

**Proposal of wastewater treatment
improvement service in industrial park
by using "Automatic monitoring system"**



MURATA Keisokuki Service Co.,Ltd
Takuya Yoshimura

January 19th, 2022

Outline

- I . About "MURATA Keisokuki Service"**
- II . Products and services to be introduced in this seminar :
"Automatic monitoring system (AMS) "**
- III . MURATA's efforts under city to city cooperation
between Yokohama and Da Nang, Vietnam**
- IV . Introduction of JICA project by using "AMS"**
- V . Proposal of wastewater treatment improvement service
in industrial park by using "AMS"**

I . About "MURATA Keisokuki Service"

- Established : 1972
- Number of employees : About 120
- Head office : Yokohama city



➤ Our Business in Japan

- ① Environmental survey and measurement services
(Environmental impact assessments)
- ② Scientific analysis
- ③ Development of environment-related systems
- ④ Various consulting services

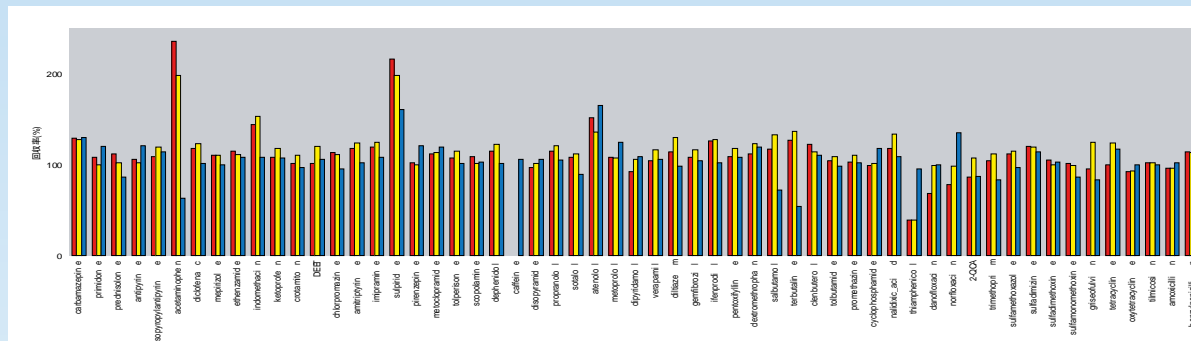


➤ Our Business in Japan (② Scientific analysis)

● Dioxins in river water



● Medicine contained in river water



● Sewage

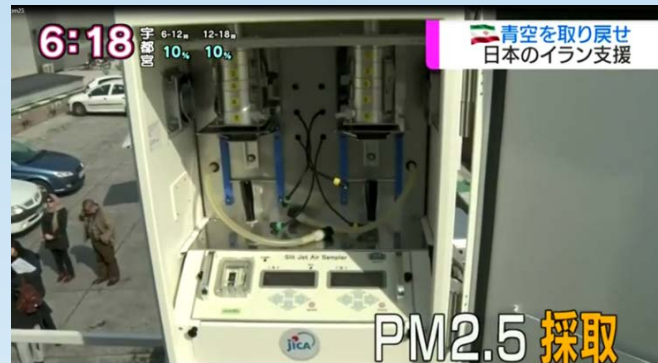


➤ Our Overseas Business

(③Development of environment-related systems)

● PM2.5 sampler

**JICA technical cooperation projects
in Iran, Mongolia, and Mexico.**



PM2.5 sampler used in Iran
(NHK News, February 16th, 2019)



II. Products and services to be introduced in this seminar : "Automatic monitoring system (AMS)"

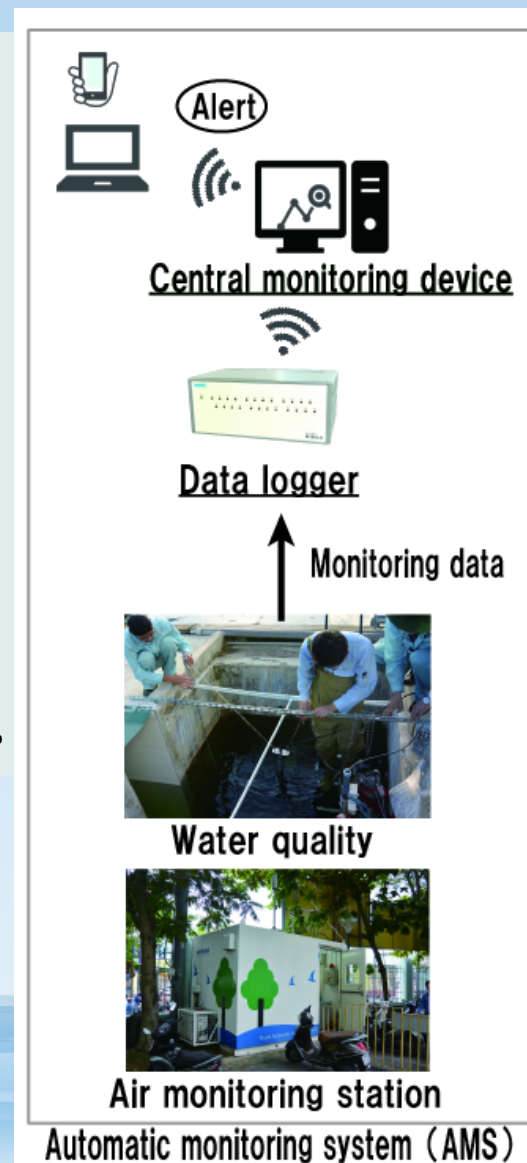
➤ Main applications

- Real-time monitoring
- Water quality, Air quality, and Meteorology.

➤ Features

- Early detection of abnormalities.
- Notice of Exceedance of Water / Air quality standards.
- Prompt response in case of trouble.
- Preventive maintenance based on data analysis.

⇒ **Overseas deployment**
(JICA project → Other projects)



II. MURATA's efforts under city to city cooperation between Yokohama and Da Nang, Vietnam



➤ 2018-2019 : JICA Project (F/S)

➤ 2019, 2021 : Da Nang Urban Development Forum

Report on JICA Project (F/S), Explanation of the next JICA project, and Signing of the cooperation agreement

➤ 2020-2021 : Participation in the Inter-city Cooperation Project (MOE)

Support for developing Danang's "10-Year Environment City Plan"



➤ Around 2022-2025 : Next JICA Project

II. MURATA's efforts under city to city cooperation between Yokohama and Da Nang, Vietnam



➤ 2019 : The 9th Da Nang Urban Development Forum



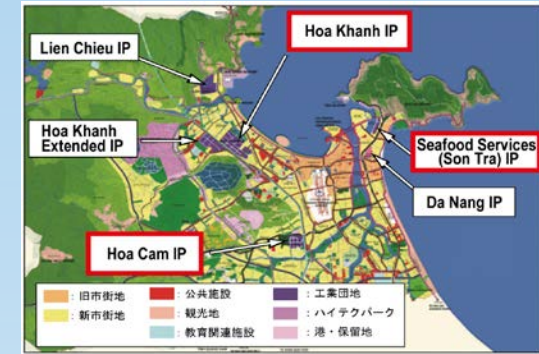
The 9th Da Nang Urban Development Forum in Yokohama on 9th September 2019

Officials from Da Nang City came to visit MURATA Keisokuki Service in Yokohama.

Ⅲ. Introduction of JICA project by using "AMS"

➤ 2018-2019 : JICA Project (F/S)

Feasibility Survey for Da Nang
Industrial Waste Management Project in Vietnam



Site inspection



Product conformance testing



Training in Japan
(Wastewater Treatment Plant)



Training in Japan
(Yokohama City Hall)



Development issue survey
(Parallel measurement of
water quality)



Development issue survey
(water quality survey)



Discussion

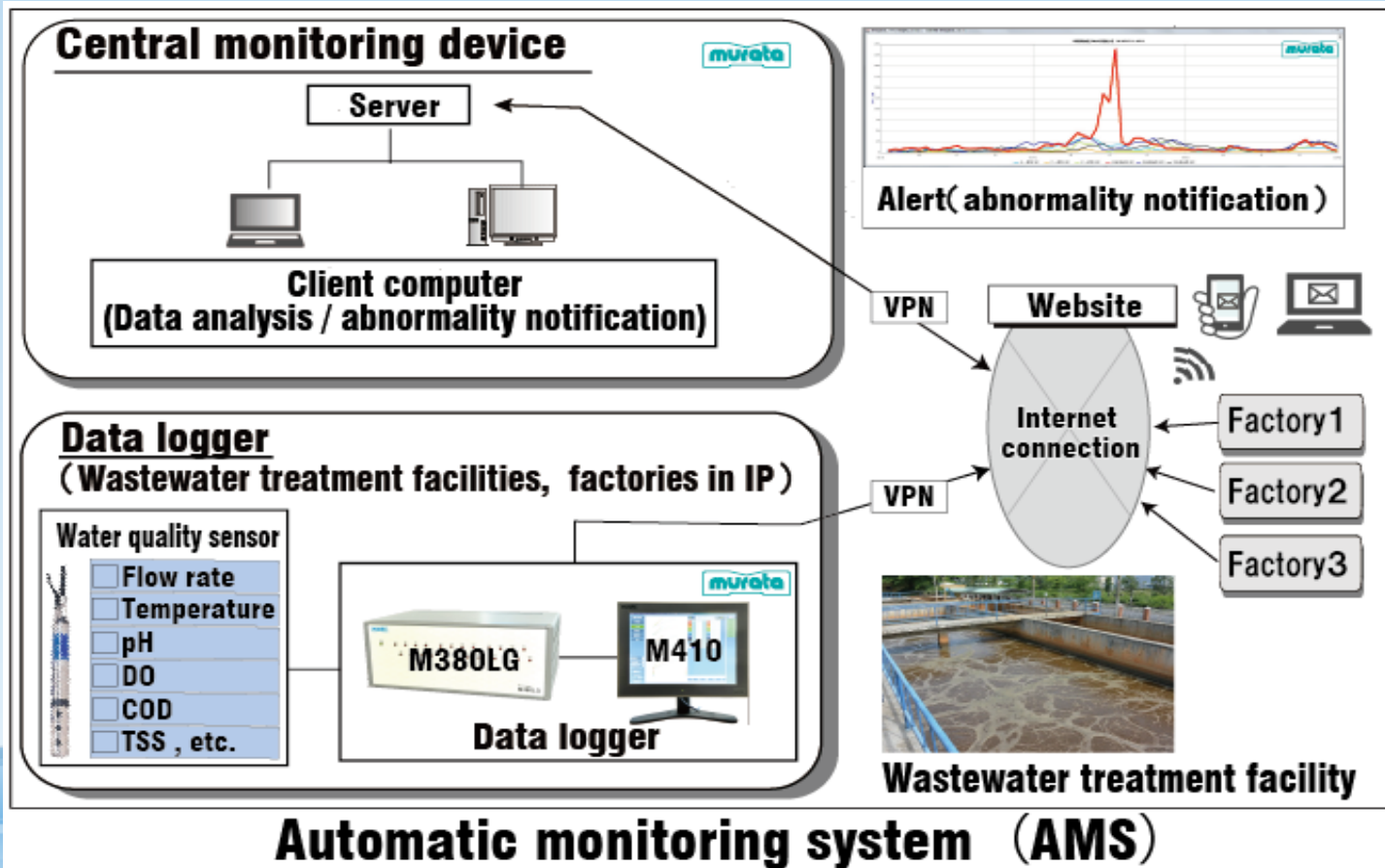


Workshop

➤ Around 2022-2025 : Next JICA Project

SDGs Business Verification Survey with the Private Sector for Da Nang Industrial Wastewater Management Project in Vietnam

The plan is to use AMS to monitor water quality fluctuations in real time at wastewater treatment facilities in industrial parks, and use the data to optimize wastewater treatment and improve water quality to solve development issues.



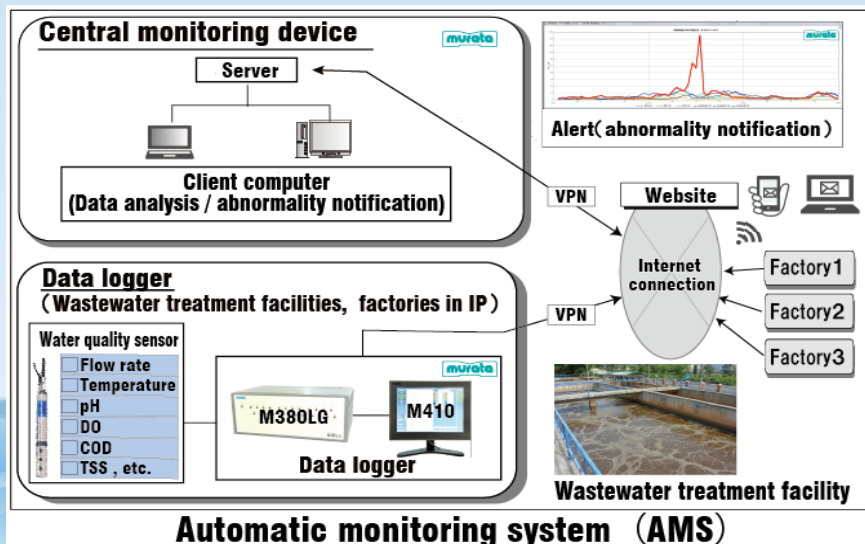
IV. Proposal of wastewater treatment improvement service in industrial park by using "AMS"

Services offered

- Assessment of water quality in wastewater treatment processes.
- Introduction of "AMS".
- Identification of pollution sources and proposal of countermeasures.
- Improvement of wastewater treatment process.

Benefits

- Reduction of wastewater treatment costs.
- Improved water quality.



**Thank you very much for your attention.
Xin cảm ơn.**



**MURATA Keisokuki Service Co.,Ltd
Takuya Yoshimura
E-mail : global-info@murata-s.co.jp**