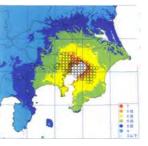


Exposure of Tokyo Metropolitan			
	Population	Wooden Houses	Buildings
Tokyo	12,700,000	1,800,000	1,900,000
Kanagawa	8,900,000	1,600,000	880,000
Saitama	7,100,000	1,600,000	510,000
Chiba	6,100,000	1,400,000	400,000
Total	34,800,000	6,400,000	3,700,000
			が出た

Loss Estimation for Tokyo Earthquake by Central Disaster Prevention Council (2005)

Direct Loss \$560billion Buildings \$470billion, Infrastructures \$90billion Indirect Loss \$380billion



Decrease in Products \$330billion

Effects of Interruption of Transportation \$50billion

Total Loss \$940billion

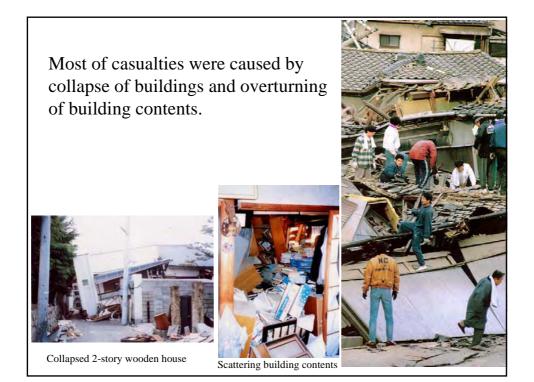
Lessons from the 1995 Kobe earthquake Dead 6,400 Injured 40,000 Damaged Buildings 250,000 Direct Monetary Loss \$100billons

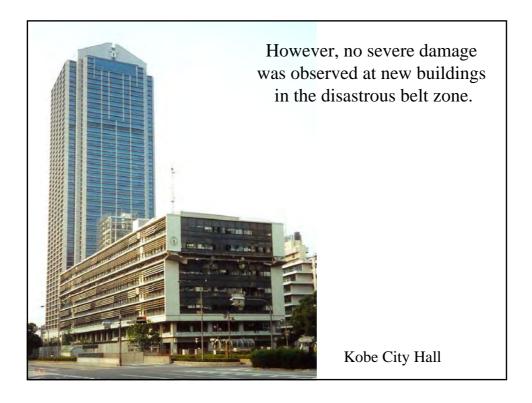


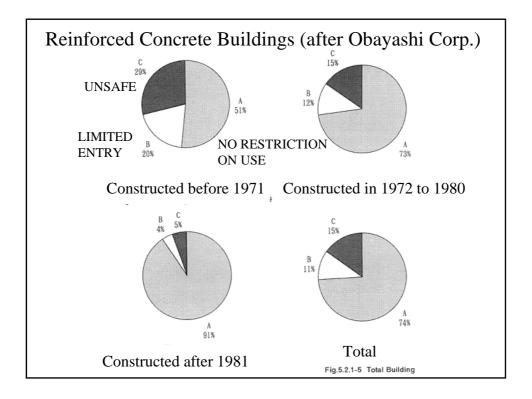


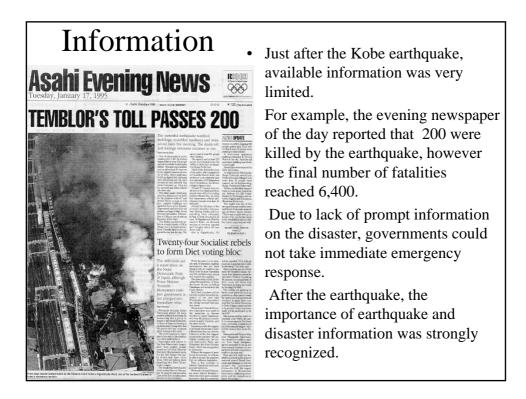
Catastrophic damage was observed in the disastrous belt zone along the fault.

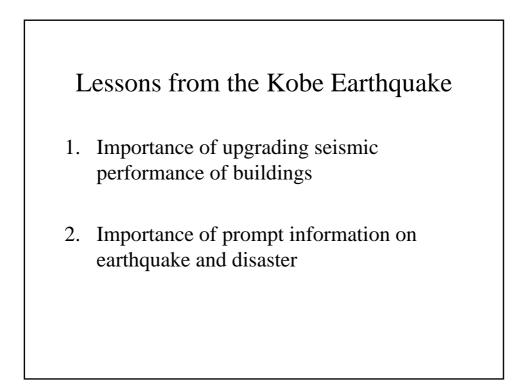


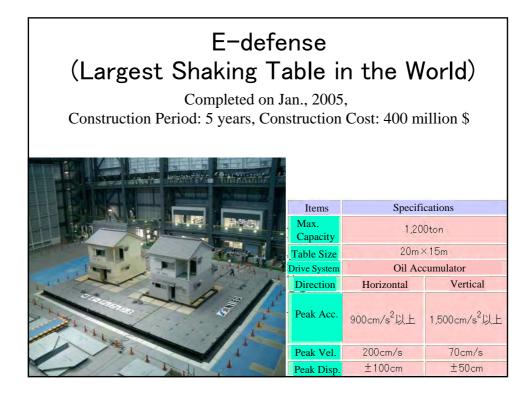


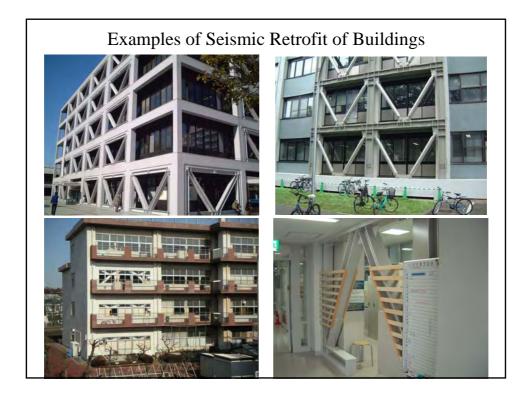


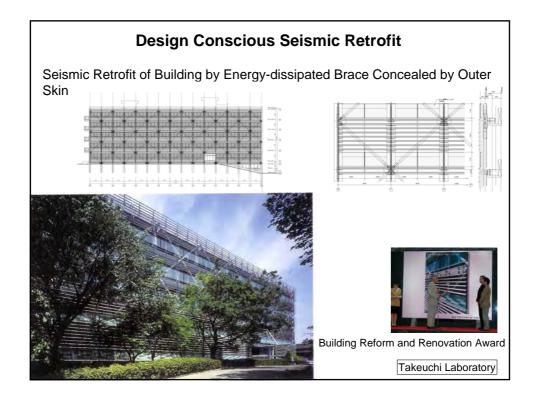


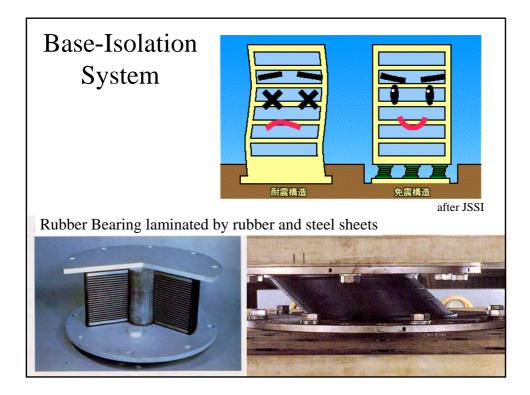


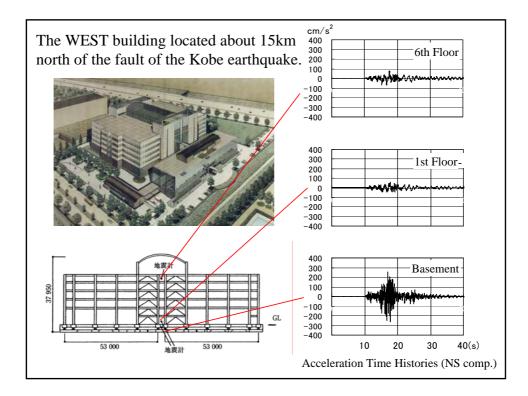


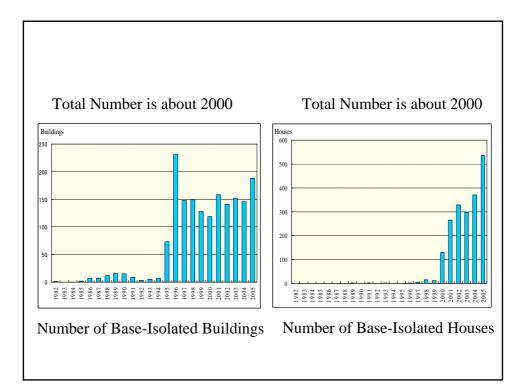


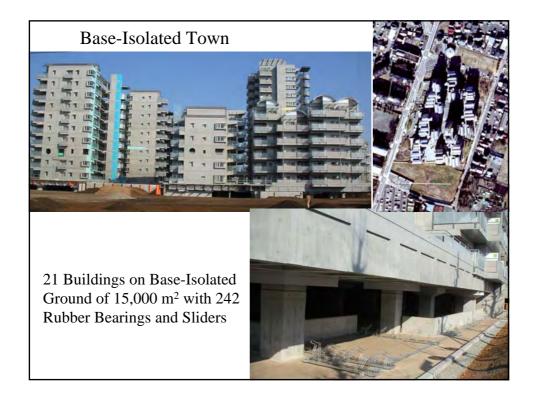




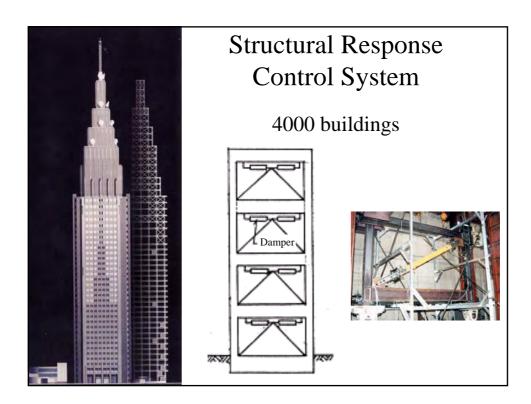


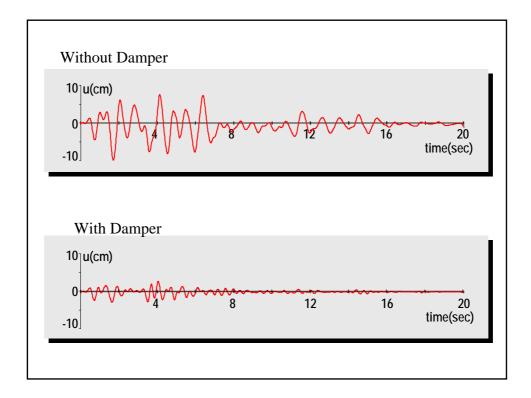


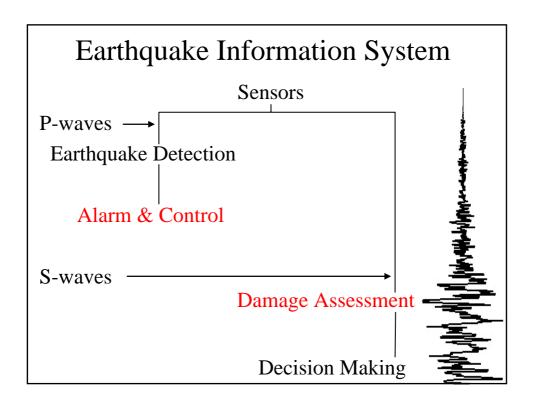












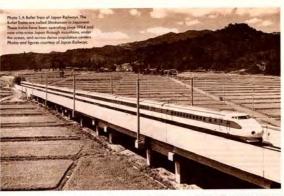
Pioneer of Earthquake Alarm System UrEDAS

(Urgent Earthquake Detection and Alarm System)

The project was started in 1975.

The prototype was developed in 1983.

The operation for the Bullet Train was started in 1990.

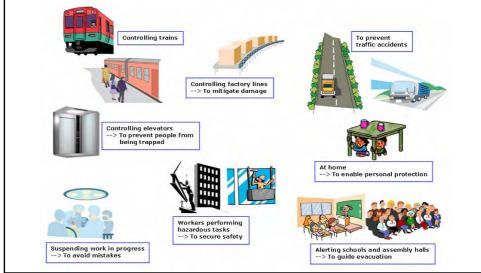


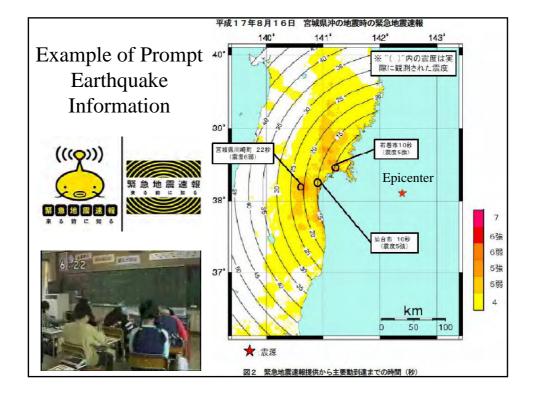
JAPAN'S EARTHQUAKE WARNING SYSTEM

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EARTHQUAKE EARLY WARNING SYSTEM BY JMA The Earthquake Early Warning system provides advance announcement of the estimated seismic intensities and expected arrival time of principal motion. These estimations are based on prompt analysis of the focus and magnitude of the earthquake using wave form data observed by seismographs near the epicenter.

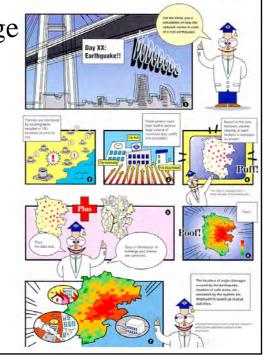
The Earthquake Early Warning is aimed at mitigating earthquake-related damage by allowing countermeasures such as promptly slowing down trains, controlling elevators to avoid danger and enabling people to quickly protect themselves in various environments such as factories, offices, houses and near cliffs.

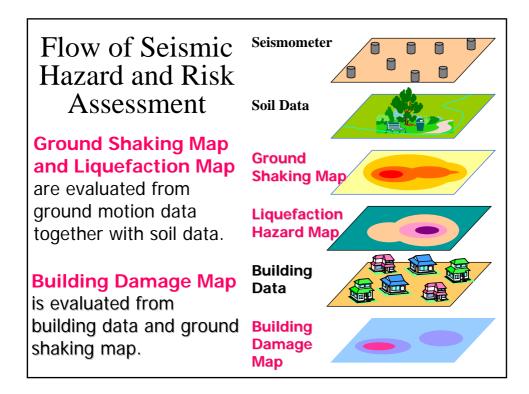




Real-Time Damage Assessment

Based on monitoring of ground shaking, locations of damage areas and safer areas are assessed in real-time for speedy and adequate emergency response activities.





Disaster Information System by Central Government

In 1996, the National Land Agency was developed the nationwide damage assessment system based on the ground motion data from the J.M.A.

