

This technology is a diverge fluid plane dashpot for framed structures used under dynamic load such as wind, earthquake and Tsunami.

TECHNOLOGY FEATURES

This technology is able to protect buildings against severe dynamic motions such as earthquake and wind. It is applicable for high rise building which are located in seismic regions in Malaysia. It is resistant against any kind of vibration effect. The diverge fluid plane dashpot system has shown enough capability to put into practice as cheap and useful supplementary product to install in new and existing structure to mitigate and eliminate the structural damage.

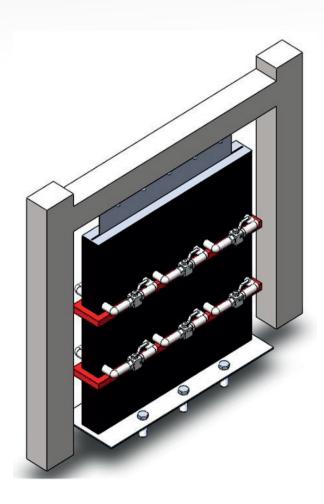
ADVANTAGES

- · Adjustable designed.
- Diminish the structural damage due to dynamic vibration.
- Economic designed.
- · Could be used as retrofitting damper

INDUSTRY OVERVIEW

Prospect: Aerospace and Defense Industry

At the industry level, airlines generated a return on invested capital exceeding the cost of that capital. The International Air Transport Association (IATA) announced that it expects the global airline industry to make a net profit in 2017 of \$29.8 billion, that represents a 4.1% net profit margin. In this industry, one of the key markers of improved performance is safety. Looking at jet operations, there was one major accident for every 3.1 million flights in 2015. That is a significant improvement on the five-year average (2010–2014) of one accident for every 2.2 million flights. Diverge Fluid Plane Dashpot is designed for framed structures under dynamic load such as wind, earthquake and tsunami. The system has shown enough capability to put into practice as a cheap and useful supplementary product to install in new and existing structure in an effort to mitigate and eliminate the structural damage. This product is applicable for any kind of structure such as bridges, buildings, aerospace aircrafts as well as structure to connect different parts subjected to vibration as mounting. It can easily competes with other available products since it is cheap. The requirements material for the product is easily available and can be provided in any countries by local facilities. The largest aerospace suppliers are United Technologies, followed by GE Aviation, Safran, Rolls-Royce Holdings, Honeywell Aerospace and Rockwell Collins including B/E Aerospace. Locally, in the Aerospace and Defense Industry, there are 87 possible companies that will find the invention to be relevant.



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