

# Seismic Resilience: The Power of Hybrid Bracing Systems

## THE SEISMIC CHALLENGE



### Limitations of Conventional Bracing



Standard braces often buckle or fracture, leading to permanent structural damage and high repairs.

### The 43% Safety Gap



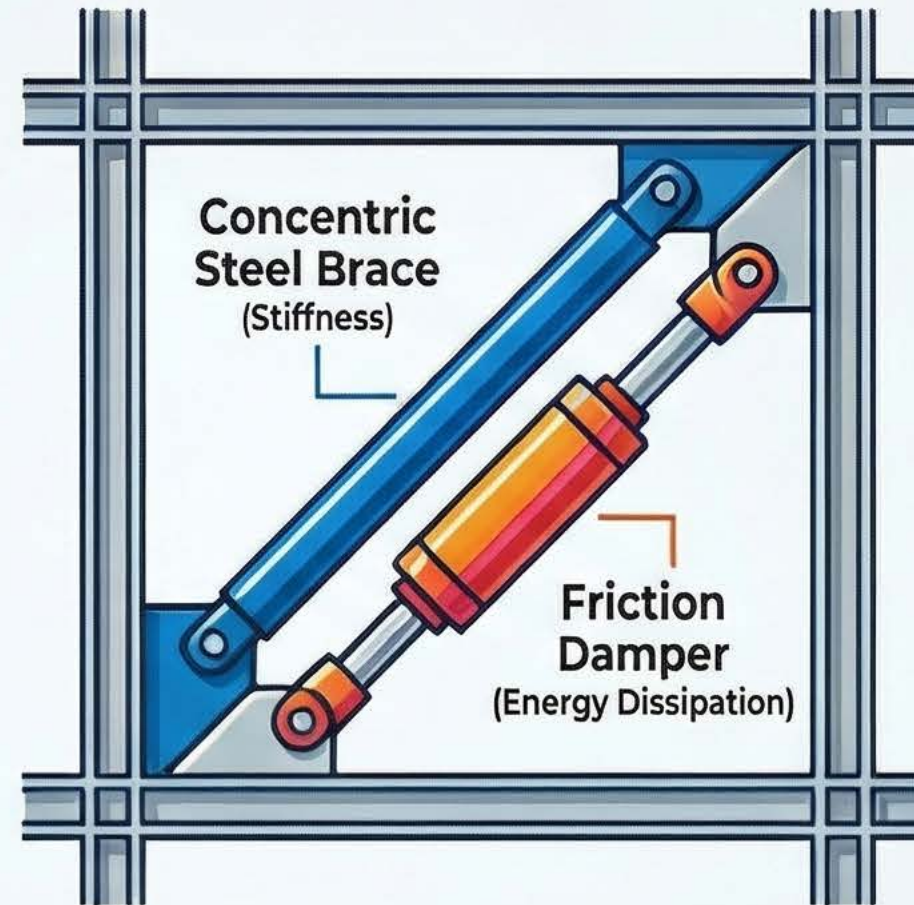
### The Resonance Risk



Adding only stiffness to tall buildings can cause dangerous resonance with ground motion.

## THE HYBRID SOLUTION

### A Dual-Action Safety System

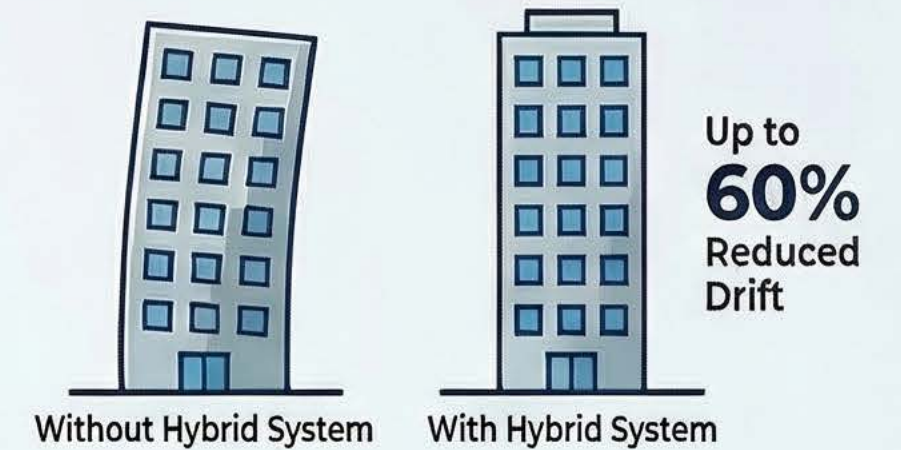


### Dampers Act as "Fuses"

Friction plates slide to dissipate energy as heat, protecting the main building frame.



### Up to 60% Drift Reduction



### Displacement Reduction (5-Storey Building during El Centro Earthquake)

