

iLotusLand for Led & Web Public Helps AMATA Vietnam To Share Water Discharge Data Publicly



TIME
2024



LOCATION
Dong Nai Province- VietNam



CLIENT
AMATA Vietnam

ABOUT THE CLIENT

AMATA Vietnam (the sub-company of Amata Thailand) founded in 2012, is a holding company with the core businesses that are in the field of industrial estates, commercial, and residential development and operations. It currently has projects covering an area of 3,000 hectares. AMATA currently owns 7 industrial zones and urban development areas in its portfolio throughout Vietnam, attracting more than 5 billion USD in investment. Committed to sustainability and innovation, AMATA Vietnam plays a vital role in driving economic development and enhancing Vietnam's competitiveness in the global market.



THE CHALLENGE

Positioned as one of the top Industrial Estate developers in Vietnam, AMATA Vietnam would like to showcase how well it takes care of the environment to the public, particularly in the discharge of wastewater. Moreover, they also need to find a way to apply it in order to increase their brand awareness as a sustainable, environmentally friendly industrial park – a trustworthy place to invest.



THE SOLUTION

Upon installing 2 iMisff 3101 units, complete with instruments, a datalogger, and the On-Cloud platform, AMATA Vietnam gets the iLotusLand for Led & Web Public into their system. This enabled the company to display real-time environmental data on LED screens and its website. The data, synchronized from the On-Cloud platform, is updated every 5 minutes to ensure transparency and continuous of data. When publishing, it is categorized into three sections: "In the threshold," "About to exceed," and "Exceeded", helping the people to facilitate easy interpretation and prompt action when necessary.

Application	Waste Water
Number of stations	2
Measured parameters	COD, TSS, Ammonium, pH, Flow, Temp, Color, Free Chlorine, Total Nitrogen
Instrument models	WTW: - Monitor AMI Solicon 4 - Monitor AMI Turbiwell 7027 - Monitor AMI Trides Swan: Monitor AMI Trides Horiba: UV300 Hach: EZ7705 Endress Hauser: - Turbimax CUS51D - Orbipac CPF81D - ISEmax CAS40D - Prosonic S FMU90 + FDU90
Datalogger model	Envidata 1801
Software model	iLotusLand for LED & Link Public



Vastewater Online Monitoring

WWTP - AMATA BIEN HOA - Dữ liệu 30 ngày gần nhất (22/02/2024 đến 22/03/2024)											
Địa chỉ: Khu Công Nghiệp Amata, Long Bình, Thành phố Biên Hòa, Đồng Nai, Việt Nam											
Thời gian	PH	TEMPER COD (oC)	TSS (mg/l)	Free Clo (mg/l)	Ammoni (mg/l)	FLOW IN (m3/h)	FLOW IN 1 (MODULE 1) (m3/h)	FLOW IN 2 (MODULE 2) (m3/h)	FLOW IN 3 (MODULE 3) (m3/h)	FLOW OUT (m3/h)	Đánh giá (QCVN)
22/03/2024	7.6032.56	24.09	25.49	0.06	1.06	307.33	171.89	0.00	135.44	205.41	Đạt
21/03/2024	7.5832.51	21.04	15.66	0.05	1.06	347.65	170.88	0.00	176.76	220.58	Đạt
20/03/2024	7.5832.12	18.30	10.61	0.08	1.06	344.75	178.27	0.00	166.48	200.25	Đạt
19/03/2024	7.5832.05	16.30	10.51	0.08	1.07	326.14	176.27	0.00	149.87	234.86	Đạt
18/03/2024	7.6232.31	18.30	9.96	0.08	1.07	291.00	165.43	0.00	125.57	198.78	Đạt

THE RESULT

“It is great that we have increased our reliability by showing our environmental data publicly. From that we could easily attract more sustainable customers to come and invest”
– Mr. Huynh Tran, Manager

With the implementation of iLotusLand for Led and Web Public, AMATA has successfully moved forward its brand and reputation to an even greener and more sustainable level. That is being done by proving transparently and publicly how well it has protected the nature surrounding and how confidently it promises to preserve it in the future.

“ 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. ”