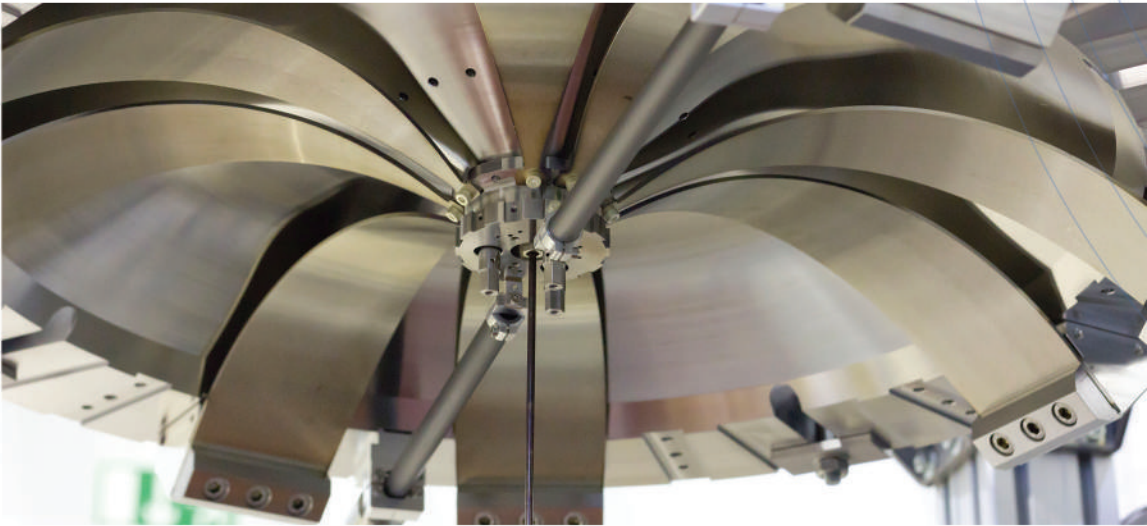




# INNOSEIS

Innovative Solutions to Seismic Challenges

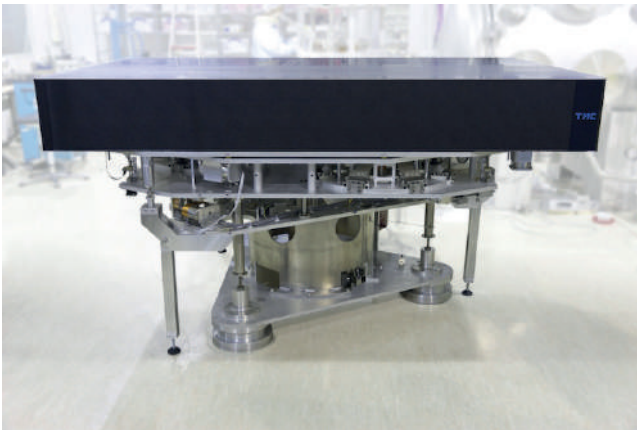


## High Performance Vibration Isolation Systems

Accelerate your R&D with the perfect testing environment

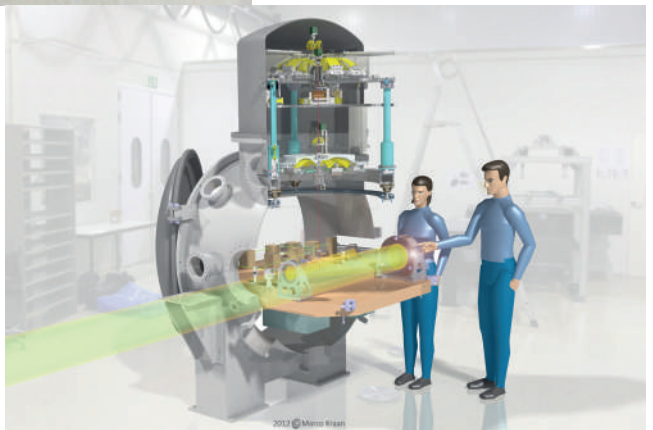
Test and calibrate your sensors with our proprietary high-performance laboratory-scale vibration isolation systems. These reduce ambient motion to levels to well below that of seismically quiet environments allowing you to quickly turn around new sensing ideas and approaches.

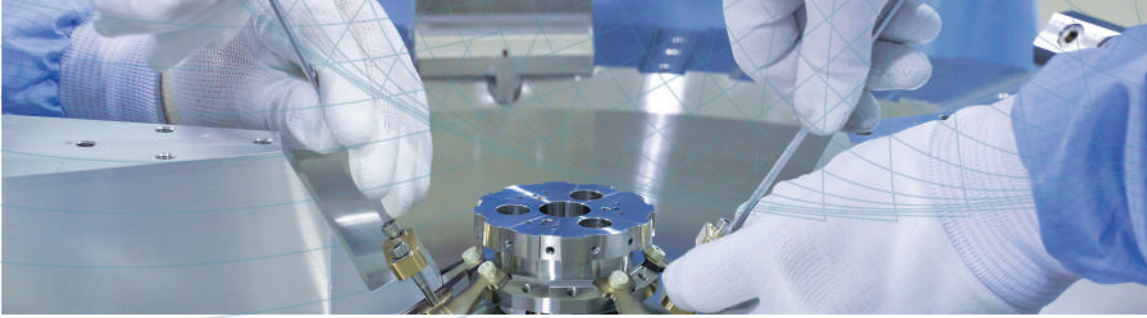
For short term or one-off testing, you can access our existing facilities in Amsterdam, Netherlands. Dedicated systems can be ordered on request and custom-built to cater to your specific needs.



A single-stage solution is available and provides 40 dB suppression of seismic motion in all six degrees of freedom. It is available in a vacuum compatible configuration and supports a pay-load of up to several tons.

Multi-stage solutions are available for use in-vacuum and feature over a million times suppression of vibrations in all degrees of freedom.





## Key features

### Shorten development time

Having direct access to an isolated testing environment means direct feedback on research and development activities. This increases research efficiency and shortens time-to-market.

### Quietest place on Earth

It is no longer necessary to travel to remote locations that have reduced seismic activity. With our technology you can bring the quietest place on Earth, right into your laboratory.

### Low-frequency

Thanks to proprietary anti-spring technology our vibration isolation systems provide attenuation from as low as 100 mHz. This means applications can be tested in the broadest frequency range on the market.

### High-performance

With over a thousand times better attenuation performance than current solutions, our high-end vibration isolation systems allows for totally new opportunities.

## Application examples

### **Sensor development**

The careful characterisation of instrumental noise is a crucial step in the development of high performance seismic sensors. As novel instruments increase in complexity with integrated sensing and recording systems, distinguishing between the various noise sources becomes more challenging. Reducing the ambient vibrations to levels below that of the equivalent error signals is an important step in accurate sensor characterisation.

### **High-precision processes**

Industrial, medical and scientific processes are continuously improving in terms of sensitivity and precision. The motion induced by unwanted vibrations can easily exceed the precision requirements of these processes.

### **Space science**

Scientific as well as commercial satellites are rigorously tested before being committed to a space mission. The tests involve both vibration isolation and excitation. Excitations are used to simulate launch conditions, while vibration isolation is required to mimic the environment of space.

