

Business Solutions

MURATA Keisokuki Service Co., Ltd





I. About "MURATA Keisokuki Service"

- Established
- Number of employees : About 120
- Head office

- : 1972
- - : Yokohama city



> Our Business in Japan

1 Environmental impact assessments services

(surveys, forecasting (Wind power plant, Wind environment, Sun shading, Air quality, Noise, Vibration, Traffic, etc.), Report writing)

② Environmental survey and measurement services

(Air quality, Ground meteorology, High-rise meteorology (GPS sonde/Drone), noise, Vibration, Traffic, Soil, Water quality, Groundwater, Odor, etc.)

3 Scientific analysis services

(PM2.5, Hazardous Air, Water quality (river, sea, lake, groundwater, sewage, Factory effluent, Pharmaceuticals), Heavy metals, Dioxins, Pesticides, VOCs, etc.)

- ④ Maintenance of environmental measurement equipment services (Air and Water quality monitoring station, etc.)
- **5 Development of environment-related systems** (Automatic monitoring system, PM2.5 sampler, etc.)
- 6 Various consulting services (Environmental plan, PM2.5, GIS, Drone, Soil pollution, etc.)

> Our Business in Japan, Scientific analysis



• Dioxins in river water



Medicine contained in river water









Environmental impact assessments



• Noise simulation (Road traffic noise)



Simulation of Wind power plant









Simulation of Wind environment





DRONE service

- > Meteorological Survey
- > Air Pollution Measurement
- > Aerial Photography
- Surface temperature Measurement
- Creating 3D models from terrain data







Aerial Photography





Development 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)





• <u>Automatic monitoring system (AMS)</u>

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)



 PM2.5 consulting service : <u>Providing PM2.5 measurement service</u> <u>and source contribution analysis service</u>

Simple PM2.5 Monitoring Equipment (MCAS-PT)

- PM2.5 Sampler
- PM2.5 Automatic continuous measurement equipment

MURATA provides PM2.5 sampling, component analysis, and source contribution analysis services to support source control measures.





Source contribution analysis



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



2018-2019 : JICA Project (F/S)



2018, 2019, 2021 : Da Nang Urban Development Forum

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

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



Around 2022-2025 : <u>Next JICA Project</u>

YOKOHAMA



Contact information



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