

## Building and Investigation Services

Offering a comprehensive range of building and investigation services, CTS have carried out specialist inspections and investigations necessary to upgrade and inspect the UK's building stock for over 30 years.

Specialising in change of use and refurbishments of buildings including historic and listed structures, our support surveys include commercial and domestic buildings, multi-storey car parks, and both clean and wastewater industry infrastructure.

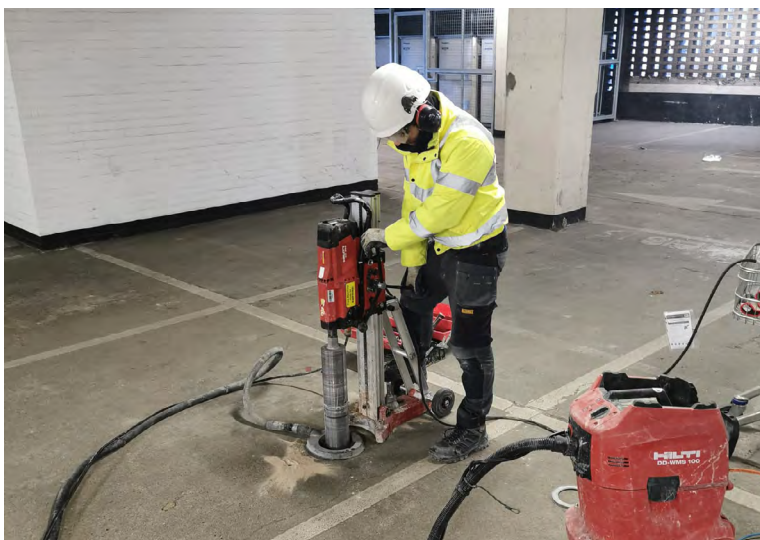
Working with structural engineers or surveyors, we identify the construction details of buildings giving engineers vital details of the building fabric particularly where there is lack of accurate or incomplete records. By carrying out opening-up works to the fabric of the building and performing material analysis, our works help reduce the cost risk for the property developer prior to tendering for costly refurbishment contracts.

Our teams work in occupied buildings, where carefully orchestrated surveys are unobtrusively undertaken, with extreme care taken to protect the surrounding environment. We are skilled in working within derelict buildings where safety of personnel is paramount and environmental conditions are often challenging.

Our services include the assessment of the current condition of concrete or steel framed buildings, offering advice on grade of steel used, details of cast iron columns and beams, as well as physical dimensional surveys, material sampling and foundation sizes, through the most up to date techniques and using the very latest technology.

### Our range of services include:

- Structural fabric surveys
- Foundation surveys
- Endoscopic cavity wall inspection
- Non-destructive concrete condition assessments - half-cell potential, cover meter, depth of carbonation, rebound hammer
- Concrete coring and sampling, masonry sampling, steel, cast iron, paint and timber materials sampling for analysis
- Visual defect and delamination survey
- Insitu and laboratory metallography surveys
- Pull-out testing
- Load testing
- Chemical and fire damage survey
- 2D and 3D reinforcement scanning using Ferrosan and GPR methods



For more information on our Building and Investigation services, get in touch with the team.

