

TELENET

Hazard Pro

Detects Flame, Earthquake, Water hazards* to help protect lives and ensure business continuity



HAZARD PRO

Hazard

Earthquake

Solution Purpose

Prevention & Mitigation Preparedness

Solution Theme

Risk Assessment Information & Communication Technology

Technology Subject

Risk Monitoring Information Gathering

Advantages

HAZARD PRO – Advanced Earthquake Early Warning System

HAZARD PRO is an advanced earthquake early warning system developed by Telenet Corporation, Japan, designed to protect lives and minimize damage from earthquakes.

The system combines earthquake early warning information from the Japan Meteorological Agency (JMA) with a built-in seismometer and network-based seismic detection technology, enabling rapid and reliable alerts, even for earthquakes occurring directly beneath the installation site.

HAZARD PRO provides advance warnings of expected seismic intensity and estimated time before strong shaking arrives, allowing people to take immediate protective action.

It can also automatically activate building safety systems, including public address systems, elevators, automatic doors, and factory equipment, to reduce risks and improve emergency response.

Ideal for factories, offices, hospitals, schools, and commercial facilities, HAZARD PRO helps organizations enhance workplace safety, strengthen business continuity planning (BCP), and improve earthquake preparedness.

Solution Illustrated



HAZARD PRO

Background

- **After Hazard Pro warning;**

- Earthquake
- Flames
- Etc.



Earthquake



Large Fire

Needs for Communication

Exposition of the Solution

Core Mission of Hazard Pro

Detecting threats before they escalate to minimize damage.

1) Fire Prevention:

Detects flames instantly to prevent fire before it spreads.

2) Earthquake Early Warning:

Provides real-time countdown alerts before the shaking begins.

3) Flood Monitoring*:

Real-time water level tracking to alert when critical levels are reached.

But Hazard Pro doesn't just alert, it goes beyond ...

it can take action automatically:

Instant Notification: Automated calls and emails to 10 designated personnel. (scalable by option)

Emergency Broadcasting: Immediate on-site voice announcements.

Control Elevator: Automatic grounding and door release to prevent entrapment.

Shutdown Production Line: Instant machinery halt to protect assets.



Ensuring Life Safety, Asset Protection, and Business Continuity.

Achievements of Examples

HAZARD PRO – Proven Track Record Across Diverse Industries

Over 3,000 installations across Japan

HAZARD PRO, developed by Telenet Corporation, has been widely adopted by government agencies, private companies, educational institutions, and other organizations across Japan. With over 3,000 installations, the system helps protect human lives, reduce earthquake-related risks, and strengthen business continuity planning (BCP).

Major Industries and Installation Examples

1. Manufacturing and Industrial Facilities

Toyota Industries Corporation has integrated HAZARD PRO with emergency broadcasting systems, automatic doors, and elevators to improve employee safety and facilitate evacuation.

Saint-Gobain Japan and MAG-ISOVER have also adopted the system to protect employees and visitors at offices and manufacturing facilities.

2. Chemical, Pharmaceutical, and Energy Industries

Eisai Co., Ltd., a major pharmaceutical company, has installed HAZARD PRO as part of its workplace safety measures.

Oita Liquefied Gas Joint Stockpiling Co., Ltd. uses the system with existing broadcasting equipment to provide early warnings to personnel working at LPG storage and shipping facilities, supporting emergency shutdown and evacuation procedures.

3. Healthcare and Medical Facilities

Iida Municipal Hospital has implemented HAZARD PRO with different warning thresholds for operating rooms and other hospital areas, enabling appropriate responses according to the expected earthquake intensity.

4. Universities, Schools, and Childcare Facilities

Meiji University has deployed HAZARD PRO across five campuses to protect students, faculty, and staff.

Akita International University utilizes English-language earthquake announcements to support international students and faculty members.

The system has also been adopted by high schools, kindergartens, and nursery schools to enhance earthquake preparedness.

5. Government and Public Infrastructure

Iwata City Government has installed HAZARD PRO at tsunami evacuation towers to support the securing of evacuation routes.

The Kochi District Public Prosecutors Office has integrated the system with automatic door controls to allow local residents to access a designated tsunami evacuation building during emergencies.

6. Commercial Buildings, Real Estate, and Residential Facilities

Yasuda Real Estate has integrated HAZARD PRO with building announcement systems and elevator controls to improve tenant safety.

Residential complexes, including Rokko Island City East Court, have adopted earthquake warnings through intercom systems and elevator emergency controls.

7. Agriculture, Entertainment, and Other Industries

Ureshino Agri uses HAZARD PRO to broadcast earthquake warnings throughout its greenhouse facilities, protecting agricultural workers.

Bambie Co., Ltd., an amusement facility operator, uses automated in-store announcements to protect customers and employees.

Supporting Safer Communities and Business Continuity

These diverse installations demonstrate the flexibility of HAZARD PRO across different industries and facility types. By integrating early earthquake warnings with existing communication and building control systems, HAZARD PRO enables organizations to take prompt protective action and improve overall disaster preparedness.

Corporate Profile

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