• • Presentation for the 7th EGM

Theme: Disaster Risk Reduction

株式会社E-SYSTEM

Company Profile

N a m e E-SYSTEM

Establish October 1996

H Q Hakataku-, Fukuoka City

Capital 0.18mil yen (平成27年11月現在)

Employe 52名 (平成27年11月現在)

President Hisanobu Fujimoto

Office HQ(Fukuoka). Hiroshima, Analysis Center, Okinawa

Business Departments

Disaster Reduction Survey, analysis and inspections of slopes, topography, mudslides,

GIS NBM underground dam sludge survey

Environment Business Planning and design of waste and incineration facilities, EIA assessments, alternative energy

facilities,

Analysis Div.

Environmental analysis, work environment analysis, asbestos analysis

Measurement Div.

Monitoring, sales of various water level measures, weather measures

Construction

Removal of dioxide, removal of asbestos



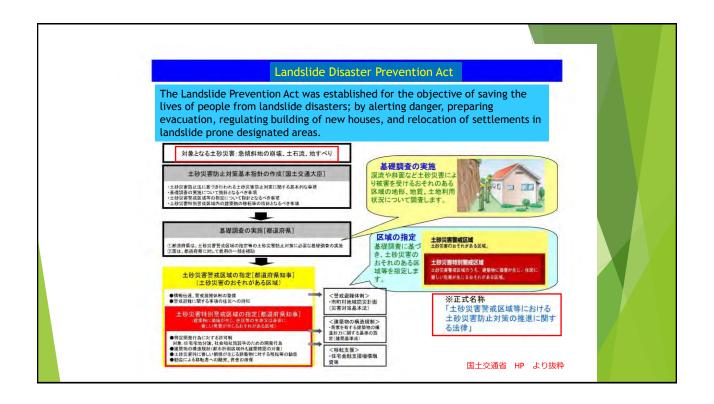
- 1. Basic surveys and studies based on Landslide Disaster Prevention Act
- 2. Expendable water level indicators functional in severe environment conditions
- 3. Image Transfer Systems

1. Basic surveys and studies based on Landslide Disaster Prevention Act

Destruction of steep slopes

Mud slides

Land slides





For Collapsing Steel Slopes

(From Fukuoka Prefecture government manual)

1. Pre Survey for designation of alert zone

地形図データと既存資料を利用して、調査対象となる急傾斜地の範囲を把握するとともに、調査に必要な断面図作成と断面図による下端・上端の設定(現地調査後の修正設定を含む)を行う。

Check loction of designated area, review of data/information

Sruvey on land shape

Topography survey

Survey on constructed materials

Study on past disaster records

height and length of landslides, estimation of debri volume

2. Site Survey for designation of alert zones

事前調査で把握した急傾斜地の地形条件などを現地で確認と調査を実施するとともに、斜面の地質状況、対策施設状況等を把握する

Check horizontal length and bottom location

Site topography survey

Survey on constructed materials

Survey on state of damage/slides

site survey on land sahpe with risk of landslides

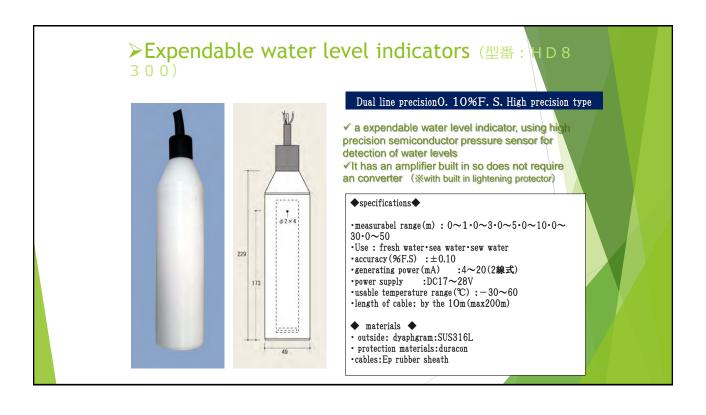
3. Designation of Disaster Alert Zone

事前調査結果と現地調査結果により、危害のおそれのある土地などの範囲設定を行う。

4. Survey on Land Use

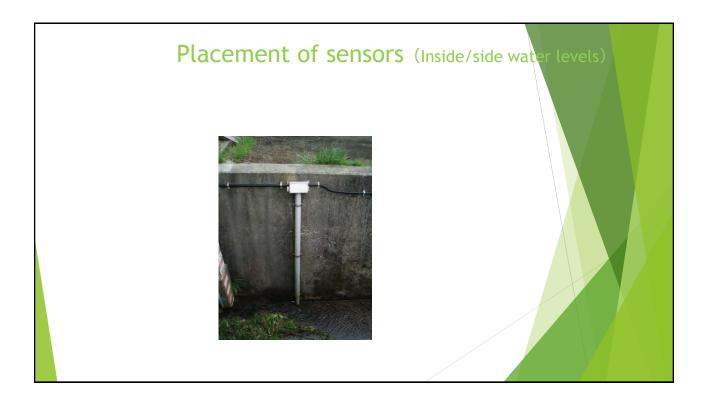
事前調査や現地調査、区域設定結果等で把握した事項をとりまとめ、設定区域等に関する土地利用状況等を調査する。

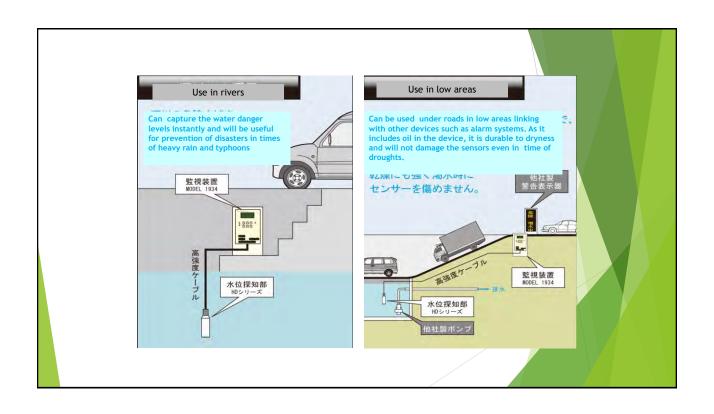
2. Expendable water level indicators functional in sever environment condition







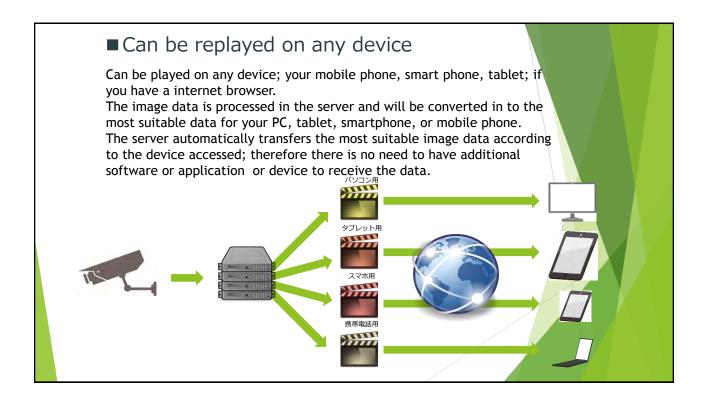




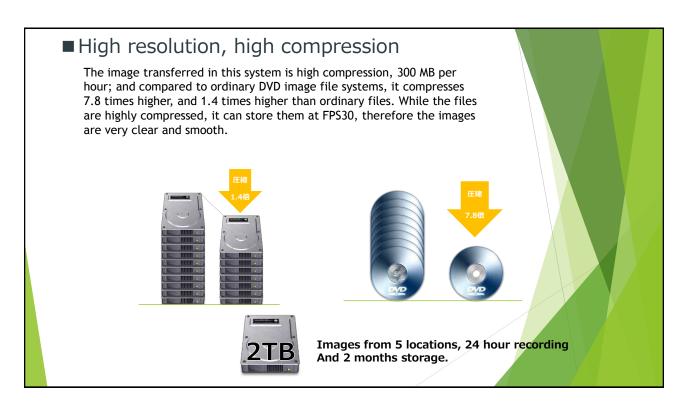


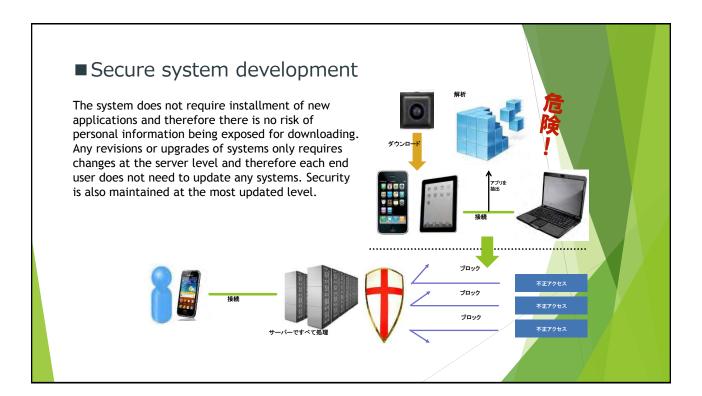
Functions and Special Features

- > Possible to be played on any terminal
- > Access and image projection is easy
- > High resolution, high compression
- > Secure system development









■ Proposed use; Live image transfer using mobile terminal

A 'mobile live broadcast of image' is possible by using mobile systems of battery and cigarette outlets in automobiles.

For videotaping of locations without permanent cameras or if it becomes unusable due to disasters, such mobile systems can be utilized and any live and update image of the disaster location can be transferred live.

While this is a simplified system, it still uses the same high resolution, high compression data transfer and is able to maintain the same quality of images. This system can be used anywhere a mobile phone service area.



