

IDICO applies iLotusLand technology to remotely monitor 6 wastewater monitoring stations, aiming for a green industrial zone



TIME
2024



LOCATION
Ho Chi Minh City, Vietnam



CLIENT
IDICO-ISC

ABOUT THE CLIENT

IDICO is one of the leading economic corporations with over 20 years of experience in the fields of infrastructure investment and development, industrial zones, urban areas, and energy. To date, IDICO has developed and managed more than 10 industrial zones across the country, with a total area of over 3,270 hectares, attracting hundreds of domestic and international investors. IDICO's industrial zones not only bring economic benefits but also meet international standards for environmental protection, thanks to the application of advanced technologies in management and operation. With a long-term vision and a sustainable development strategy, IDICO has been making significant contributions to Vietnam's industrialization and modernization efforts.



THE CHALLENGE

IDICO is facing numerous challenges in managing and monitoring environmental stations at its industrial zones. With its large scale, the increasing number of monitoring stations, and the vast amount of data collected daily, ensuring the accuracy, continuity, and timeliness of the data is no small task. Additionally, integrating data from various monitoring stations and efficiently processing this information to comply with environmental regulations requires a modern and synchronized management and monitoring system. IDICO not only needs to ensure compliance with environmental protection standards but also must optimize the monitoring, analysis, and reporting of data accurately to support sustainable development and build trust with its investment partners.



THE RESULT

iLotusLand provides IDICO with a comprehensive solution package that includes the iLotusLand environmental monitoring data management and supervision software, as well as the iLotusLand LED & Public system for transparent disclosure of environmental data. The iLotusLand management software automatically collects, processes, and stores monitoring data from various stations, allowing real-time information display and supporting visual monitoring through reports and intuitive charts. The iLotusLand LED & Public system publicly displays environmental data from industrial zones via public display screens, enhancing transparency and building trust with the local community and investment partners.

Application	Wastewater Monitoring
Number of stations	6
Measured parameters	COD, pH, TSS, Temp, NH4, FlowIn, FlowOut, Total Follower, Amoni, Color
Datalogger model	Envidata 1801
Software model	iLotusLand Platform for Environment (On-Cloud) iLotusLand LED & Link Public



IDICO-ISC® HỆ THỐNG QUAN TRẮC MÔI TRƯỜNG TỰ ĐỘNG KCN IDICO Khu Công Nghiệp Nhơn Trạch 5 - Lúc 13:50 30/09/2024 Địa chỉ: Nhơn Trạch, Đồng Nai, Việt Nam			
COD 47 mg/l <small>Giới hạn: ≤ 60.75</small>	Color 17.4 Pt-Co <small>Giới hạn: ≤ 50</small>	FLOWIN 332 m3/h <small>Không có giới hạn</small>	FLOWOUT 302 m3/h <small>Không có giới hạn</small>
Flowin1 0 <small>Không có giới hạn</small>	Flowin2 161 <small>Không có giới hạn</small>	Flowin3 51.3 <small>Không có giới hạn</small>	Flowin4 120 <small>Không có giới hạn</small>
FlowTotal 2,390,000 <small>Không có giới hạn</small>	Amoni 0.22 mg/l <small>Giới hạn: ≤ 4.05</small>	TSS 2.52 mg/l <small>Giới hạn: ≤ 40.5</small>	Temp 34.2 oC <small>Giới hạn: ≤ 40</small>
pH 6.39 <small>Giới hạn: 6 → 9</small>			

THE RESULT

After implementing iLotusLand's solution, IDICO has significantly improved its efficiency in monitoring and managing environmental data. The monitoring process has been automated, which minimizes errors and enhances data accuracy. The system provides timely alerts for any unusual incidents, allowing IDICO to quickly address and prevent environmental issues. Additionally, the public disclosure of data through the iLotusLand LED & Public system has helped IDICO build its reputation and ensure transparency with the community and investors. This, in turn, contributes to enhancing the image of green industrial zones and promoting sustainable development.

“ 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. ”