

2004 NATIONAL EARTHQUAKE CONFERENCE

Awards of Excellence

Award Category: Mitigation

Program Name: ISO-Base Seismic Isolation Platform

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Businesses of all sizes have become reliant on computing infrastructure and computing networks for the conduct of daily business. Building contents, especially computing equipment, can be destroyed by seismic forces rendering businesses unable to function as well as posing a threat to the safety of employees.

ISO-Base platforms protect mainframe processors, optical drives, LAN racks, instrument tables, and other sensitive equipment from seismic shock and vibration. At the heart of the system is our patented Ball-N-Cone seismic isolation bearing, consisting of two load plates with matching conical recesses sandwiched over a steel ball bearing. Using gravity as a restoring force, the bearing re-centers itself as shaking intensity decreases. This unique design allows the platform to roll smoothly and evenly while accepting input ground accelerations from any direction.