Environmental measurements and monitoring

INDUSTRY, ENERGY AND WATER SUPPLY PLANTS, ENVIRONMENTAL RESEARCH

Areas of application

- Ground water monitoring
- Wetland and river discharge measurements
- Lake and sea level monitoring
- Dam monitoring
- Monitoring of weather stations
- Monitoring of the pumps of water supply plants
- Agriculture emissions monitoring
- Monitoring of cyanobacteria in lakes
- Monitoring of air emissions
- Laboratory results collection
- Monitoring of power plant emissions
- Flood monitoring of rivers, water areas and peat wetlands

A versatile platform for collecting measurement results for real-time monitoring of the environment

EMMI is a diverse **environmental monitoring system**. Usable via web browsers, it enables the real-time monitoring of measurement results from multiple separate measurement points. EMMI features advanced API interfaces. This enables data from variety of measurement sensors and loggers to be collected into the system automatically. In EMMI, this data can then be organised according to observation point in such a way that the same system can include hundreds of observation areas and locations. Also attachment files, photos and metadata can be linked to each observation point.

By using the derived result calculation function, **EMMI can be set to perform automatic calculations.** This enables customers to consolidate measurement data from a variety of monitoring sources and to view results calculated using their own formulas. EMMI can display data directly in the user interface by visually impressive graphs and diagrams. The results can be exported out of the system as basic tables and complete official reports.

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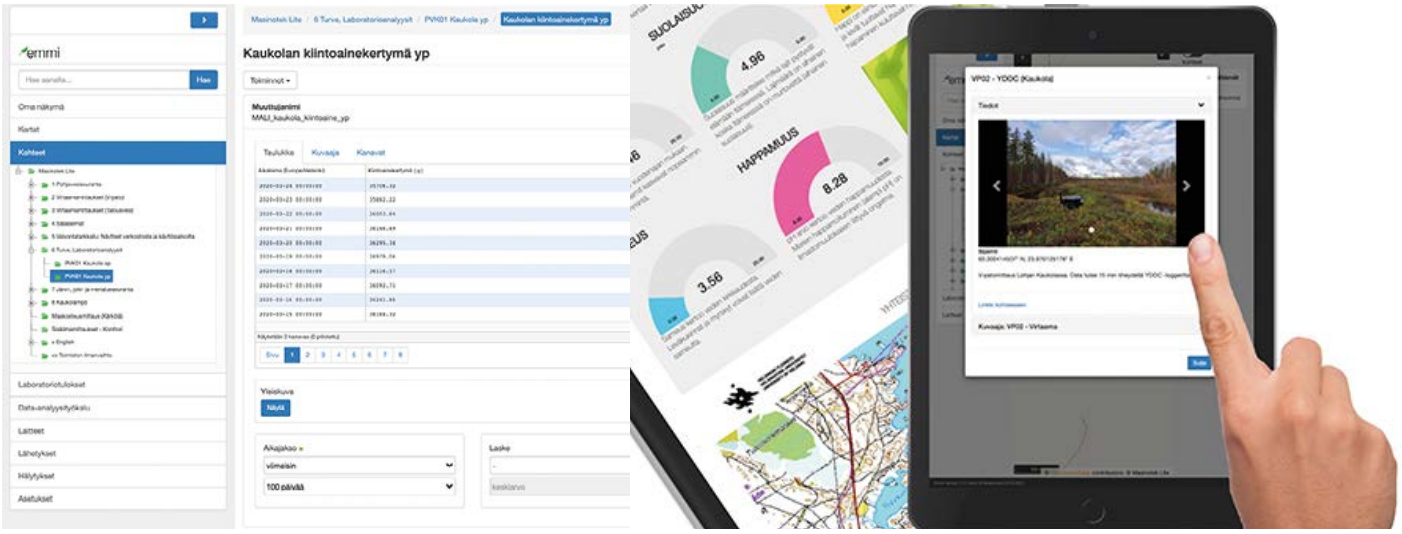
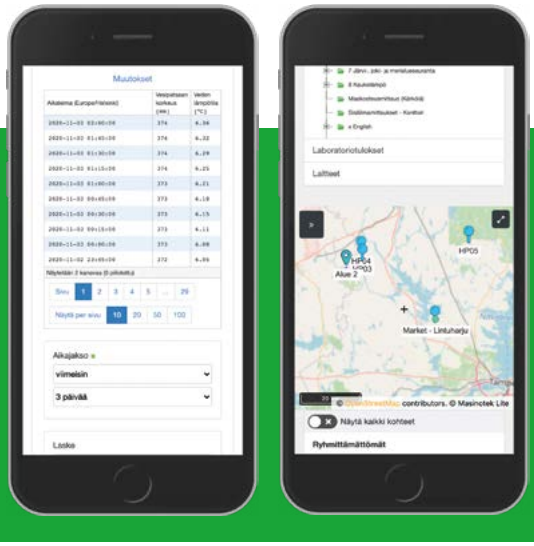


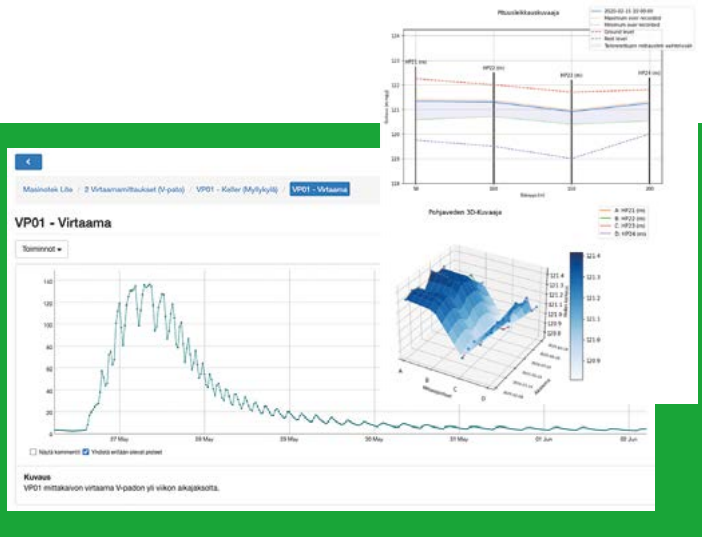
For erroneous measurement results, EMMI boasts an automatic processor that can automatically remove or change measurement results in the desired manner. In addition to this, EMMI's basic features include a revision history, which means that users of the data can distinguish between the original and changed raw data results.

Plenty of interfaces have been implemented into EMMI, and historical measurement results can be imported manually via the user interface and, if necessary, using CSV files. EMMI can be used to automatically export information into external systems and to retrieve data from other systems using advanced API interfaces and transfer files (e.g. CSV and XML files).

EMMI is used by research facilities, universities, water supply plants and energy facilities for diverse and automatic monitoring and long-term storage of measurement data. The system is particularly valued among customers who require the most advanced user interface and database features on the market and a system platform that is not depended on the supplier of the measurement devices.

In addition to the basic features, EMMI can be connected to Masinotek's other Internet based applications such as device maintenance system, mobile reporting system, an automatic alarm system and an extensive map application service.





Masinotek

masinotek.com

Masinotek Oy
Vantaa, Finland

+358 9 348 9489
info@masinotek.com