



Newsletter - Winter 2024

25 Years of Motioneering!

Since 1999 Motioneering has led the way in the field of motion control and damping solutions for tall buildings and other structures. With over 300 projects now under our belt, we have designed, constructed and monitored the full-scale performance for structures and damping system installations on every continent.

Motioneering will continue to innovate and expand our services while leveraging our expertise in wind engineering, structural dynamics, and motion control to design and deliver custom damping solutions that will mitigate unwanted vibrations, reduce energy consumption and enhance occupant comfort.

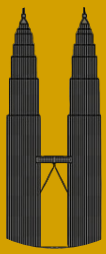
Please join us throughout 2024 as we look back on our some of our most memorable projects from the past 25 years!



The plated globe icon at the center of our logo is a tribute to the unique and beautiful TMD at Taipei 101. It represents an exceptional engineering feat while reflecting our resourceful, performance based approach, which distinguishes us as a company. As a company built on stability, the square brackets on either side of the damper icon characterizes this steadiness. Having now withstood multiple earthquakes in its lifespan, as well as a major typhoon with wind gusts of 145-miles per hour in 2015, the Taipei 101 TMD has proven its strength and resiliency over time. As have we.



Stay tuned for more about our 25 Year Anniversary



Resonance

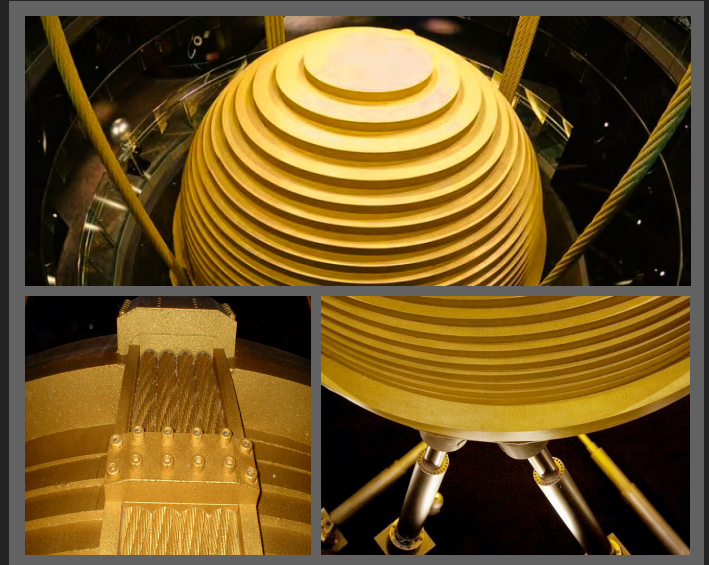
Powered by Motioneering

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Taipei 101

In 1999, the Taipei 101 project team invited Motioneering to design and build a tuned mass damper for what would be the world's tallest building at the time. Not only would this main supplementary damping system support the building's performance and its occupants' comfort, but the golden sphere would be both a functional and aesthetically pleasing focus of the building's design.

Located on the 87th floor, the pendulum's mass—with a diameter of 5.5 metres and weight of 660 metric tons—suspends from cables anchored on the 92nd floor and is stabilized by hydraulic cylinders.



In addition to supporting the building's performance and the comfort of its occupants, the damper's elegant single pendulum has become a noted tourist attraction, inspiring a mascot known as Damper Baby.



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