

Case Study

Project

Royal Liverpool University Hospital,

Client

Carillion plc

Overview

IDOM provided reassurance vibration monitoring simultaneously at seven vibration sensitive locations within the new hospital structure while piling works were being undertaken on an adjacent development Plot. Concern was raised while plant room equipment was being installed that externally generated vibrations were causing sensitive plant to move from its fixings. A program of reassurance monitoring was undertaken at the location of the equipment and the source of the vibrations to calculate the risk level and impact the piling works may be having.

Services Provided

- Preparing technical vibration assessment reports detailing the impact of vibration levels measured.
- Peak Particle Velocity (PPV) measurements undertaken in real time at seven locations to calculate the movement and impact of vibrations through the structure.
- Vibration impact assessment calculations at height through concrete high-rise structures.

