Web-based
GPS Automatic Monitoring Service

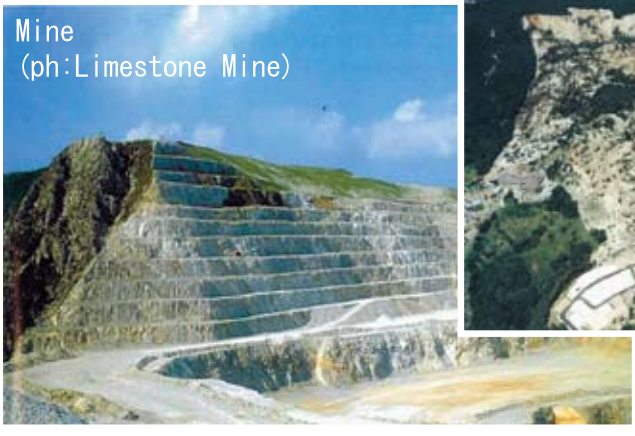
We monitor displacement of the ground and the structure with a new GPS automatic measurement system.

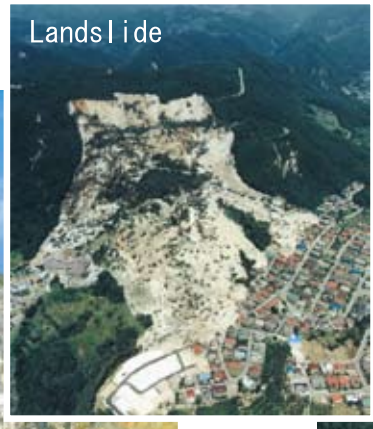
cut-slope (expressway)

The strong points of this new GPS automatic monitor service

- *This GPS automatic monitor service measures the ground and a structures, and that result is provided on the Internet.*
- *This system can measure displacement with high precision (about ± 1mm) to analyze data by the new technique.*
- *This system is the support system of the safety control that an engineer monitors displacement for 24 hours.*

<Measurement site>

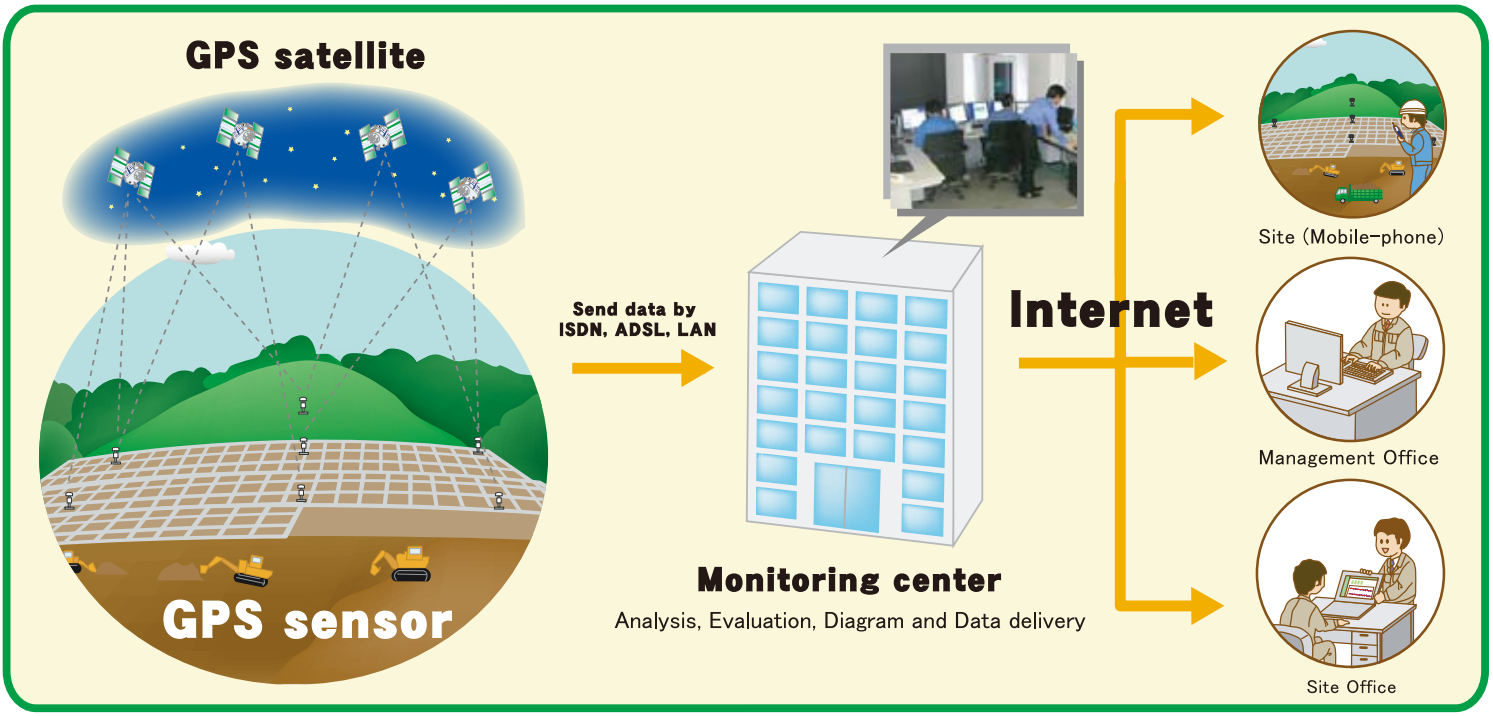

Mine
(ph:Limestone Mine)


Landslide

Embankment dam

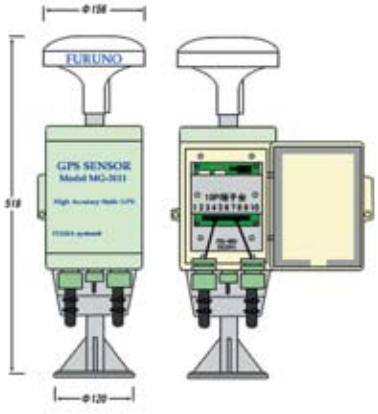
GPS sensor

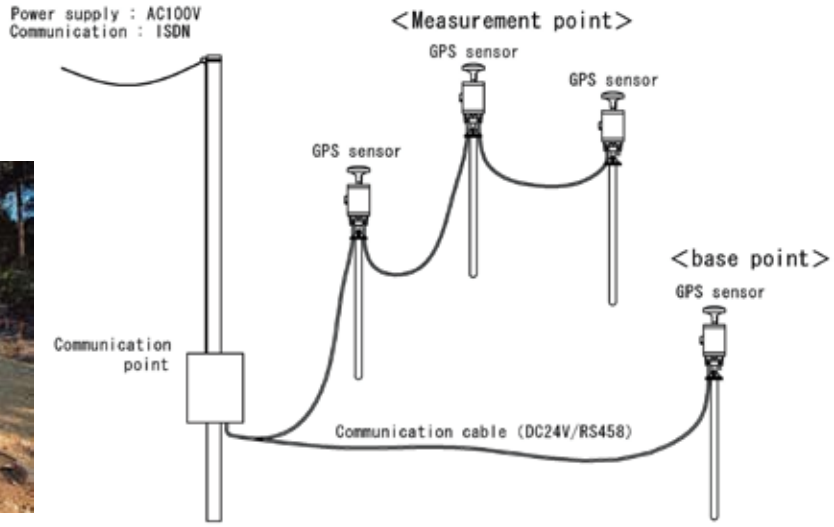
The outline of the GPS automatic monitor system



The outline of the GPS machine

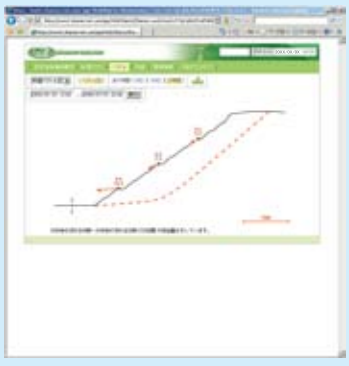
GPS : static positioning , L1-band
Measurement interval : 1 hour
Power supply : AC100V
Communication : ISDN (or ADSL or LAN)





The results are provided on the Internet

Displacement vector (horizontal)


Displacement vector (cross section)

Displacement graph (time series)

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