



About Us

Our services are underpinned by fundamental and internationally leading research and consultancy in vibration performance. Full Scale Dynamics Directors have generated a significant proportion of the total world output of peer-reviewed international journal publications in this field over the last 25 years. They have also contributed to key design guides and national and international standards on dynamic loading and assessment of grandstands, floors, staircases and buildings.

Vibration engineering is underpinned by developments in measuring and modelling human dynamic loads based on a bio-dynamics approach. These loads are usually the key source of vibration serviceability problems. We can couple human dynamic load modelling with finite element modelling and model correlation and updating, based on dynamic testing of as-built large civil engineering structures.

In addition to vibration serviceability, our directors and employees have international expertise in structural health monitoring and extensive experience of full-scale testing of civil structures.

We also offer deep data driven assessment of civil engineering structures, based on novel on-line and real-time performance anomaly detection using operational modal analysis and data mining tools. These are currently employed on a number of full-scale structures in the UK and overseas.