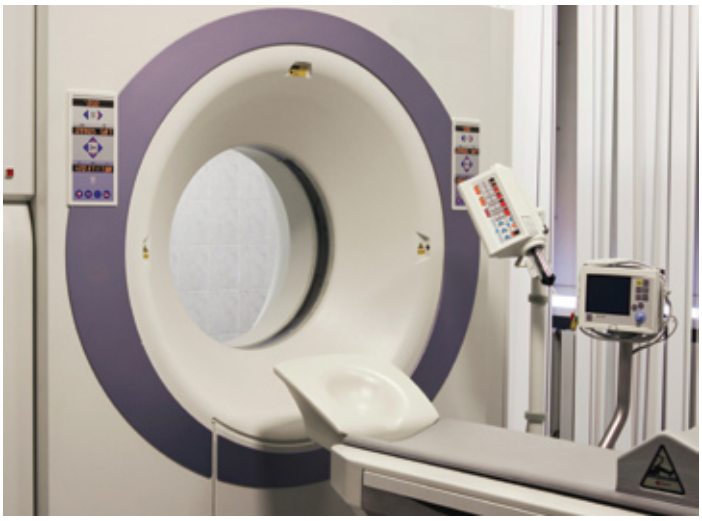
Structural vibration survey

- Seismic Vibration Identification
- Structural Vibration Acceptance Testing
- Operating Deflection Shape Analysis

Make sure your equipment is running smoothly

If left unchecked, structural-related problems can reduce productivity, safety, quality and comfort. Such problems can create less noticeable vibrations stemming from poor installation, internal machine defects, or a problem that has developed over time. Seismic-related problems include noise, excessive machine vibration and large structure vibration that can affect the performance of critical equipment, such as MRI equipment, X-ray machines and other sensitive instruments. In addition to equipment, employees' comfort is also affected by structurally born noise and vibration.

Johnson Controls



Seismic structural analysis is based largely on gathering vibration data from multiple physical locations in a facility to identify the source and causes of abnormal vibration levels. We install low frequency accelerometers in various locations to help pinpoint structural problems. Your service technician will partner with the Predictive Diagnostics Team to identify the source and cause of the vibration levels, then make recommendations to help reduce vibrations.

Enterprise-wide service consistency

Johnson Controls has more than 150 service offices located across North America. As a result, we can deliver consistent service expertise and technologies to support your HVAC services needs, no matter where your facilities are located.

Johnson Controls offers the following services to identify possible seismic structural problems in your facility

Seismic Vibration Identification

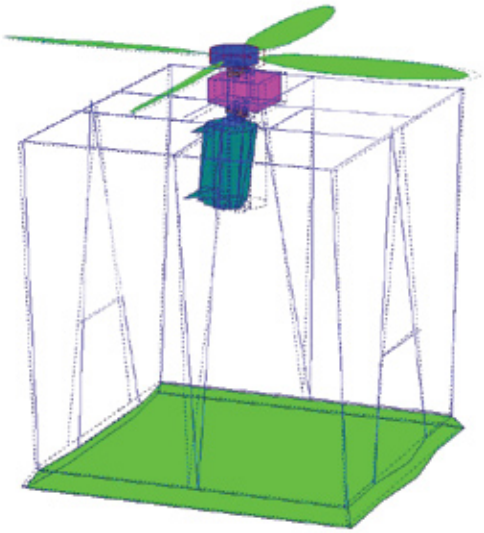
A turnkey approach that identifies vibration sources, isolates and fixes the problem, and then verifies the problem has been corrected.

Structural Vibration Acceptance Testing

The Johnson Controls team provides required tests to verify that OEM vibration testing criteria are met prior to installation. If problems are identified, we'll recommend strategies to assure site acceptance.

Operating Deflection Shape (ODS)

This service diagnoses hard-to-identify machinery structural problems. The 3-D animated images allow us to determine optimal modifications to eliminate excessive vibration caused by excited natural frequencies. Our team of vibration experts analyzes the data and recommends solutions.



3-D ANIMATED ODS IMAGE