

DIS Modular Isolation System

Protection for Modular Data Centers from Seismic Events and Downtime.



Modular Data Center in Costa Rica. It performed exceptionally well in a 2012 magnitude 7.6 earthquake.

Why Use A Modular Isolation System?

Modular data centers are a key component for business operations in today's growing data industry. DIS' Modular Isolation System (MIS) provides protection against server downtime and equipment damage from an earthquake.

Installing backup power and having mirrored storage are common practices for protecting data centers and essential equipment. However, the missing piece of this risk management pie has been the protection from seismic events. This can be provided with a DIS' Modular Isolation System.

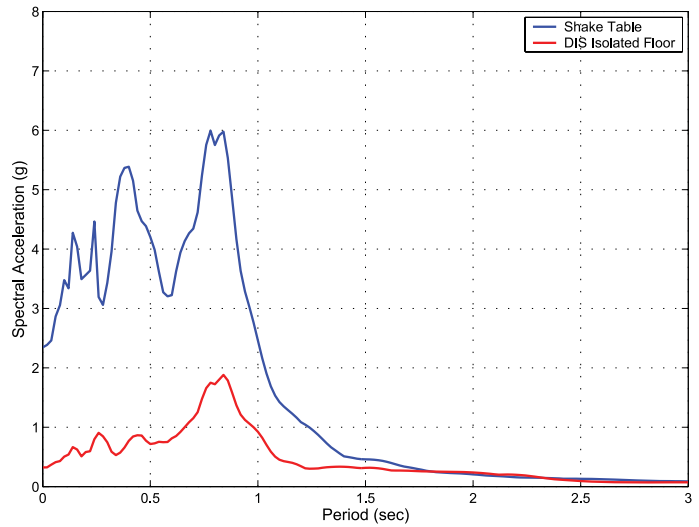
Conventional earthquake protection uses strengthening techniques, which actually result in increased seismic forces. The MIS, however, reduces these forces. Systems and equipment remain undamaged, operational and online.

Performance

DIS' patented MIS is comprised of Multi-Directional Springs and high load capacity rolling supports housed within an attractive steel frame. The frame matches the footprint of a standard modular data center and is only 12" (300mm) tall.

During seismic events the MIS decouples the data center from the ground and absorbs seismic energy, leaving the data center and its equipment unaffected.

Standard MIS' are designed for 25,000 to 65,000 pound modular data centers in moderate to high seismic regions. Custom solutions are available for any application.



Transmitted accelerations are reduced by up to 5 times.

MIS-40H and MIS-53H Configuration



MIS-40S and MIS-53S Configuration



MIS-20S Configuration



Dynamic control modules with springs support vertical load, control seismic movement and houses DIS' patented Multi-Directional Spring units.



Dynamic control modules without springs support vertical load and allow seismic movement.

MIS Options - Standard

Part No.	Container L x W	Container Weight Range
MIS-20S	20' x 8'	25,000 - 45,000
MIS-40S	40' x 8'	25,000 - 45,000
MIS-53S	53' x 8'	25,000 - 45,000

MIS Options - Heavy

Part No.	Container L x W	Container Weight Range
MIS-40H	40' x 8'	45,000 - 65,000
MIS-53H	53' x 8'	45,000 - 65,000

Concrete Pad requirements

- ▶ Dimensions: Container size plus 2ft perimeter
- ▶ Flatness Finish: FF 50
- ▶ Levelness Finish: FL 30
- ▶ Designed to support: 10,000 lb. point loads