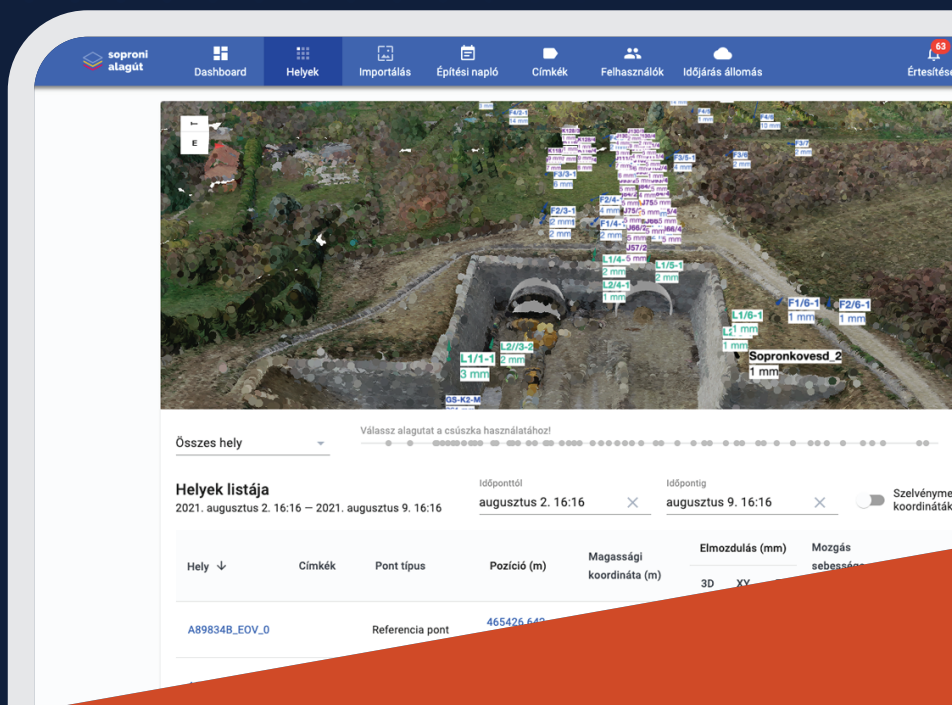


Monitoring Insights

MaptIQ's **SURVIOT** provides smart movement and deformation monitoring solutions for civil engineering projects such as bridge, tunnel and dam constructions, quarries and slope stability inspections.



SURVIOT supports operators and constructors to comply with professional regulations by replacing labour intensive, manual monitoring processes with automated data collection, processing and analysis.

SURVIOT's integrated IOT hardware and software platform consists of the following 4 main building blocks:

Monitoring "PODs"

Wide range of automated sensors developed by the SURVIOT team including, but not limited to PPK GNSS based movement monitoring (SURVIOT GNSS POD) and water level (water column) monitoring by using piezo-electric pressure sensor (SURVIOT Well POD).

Engineering platform

Engineering platform that integrates the data acquisition, i.e. PODs and other third party sensors (e.g. weather stations, geodesic and geotechnical instruments), and the engineering backend, which is a flexible, vendor independent system responsible for data collection, processing and analysis.

Web Interface

Users interact with a web interface through 3D maps, graphs and tables making it easy to view, filter and export the sensor data and the results of the analysis.

The centralised source of information (single source of truth) reduces overhead in communication and ensures that multidisciplinary decisions can be made with more confidence.

Reporting

Periodic, automated and customisable reporting makes it easy to transform raw data into valuable knowledge and intelligence.

Customizable multi-channel notifications (e-mail, SMS, WhatsApp, etc.) support decision making and taking immediate action when and where needed.

The **SURVIOT** platform is constantly evolving by adding new sensors and features. We strive to stay true to our vision to provide a flexible and automated movement and deformation monitoring solution that is easy to use, flexible and extendable.

SURVIOT offers an agile way to deliver information to experts and decision makers.

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