



# Introduction Of Seismometer

The 3<sup>rd</sup> Japan-India Workshop on Disaster Risk Reduction 2019

IMV Corporation  
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18 March 2019



# Company Profile

**Company Name**

**IMV CORPORATION**

**Establishment**

**April 17, 1957**

**Employee**

**362 (Sep. 2018)**

**Main Business**

- **Vibration Testing System**
- **Vibration Measuring System**
- **Test and Solution Service**





# IMV Global Network

## Osaka



- Head Office
- Osaka Sales Office
- Osaka Test Laboratory
- Engineering Division

## Germany



IMV EUROPE LIMITED  
German Sales Office

## Thailand



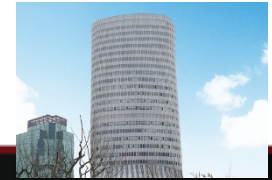
IMV (THAILAND) CO., LTD.

## Vietnam



IMV TECHNO VIETNAM  
COMPANY LIMITED

## China



IMV CORPORATION  
Shanghai Representative Office

## Nagoya



- Nagoya Sales Office
- Nagoya Test Laboratory

## Tokyo



- Tokyo Sales Office
- Tokyo Engineering Service

## U.K.



IMV EUROPE LIMITED



IMV EUROPE LIMITED  
European Manufacturing Centre



1G DYNAMICS LIMITED

## U.S.A.



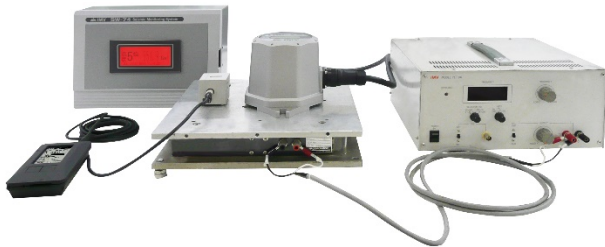
IMV America, Inc.



# Product



**TM Series**  
Seismic Monitoring System



**PET Series**  
Seismometer inspection System  
Maintenance usage

## High reliability and support

- Applied to CE marking (EMC)
- IP67 (Sensor)
- Explosion proof model
- Detect 0 intensity
- Sensor inspection support
- Force Balance Acc. and MEMS sensor



1

Control of Emergency Shutdown Valve

2

Protection of Equipment and machine

3

Secure Safety

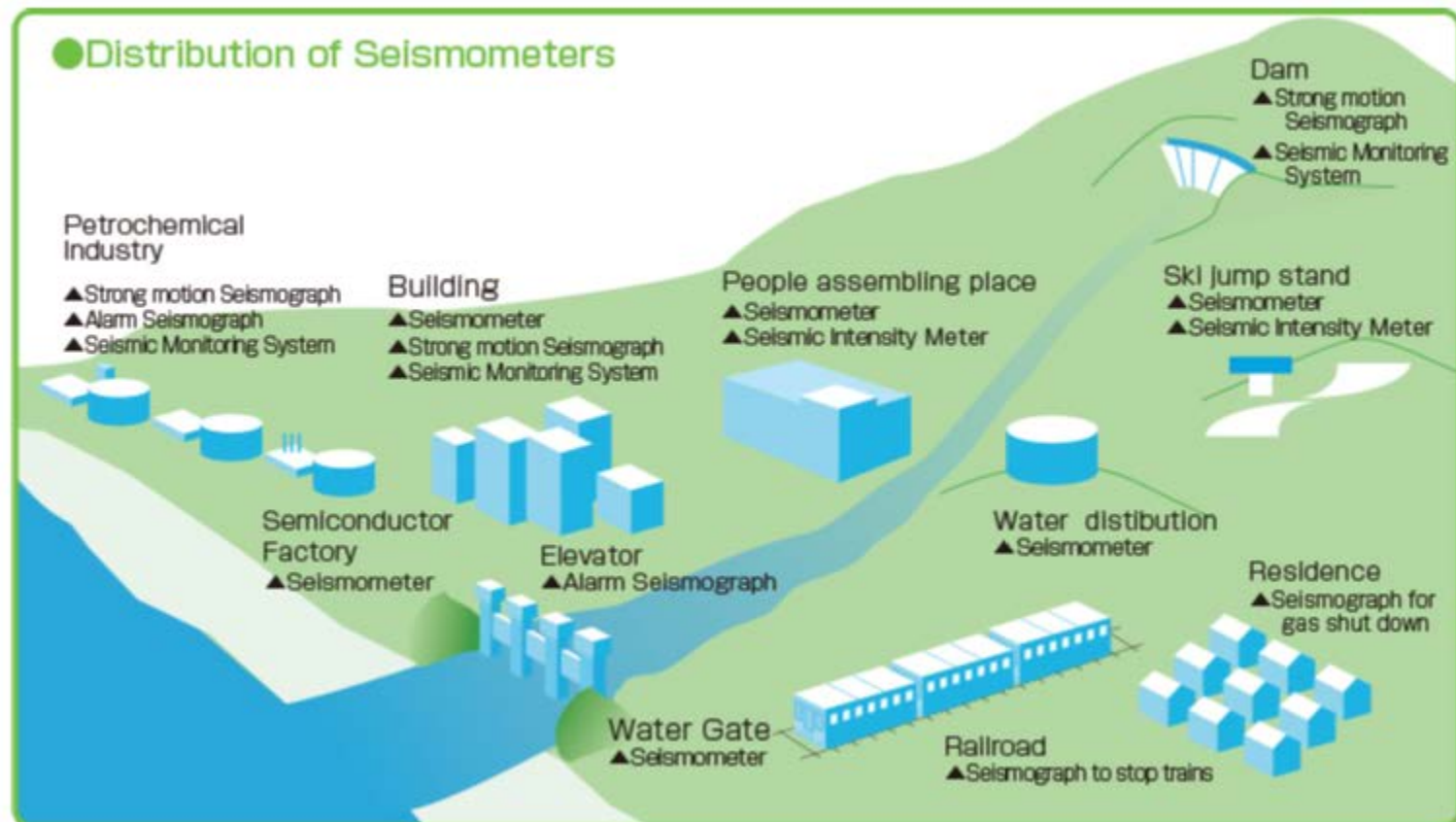
4

Waveform Record



# Seismometer Location

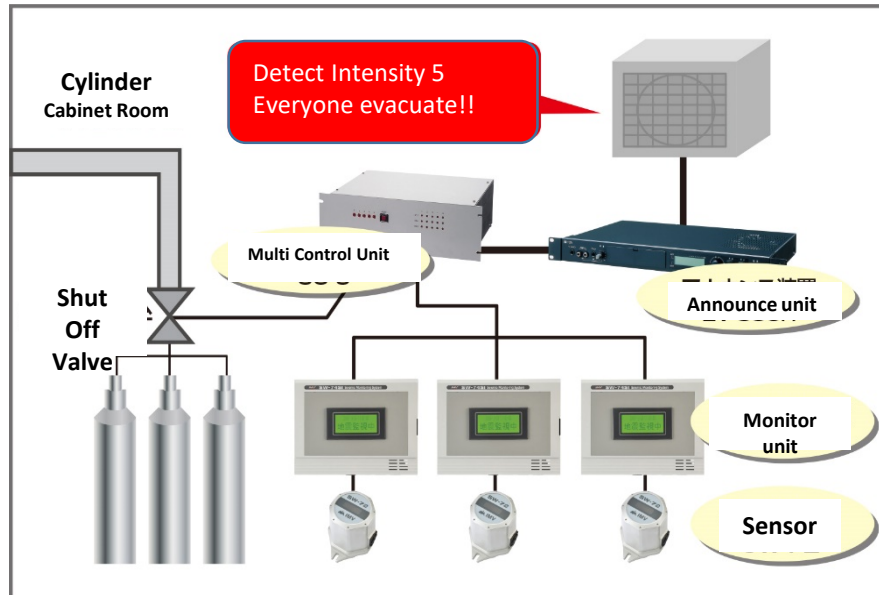
Seismometers are installed in the various places.





## Case 1 Semiconductor and LCD panel factory in Japan and Taiwan

Role No.①、②、③



Earthquake Control System



## Major Customers

- TSMC
- UMC
- INNOLUX
- AUO



Seismometer Monitor Change



## Case 2 Water Gate in Japan

**Role No.②**

**Before**



**Tsunami Influence**



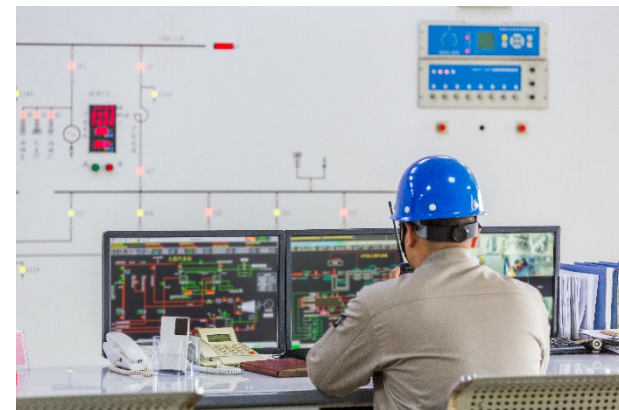
**20min to shut down the gate  
Manual**

**Present**



**Here**

**Installed Seismometer**

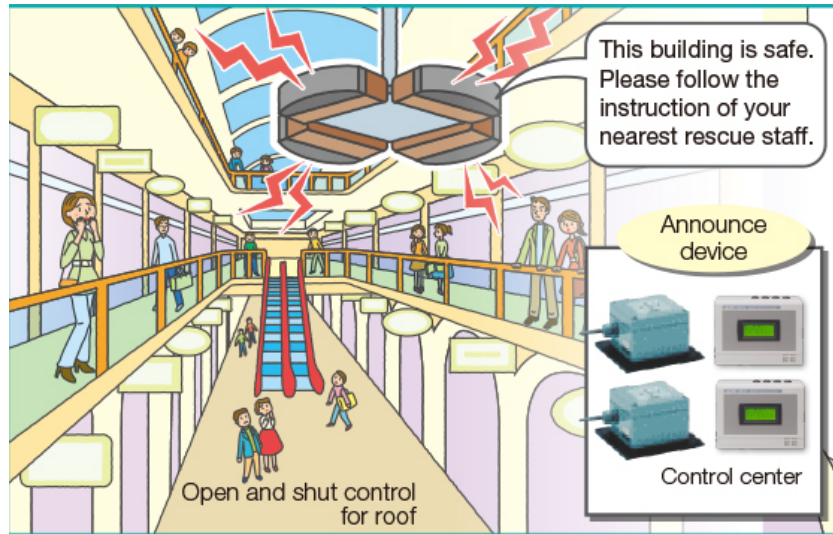


**5min to shut down the gate  
Automate**

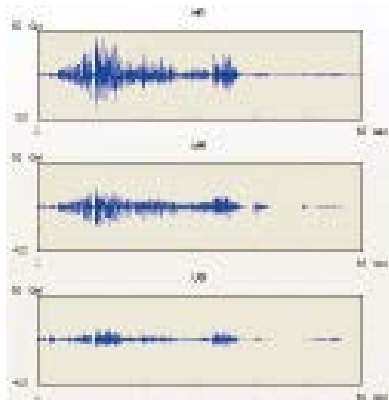


## Case 3 Building in Philippines

Role No.③、④



Evacuation warning



地震計用表示記録装置 TN-0013 2016/04/05 16:21

履歴表示 全地震計+ 詳細表示 履歴削除 戻る

| 地震計 | 地震発生時刻                | 震度階 | 加速度(Gal) | SI値(Kine) |
|-----|-----------------------|-----|----------|-----------|
| 1   | 2016/04/05 16:20:14.4 | 4   | 49.3     | 11.7      |
| 2   | 2016/04/05 16:20:14.4 | 4   | 49.2     | 11.7      |
| 3   | 2016/04/05 16:20:14.4 | 4   | 49.3     | 11.7      |
| 4   |                       |     |          |           |
| 5   |                       |     |          |           |
| 6   |                       |     |          |           |
| 7   |                       |     |          |           |

Wave record and intensity



Building Picture: Refer to Infinity One web  
<https://www.imvphils.com/>

Major Installed Place

# ***SECURE THE FUTURE***

## Thank you

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