

iLotusLand Platform in Monitoring 10 Stations for TTC Industrial Zone in Tay Ninh Province



TIME
2022



LOCATION
Tay Ninh province - VietNam



CLIENT
TTC Industrial Zone

ABOUT THE CLIENT

Nestled within the vibrant landscape of Tay Ninh province in Vietnam, Thanh Thanh Cong Industrial Zone epitomizes the nation's industrial prowess. Spanning an extensive area of over 1,000 hectares, this dynamic zone serves as a nucleus for manufacturing and production activities. Strategically located, it enjoys proximity to key transportation arteries and major urban centers, facilitating seamless connectivity for businesses. With state-of-the-art infrastructure and utilities, including reliable power supply and advanced logistics networks, it caters to the diverse needs of over 200 domestic and international enterprises. TTC IZ stands as a beacon of Vietnam's industrial vision, driving economic growth and fostering innovation.



THE CHALLENGE

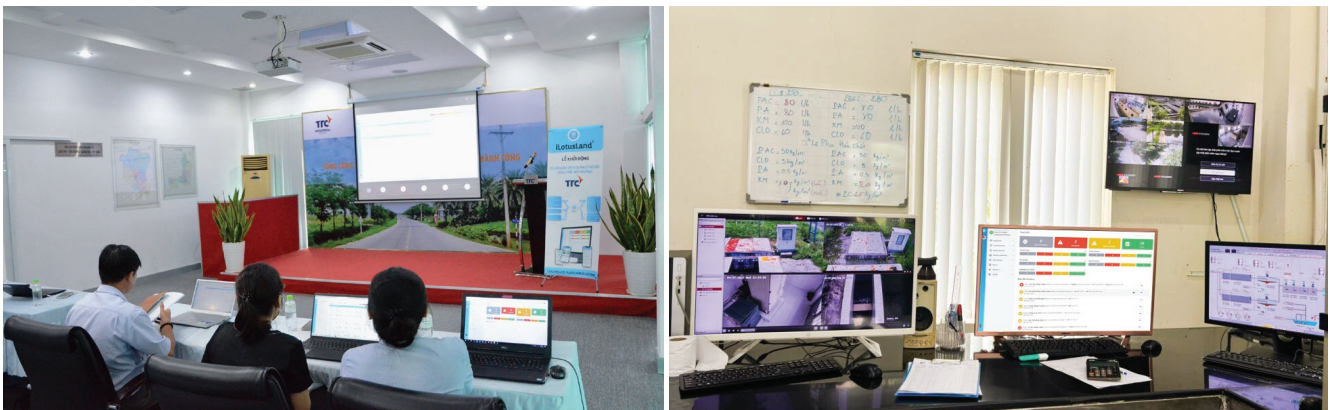
By having plenty of textile factories, it poses significant environmental challenges, especially in wastewater management. As the textile tenants discharge wastewater from dyeing, chemical usage process which is quite harmful to our nature. And this goes against the local regulation if they are not being treated well. And by having many wastewater monitoring stations installed, it makes the management team of the zone more difficult to manage things as these stations and their SCADA systems are quite isolated and not centralized for any remote management.



THE SOLUTION

iLotusland and its exclusive partner, Viet An Enviro offered the hardware instruments, datalogger, and software to provide the one-stop solution for Thanh Thanh Cong Industrial Zone. Making everything plug-and-play and easy to use. And the software which is installed in the customer server, plays the important role of centralizing all data from 10 different SCADA systems in the zone. Making every data now easily accessible anywhere anytime.

Application	Waste Water	Ground water	Supply Water
Number of stations	8	1	1
Measured parameters	COD, pH, Color, TSS, Temp, Ammoni, Flow	Level, Flow	Turbidity, pH, Clo, Pressure, Flow
Instrument models	E + H: - Viomax CAS51D, - Turbimax CUS51D - Orbipac CPF81D - Prosonic S FMU90 + FDU 90 - ISEmax CAS40D Horiba: UV300	E+H: Prosonic S FMU90 + FDU 90	Swan Analytical: AMI Turbiwell 7027, AMI Trides E+H: Prosonic S FMU90 + FDU 90, Cerabar PMC21
Datalogger model	Envidata 1801		
Software model	iLotusLand Platform for Environment (On-Premise) & iLotusLand for LED		



THE RESULT

“The software with its remarkable functionalities has strengthened us in remote management work over our 10 monitoring stations, and it also helps to store data locally for security purposes”

Mr. Tan Tran – Manager

The installation of 10 monitoring stations in Thanh Thanh Cong Industrial Zone, along with a dedicated platform, signifies a major stride in environmental protection. This initiative not only improves environmental compliance, but also enhances the reputation of the company in sustainability growth, marking it one of the top attractive locations for both foreign and domestic enterprises. And in fact, they did attract successfully some foreign customers to rent their property within millions of USD investment by just showing how well they are taking care of the environment with iLotusLand platform.

“ 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. ”