

Toyota Vietnam Utilized iLotusLand Waste Water Monitoring Platform for Green Manufacturing Practices



TIME
2022



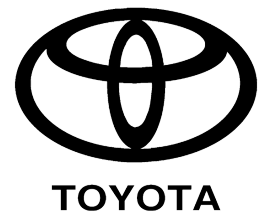
LOCATION
Vinh Phuc province - VietNam



CLIENT
Toyota Vietnam

ABOUT THE CLIENT

Toyota Motor Vietnam (TMV), established in 1995, operates a manufacturing plant in Phuc Yen town, Vinh Phuc province. With an investment of over \$89.6 million USD, the plant has a production capacity of approximately 60,000 units per year. It employs around 2,000 people and assembles popular models like the Toyota Vios, Innova, and Fortuner. TMV adheres to Toyota's high standards for quality, safety, and efficiency, making it a key production facility for the Vietnamese market.



THE CHALLENGE

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THE SOLUTION

To address their problem, the iLotusLand Monitoring Platform was implemented, allowing both operators and managers to access data remotely anytime and anywhere. Not only does it aid Toyota in storing all station data for sustainability reporting purposes, but it also facilitates communication among team members regarding operations, ensuring that all stakeholders have consistent and up-to-date information.

Application	Wastewater Monitoring
Number of stations	1
Measured parameters	COD, Flow, NH4, NI, pH, Temp, TN, TP, TSS
Instrument models	Endress Hauser: <ul style="list-style-type: none"> - Viomax CAS51D - Turbimax CUS51D - Orbipac CPF81D - Liquiline CA80AM - Liquiline CA80TP - Prosonic S FDU90 + FMU90 - Promag 10L80 DN80 3" - Promag 10L1H DN100 4" Applitek (Hach): <ul style="list-style-type: none"> - EZ 2004 (for Total Niken) - EZ 2004 (for Total Nitrogen) Flexim (Emerson): <ul style="list-style-type: none"> - FLUXUS F501 PK
Data logger model	Envidata 1801
Software model	iLotusLand Platform for Environment (On-Cloud)



THE RESULT

Following the installation of the iLotusLand platform, Toyota Vietnam has significantly enhanced its daily operational efficiency, particularly in detecting and troubleshooting issues. Moreover, headquarters personnel can now monitor on-site activities to ensure adherence to all relevant factors. These advancements enable Toyota Vietnam to better comply with local regulations and maintain its leadership in automotive manufacturing through green manufacturing practices.

“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.”