jobs for more than 150,000 workers. With \$500 million USD invested in infrastructure and plans to expand by 1,000 hectares, Viglacera remains a crucial player in Vietnam's industrial growth.



## THE CHALLENGE

Managing wastewater monitoring data across 10 industrial parks presents challenges such as integrating and harmonizing data from different sources, ensuring consistency and accuracy, and maintaining real-time monitoring with reliable infrastructure. Compliance with varying local regulations adds complexity, while protecting data from cyber threats requires robust security measures. Additionally, coordinating maintenance and technical support across multiple sites is resource-intensive, and scaling the system to accommodate growth poses technical and financial challenges, making effective management and oversight crucial.



## THE SOLUTION

Our iLotusLand for Environment Platform centralizes the management of 10 wastewater stations across Viglacera’s industrial parks into a single, cohesive system. The platform integrates monitoring equipment, including camera connections, providing real-time visual oversight alongside data collection and analysis. It offers a unified interface for seamless reporting, ensuring consistent monitoring and compliance with local regulations. With robust data security and a scalable architecture, the platform simplifies oversight and enables centralized management of all wastewater stations from one dashboard.

Application	Waste Water
Number of stations	10
Measured parameters	COD, TSS, pH, Flow, Amoni, NO3, DO
Instrument models	<b>Endress Hauser:</b> <ul style="list-style-type: none"> <li>- Liquiline CM444</li> <li>- Turbimax CUS51D</li> <li>- ISEmax CAS40D</li> <li>- Orbipac CPF81D</li> <li>- RSG35</li> <li>- Viomax CAS51D</li> <li>- Promag 10L80, DN80 3"</li> </ul>
Datalogger model	<u>Envidata 1801</u>
Software model	<u>iLotusLand Platform for Environment (On-Cloud)</u>



## THE RESULT

Our iLotusLand for Environment Platform centralizes the management of 10 wastewater stations across Viglacera’s industrial parks. By integrating monitoring equipment and camera connections into a single system, it enables real-time data and visual oversight, streamlines reporting for regulatory compliance, and ensures robust data security. This platform simplifies operations, enhances efficiency, and provides centralized control from one dashboard.

“iLotusLand is an environmental IoT company offering data-driven environmental monitoring solutions for better decision-making. With our plug-and-play stations, we monitor a wide range of parameters in Wastewater, Surface Water, Groundwater, Drinking Water, CEMS, AAQMS, etc. And iLotusLand data analytics platform delivers actionable insights for government, industries, and communities. Our commitment is to be a key player in fostering a sustainable future through intelligent environmental monitoring solutions and data science.”