





Business Solutions



murata MURATA Keisokuki Service Co., Ltd









I. About "MURATA Keisokuki Service"

• Established : 1972

Number of employees: About 120

Head office : Yokohama city



Our Business in Japan

- Environmental impact assessments services
 (surveys, forecasting (Wind power plant, Wind environment, Sun shading, Air quality, Noise, Vibration, Traffic, etc.), Report writing)
- 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.)
- (Air and Water quality monitoring station, etc.)
- (Automatic monitoring system, PM2.5 sampler, etc.)
- <u>Various consulting services</u>
 (Environmental plan, PM2.5, GIS, Drone, Soil pollution, etc.)

> Our Business in Japan, Scientific analysis



Dioxins in river water

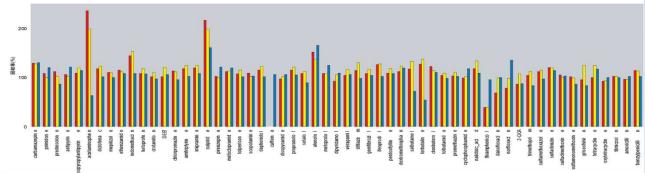






Medicine contained in river water





Sewage, etc.





> Environmental impact assessments

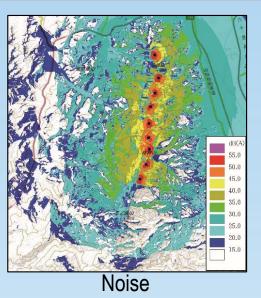


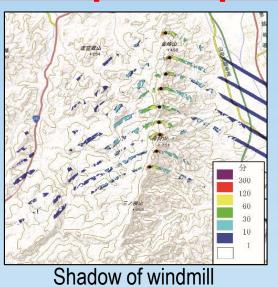
Noise simulation (Road traffic noise)



Simulation of Wind power plant

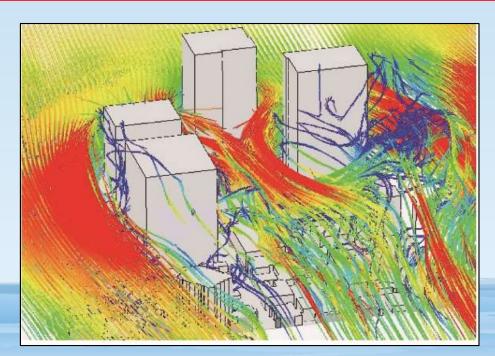








Simulation of Wind environment





DRONE service

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









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)





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)



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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.



Simple PM2.5 Monitoring Equipment (MCAS-PT)



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 : **Next JICA Project**



Contact information



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