

## PROJECT PROFILE



### Seismic Monitoring Systems for Buildings

**Client:**

*Various*

Engineered Monitoring Solutions has provided services for the implementation of seismic monitoring systems on many buildings throughout the Portland, Oregon and Vancouver, Washington region. Our services have included:

- Assisting the owner, architect, and structural engineer in determining the most appropriate installation locations,
- Supplying and commissioning of earthquake recording instrumentation that meets Uniform Building Code (UBC) requirements,
- Installation of the seismic monitoring equipment,
- Training the owner's representative on the use and maintenance of the system.

The seismic monitoring systems are required by the UBC Structural Forces code for multiple-story buildings and are valuable to building owners in determining how their building performed during a strong seismic event.



Data indicating the actual motions experienced by the building during the earthquake shaking can be downloaded and compared to the design thresholds for the building. The information is used by structural engineers in assessing potential damage to the structure and provides valuable assistance in determining if the building can be safely re-occupied.

