



GPS-based Automatic Measuring and Monitoring System "shamen-net"

Real-time GPS displacement monitoring service

Web-based GPS Automatic Monitoring Service

We monitor displacement of the ground and the structure with a new GPS automatic measurement system.



Hazard

Land Slide

Solution Purpose

Prevention & Mitigation Preparedness

Solution Theme

Risk Assessment Infrastructure Technology Information & Communication Technology

Technology Subject

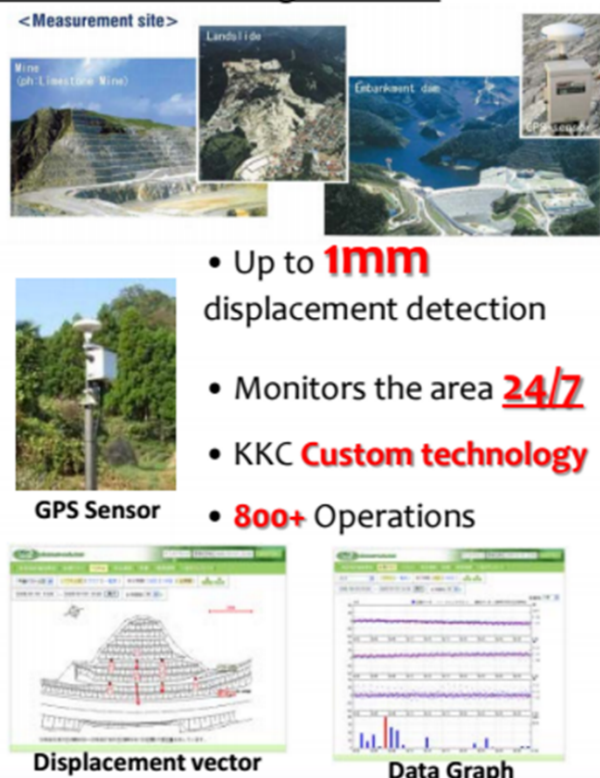
Risk Monitoring Dam & Reservoir Sabo Information Communication

Advantages

Ground displacement measurement with the exclusive, low cost and high quality GPS, and provide precise surveying data over the internet. At the monitoring center this solution can be provided for 24 hours as management assistant services. The measured results are available any time, anywhere, in the real time over the internet. Providing information including rainfall and weather forecast.

Solution Illustrated

Shamen-net : *Real-time GPS displacement monitoring service*



Background

With the growing rate of internet access and the development of the low cost GPS based automatic measuring and monitoring system, it became possible to develop 24 hours automatic monitoring GPS system by solving the problems of slope surveying such as low quality, high cost, wasting time for data reduction, difficulty for data evaluation and maintenance.

By the launching of new quasi-zenith satellites, the quality of GPS monitoring and surveying will be improved, and it is expected that this improvement will be useful for the preventions of landslide disaster and large-scale of construction disaster.

Exposition of the Solution

- Low cost with monthly fixed rate (including GPS equipment and communication fee)
- New analysis technology bringing measurement with high accuracy (approximately 2 mm)
- Management assistant services by dedicated engineers to monitoring for 24 hours
- Useful for early warning and evacuation.

Achievements of Examples

Introduced this solution to over 300 customers by civil engineering and consulting services as monitoring for landslide, highway, steep slope, dam.

Corporate Profile

KOKUSAI KOGYO CO., LTD

Shinjuku Front Tower, 21-1, Kita-Shinjuku 2-chome, Shinjukuku, Tokyo, Japan 169-0074

☎ Tel. : +81-3-6362-5931

✉ E-mail : info_overseas@kk-grp.jp

🌐 Website : <http://www.kkc.co.jp/english/index.html>