

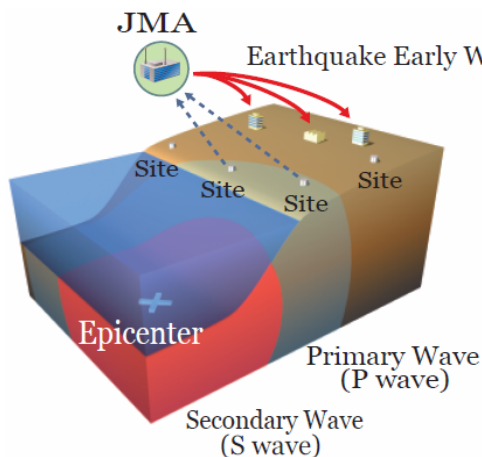
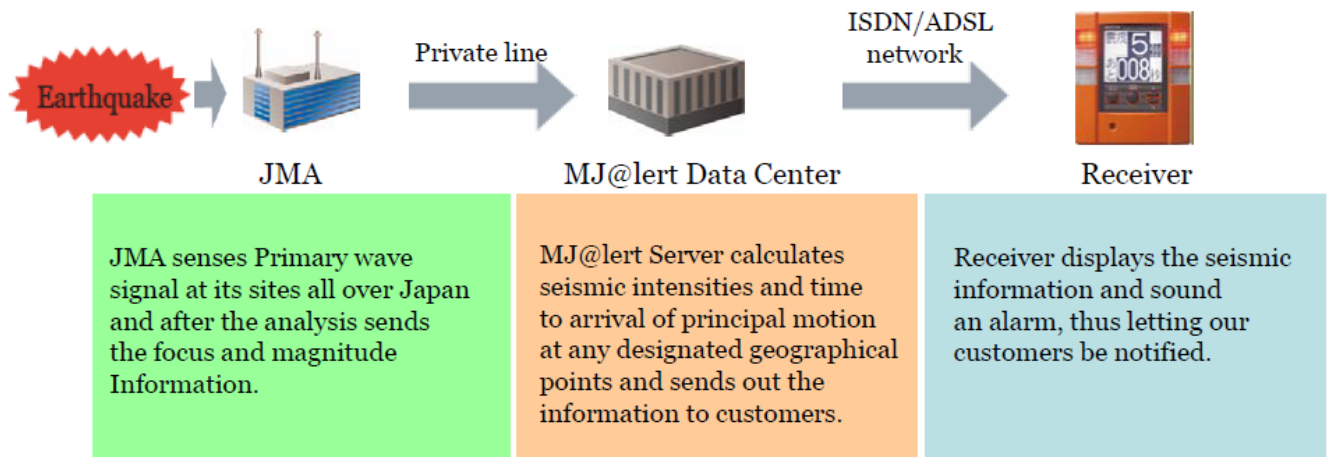
MJ@lert

Earthquake Early Warning for Advanced Users

 **MITSUBISHI SPACE SOFTWARE CO., LTD.**

Japan is known as one of the countries having frequent earthquakes. When an earthquake takes place, damages caused by it might be mitigated if prompt provisions were taken by having people in the affected area informed before the principal motion arrived.

MJ@lert is our internet service to distribute through networks to our customers the advance announcement of seismic intensities and expected arrival time of principal motion at any designated geographical points based on the Earthquake Early Warning by Japan Meteorological Agency (JMA). The Earthquake Early Warning is aimed at mitigating earthquake-related damages by allowing countermeasures such as promptly slowing down trains, controlling elevators to avoid danger and enabling people to quickly protect themselves in various environments and to support corporate business continuation plans.



P wave travels at the velocity of 5~7km/second faster than S wave which, traveling at 3~4km/second, brings principal seismic motion. Once earthquake occurs all around Japan, wherever it might be, one or more of distributed JMA's seismometers closest to the epicenter detects the P wave. JMA sends out the Earthquake Early Warning promptly right after those signals are analyzed to be an earthquake.

MJ@lert Receiver FTE-MJ



Our offered services

◆ Easy and one stop application

Our agent takes care of all the actions needed to receive MJ@lert information such as consultation, registration, providing communication line and setting up the equipment. Our agents service engineers support our customers towards the completion of the system set up.

◆ Information distribution service

We distribute through MJ@lert Data Center to our customers the advance announcement of seismic intensities and expected time to arrival of principal motion at any registered address based on the Earthquake Early Warning once an earthquake takes place.

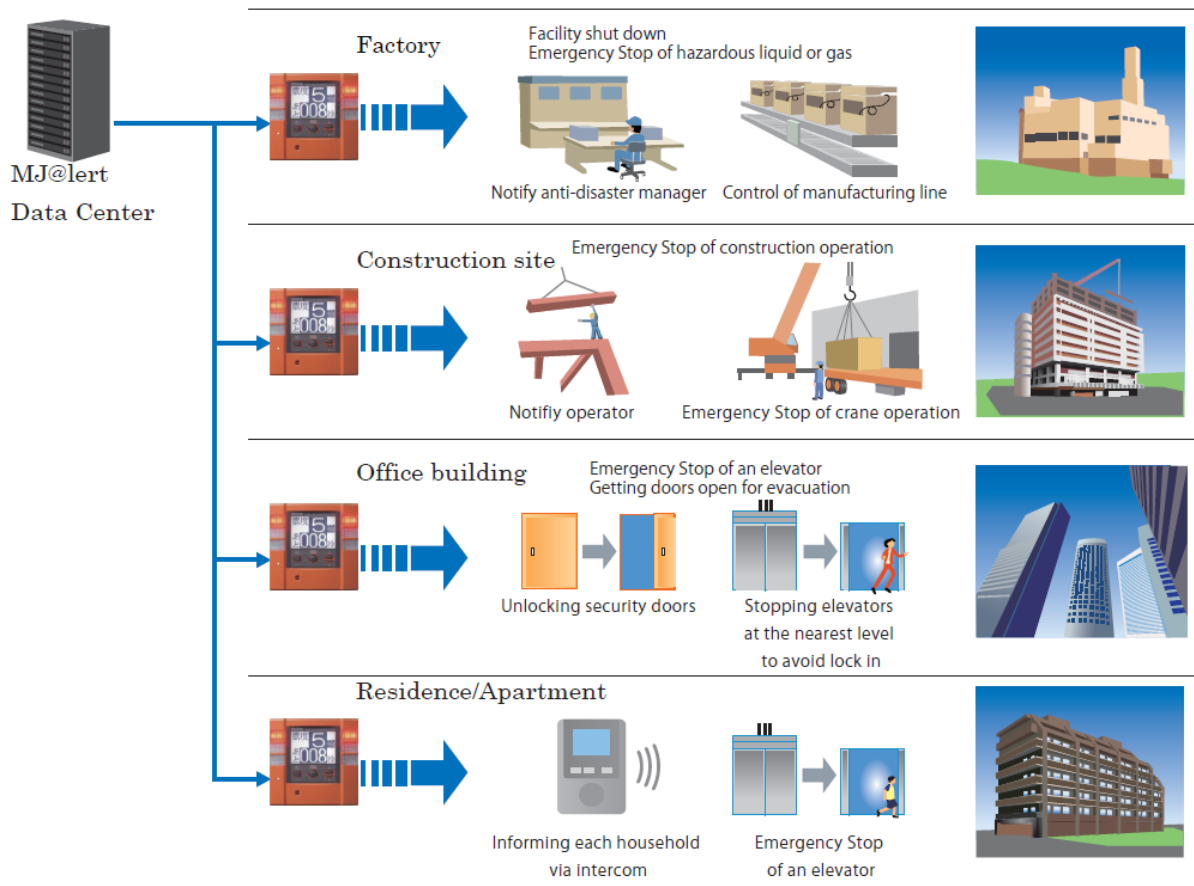
◆ Support service after installation of the equipment

MJ@lert Data Center monitors all the receivers at our customers' site for their proper operation. If something irregular were monitored it sends an e-mail to corresponding customer describing the anomaly.

◆ Rearrangement of the settings at MJ@lert user service site

At this site, customers are welcome to, after log-in with each account number and password, schedule events such as evacuation drill agenda or rearrange the customers setting values. Latest earthquake information around our country can also be obtained at this site. Such information is updated according to JMA's announcement.

Application



Limitations of the Earthquake Early Warning

False Earthquake Early Warnings may occur as a result of noise from accidents, lightning or device failure. In areas that are close to the focus of the earthquake, the warning may not be transmitted before strong tremors hit.

Advanced users are defined by JMA as the users who understand the limitations of the Earthquake Early Warning and accept them in the contract with the Warning distributor.