FACADES & ELEVATIONS

The power and accuracy of the Leica 1200 Total Station allows our surveyors to remotely record facades and elevations quickly and efficiently. Elevation software on handheld computers ensures that detailed recordings are complete and comprehensive.

Our elevations are typically surveyed using reflectorless Total Station and handheld PC's with elevation software installed. Where a higher level of detail is required on an elevation or when recording a complex object, a laser scanner will be used. If a total record on an important façade is required, then we can generate rectified photography.

ELEVATIONS:
We use handheld computers to draw quickly and accurately in the field. This allows for more time to be spent enhancing the level of detail observed while on site. The Leica 1200 reflectorless electronic distance measuring (EDM) has a very low beam dispersal ratio allowing accurate measurement over longer distances. This also allows for the easier and quicker completion of surveys with fewer set-ups.

SCANNING:
For fast, unobtrusive scene capture and intensive, accurate data capture, laser scanning is the cutting edge of survey technology. As laser surveys can be completed without direct physical access, it enables the survey of potentially hazardous structures or locations with access limitations without compromising the safety of individuals.

RECTIFIED PHOTOGRAPHY:
Rectified photography can be used to record building facades where a conventional survey proves impractical. A rectified photo provides an accurate and extensive visual record of a structure.

Uniquely, it will also provide a visual record of the structure's composition including any subtle changes contained therein. Rectified Photography is particularly useful for architectural conservation or archaeological record. As the photography is processed in a CAD environment we can extract line work to suit your needs now or at any time in the future.