



CASE STUDY: **Oxburgh Hall, National Trust**

LIDAR SCANNING ENHANCES SITE SURVEYS

BACKGROUND: Oxburgh Hall is a moated mansion set within 70 acres of formal gardens and woodlands.

A £6 million improvement project was underway at the site, with works including repairing the roof, windows, chimneys, and medieval gatehouse.

REQUIREMENT: As part of enhancements, a fully compliant ramp was needed from the south entrance and chapel to improve wheelchair accessibility.

SITE SURVEY: Oxburgh Hall was the first project to benefit from the Lidar scanning technology used by our site surveyors.

The machine scans the whole area, including the building and terrain.

Once the photographing process was completed, our CAD designer was able to plot a 3D visual of the ramp on top of the lidar model.

Application: Heritage / Public Building

Location: Oxborough, Norfolk

System: Fully Compliant Ramp System

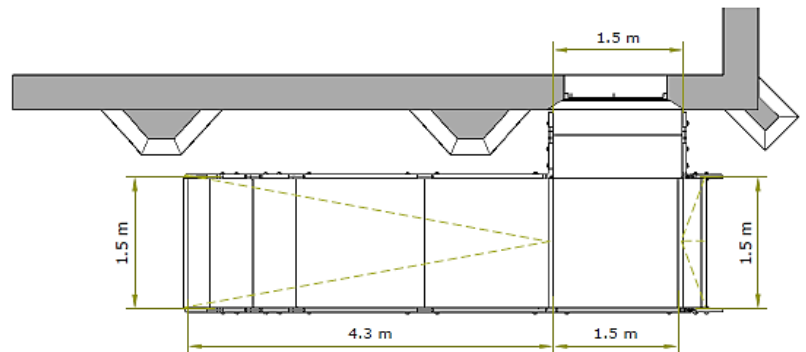
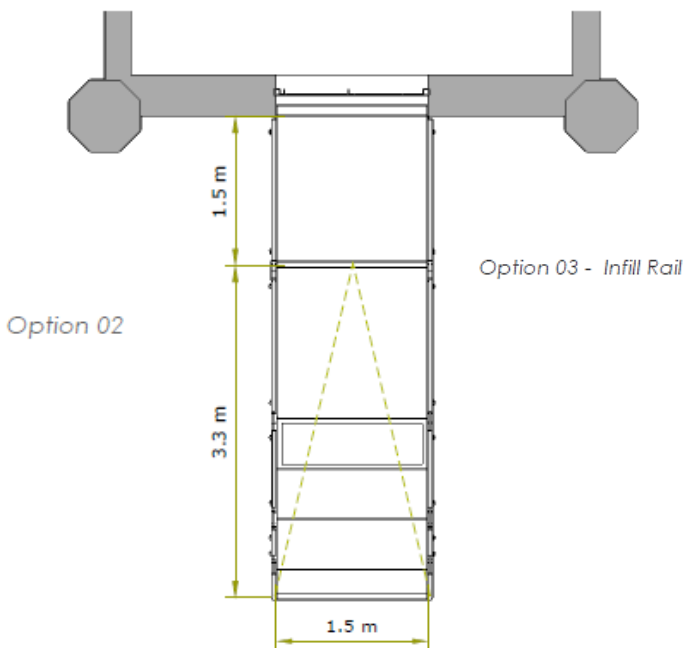
Service Package: Supply & Install



SITE SURVEY: The final CAD designs were given to the client with their quotation.

The lidar modelling process helps contextualise the drawings by placing the systems in a virtual representation of the real environment; in this example, a historic setting with grass & dry terrain.

We aim to carry out site surveys efficiently and within a minimal time frame. This technology enables us to continue to achieve these objectives and more.



END RESULT: The two systems were installed within a week and included a compliant 1:15 gradient and width of 1500mm.

FEATURES INCLUDED:

- Infill Handrail - this product prevents users from climbing or falling through gaps.
- Yellow Tread - this is a safety feature designed to help those with impaired vision identify the nose of the ramp and level changes.
- Trombone Ends - these are added to the ends of a Rapid Ramp to prevent clothes catching.
- Mesh Platform - the self-draining mesh allows water to pass through rather than collect on the surface.
- Continuous Handrail - this handrail system ensures users always have support to hold onto.
- Standard colour: Black - Ramps are powder coated black to create a durable finish that is tougher than conventional paint.

EXTRA FEATURE INCLUDED:

- Compliant Step Unit - an ideal addition to any ramp installation, providing the access needed for able-bodied users. They can also be stand-alone units, independent of the Rapid Ramp System.





RAMPS TO HISTORIC BUILDINGS

We consciously take great care when dealing with historic buildings, offering a solution that doesn't need to be bolted to walls.

Throughout the process, we're always willing to consult with the appropriate conservation and planning authorities.



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Do you require modular ramps and steps?

Contact our sales team