



**SEISMIC  
ISOLATION  
SYSTEM**

# Seismic Isolation System

Seismic isolation is a breakthrough technology which aids in reducing the damages imposed on life and property by natural catastrophes such as earthquakes. This system decouples the superstructure from the base structure during an earthquake resulting to minimal movement and damage in the event of a devastating earthquake.



As the Philippines is located in the “Pacific Ring of Fire,” it is at risk from earthquakes, with the PHIVOLCS saying that **100 to 150 earthquakes** hit the country every year.

— Philippine Institute of Volcanology and Seismology

**MAGNITUDE**  
**7.0**

**July 27, 2022**

Most recent earthquake struck the province of Abra, Northern Luzon

Damage: 1.59 billion

— NDRRMC

**MAGNITUDE**  
**8.1**

**August 17, 1976**

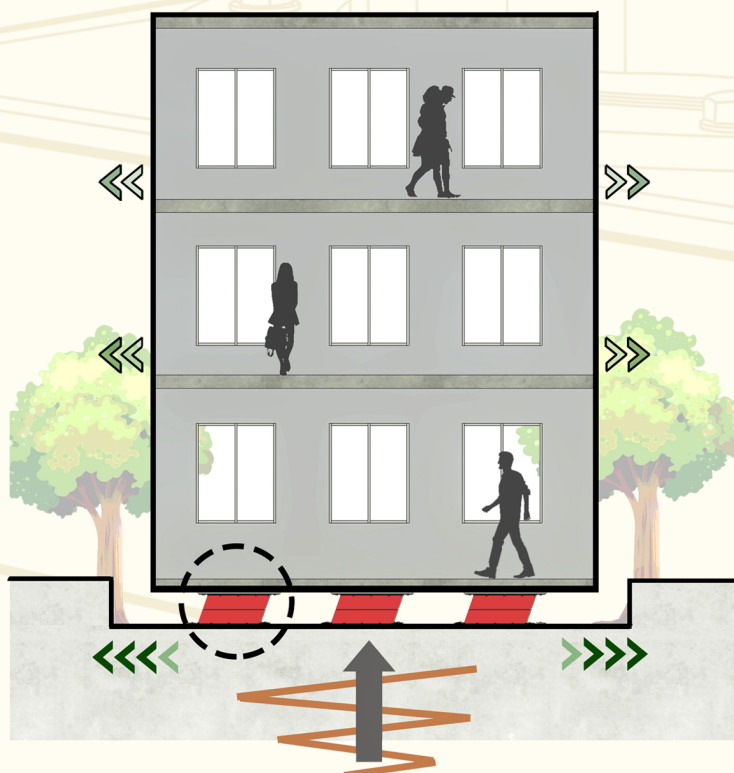
The largest recorded earthquake in the country occurred at Moro Gulf

Damage: 6.7 billion

— NDRRMC

## Benefits of Seismic Isolation System

Seismic isolation system can significantly decrease the amount of earthquake damage brought onto life, property, construction, and the economy.



reduces vibration  
and shaking

ensures safety  
during earthquakes

minimize damage to  
the structural system

prevents secondary  
disaster from debris

lessens damage -  
related repair costs

# First High-Rise Earthquake Resilient Building

## Bamberton Center

### Brief Background:

Bamberton Center is an 18-storey office and commercial building with 4 basement levels located at Arca South, Taguig City, Metro Manila.

It is the first high-rise building to use base isolation system in the Philippines. This structure uses 42 sets of High-Damping Rubber (HDR) seismic isolation.

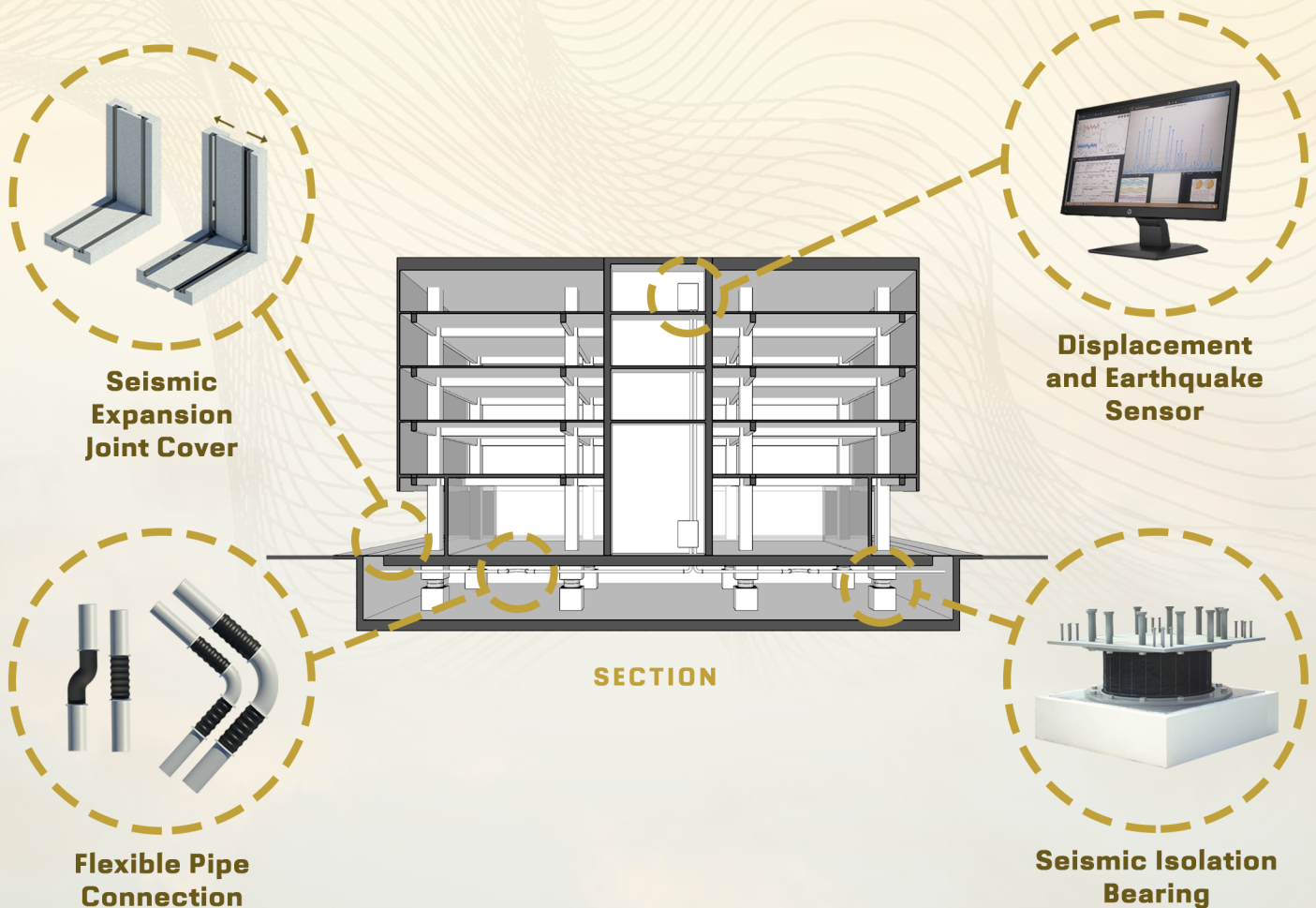
**Owner:** Bamberton Development Corp.

**Design:** KG Architectural Services

**Construction:** MaxBlocks Construction Corp.



### Seismic Components Used in Bamberton Center:





## About Us



**Quakesafe Phils. Inc.** is a one stop shop promoting the use of seismic isolation bearing in mitigating the effect of a devastating earthquake. From design to construction, the company will cater potential investors and developers to realize the advantages of this system to protect life and property. The company will provide effective solution and world class products for earthquake resilient buildings.

## Services Offered

Design • Consultation • Supply • Project Management

## Contact Us



333-A Tullahan Rd., Brgy. Sta. Quiteria,  
Caloocan City, Metro Manila, Philippines



+63-2-82915175  
+63-9913358381



[inquiry@quakesafe.ph](mailto:inquiry@quakesafe.ph)



[www.quakesafe.ph](http://www.quakesafe.ph)



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