

Ground and building vibration monitoring projects during construction and geological survey operations

This is a list of some projects for which Spectrum has provided ground and building vibration monitoring services.

Client	Project
Vibro Projects Ltd	Vibration monitoring at nearby residential properties during ground compaction works for residential development. Dufftown Compaction Project, Scotland
Balfour Beatty plc (formally Birse Coastal)	Vibration and noise monitoring of pile driving during the construction of the Blackpool Sea Defence and Promenade Development Project, including continuous vibration monitoring of Pier structures and weekly reporting
Carillion Construction Ltd	Noise and vibration monitoring and reporting in line with BS 5228:1997 Noise and Vibration Control on Construction and Open Sites, during the demolition and rebuild of various railway bridges
Morgan Vinci	Vibration monitoring of pile driving during construction of the Channel Tunnel rail link
Aarsleff Piling	Vibration monitoring of pile driving during the construction of a sea wall at Hunstanton, Norfolk
Commercial Marine & Piling Ltd	Vibration monitoring for pile driving during construction of support for the railway track bed between St Denys station and the River Itchen
London Merchant Securities	Study of noise impact and vibration from underground trains on a 44 storey building in central London
Chelsfield plc/Apollo Cinemas	Plaza redevelopment, Lower Regent Street, London. Design measures to attenuate noise from transportation including underground trains. Design isolation structures between adjacent auditoria
Aegis-Nordhaus Construction, USA	Structural vibration survey, during army firing – Vilsek Family Housing, Vilsek, Germany
Bath & NE Somerset Council	Ground/building vibration monitoring during seismic survey, Bath Spa project
BNFL/Nirex	Ground/building vibration monitoring during geological investigations, Sellafield Seismic Survey
BP Exploration	Ground/building vibration monitoring during Wytch Farm 3D Seismic Survey
Centrica	Ground/building vibration monitoring during Caythorpe gas storage seismic survey
UKAEA	Ground/building vibration monitoring during geological surveys at Dounreay
UKAEA	Ground/building vibration monitoring during shaft hydro-geological investigations, Dounreay