GPR conduit location

Prior to cutting or coring, it is essential to locate services, conduits and any other obstructions.

Locating conduits in concrete slabs can be problematic. Due to the presence of reinforcement, more traditional methods such as Radio Detection are often unreliable.

Ground Penetrating Radar (GPR) will locate the following in screed and concrete floor slabs:

- Electrical conduits
- Fibre-optic conduits
- Metal/Plastic conduits
- Metal/Plastic pipes
- Underfloor heating pipes
- Post-Tensioned cables
- Reinforcing steel
- Voids and other targets

GPR detects changes in the sub-surface and can detect metallic and non-metallic objects. It produces a pseudo cross-section image through the floor slab enabling conduits to be detected and located, even if it is close to rebar. Our GPR Conduit Location Surveys can detect conduits within screed layers, the concrete slab itself or even below the slab.

Our experienced GPR surveyors will be able to assess your site conditions and use the most suitable antenna frequency to provide the best possible results.

Cables and conduits fixed in position before screed is applied to concrete floor slab.

GPR radargram showing detected services in screed layer of concrete floor slab (indicated by blue arrows).