Kanna

EXPLORE • MEASURE • SURVEY

Capability sheet

Kanna Spatial is a reality capture studio in Glasgow.

Last reviewed 20 November 2026

WHAT WE DO

Measured building surveys and point cloud surveys
Laser scanning for 2D CAD plans, elevations and sections, and for point clouds.

Scan to BIM: Revit models of existing buildings from the point cloud.

Matterport tours: 3D virtual tours, with a point cloud export where needed.

Drone mapping: Aerial photogrammetry: orthomosaics, 3D models, and roof and site records.

Drone building inspections: Roofs, facades, high-rise and hard to reach elevations, with defect tags pinned on a photoreal 3D model in the client portal.

Drone thermography: Thermal imaging of roofs and elevations from the air.

Building thermography: Handheld internal and external thermal imaging surveys.

FOR DESIGN TEAMS

Drawings follow your CAD layer standard or Revit template, on sheets at 1:50 or 1:100 in DWG and PDF.

Send your BIM execution plan and information requirements at the start and we will work within them.

Every drawing is checked before issue.

Tolerance is agreed at quote stage to suit the scale and purpose of the drawings.

One site visit can combine a laser scan, an interior capture and drone photographs.

Delivered in a private client portal. It holds browser viewers for whichever outputs the survey produces, a drawings library, PDF mark-up that saves back to the project, downloads and share links.

Every job is quoted at a fixed price before we attend, usually the same working day.

EQUIPMENT

Laser scanner: Leica RTC360, rated by Leica at 1.9 mm 3D point accuracy at 10 m.

Handheld scanner: For large or awkward interiors we can also use a handheld SLAM scanner (Leica BLK2GO) for fast capture.

3D tour camera: Matterport Pro3, LiDAR based. Matterport's guidance is that room dimensions in tours from depth cameras such as the Pro3 are within 1% on average. Small, thin or shiny objects may not measure reliably. A Matterport tour is not survey grade.

Thermal drone: Thermal flights use a DJI Matrice 4T with a radiometric thermal camera (640 x 512, 8 to 14 µm) and RTK positioning.

Drone photography: Aerial photographs are 48 MP.

Thermal camera: Internal and close range external thermal imaging uses a handheld FLIR thermal camera.

Software: Revit, AutoCAD, Autodesk ReCap, the Matterport cloud and RealityScan.

PEOPLE AND QUALIFICATIONS

Kanna Spatial is led by Connor Milton MCIAT, a Chartered Architectural Technologist with ten years in architectural practice.

Drone flights: Flown by a pilot who holds a CAA Flyer ID and the A2 Certificate of Competency. Every flight is planned and risk assessed. We check airspace and notify the relevant authorities before we fly. A drone flight is not always possible: airspace, people nearby and the weather decide.

INSURANCE

Professional indemnity and public liability insurance are in place. Certificates are available on request.

Insured for commercial drone work.

SELECTED PROJECTS

- Glasgow Royal Concert Hall
- Glasgow City Halls
- The Victoria, Battlefield, Glasgow
- The Royal Edinburgh Military Tattoo arena
- Kirkgate Tower, Edinburgh
- Glasgow Museums Resource Centre
- Bridgnorth Police Station, Shropshire
- Creag Mhor Cottage, Onich
- A Glasgow West End townhouse (anonymised)
- A fire-damaged building in Scotland (anonymised)

Case studies: kannaspatial.co.uk/case-studies

COMPANY DETAILS

Legal name	Kanna Spatial Ltd
Company number	SC881553, registered in Scotland
Registered office	40A Lansdowne Crescent, Glasgow G20 6NH
Phone	0141 260 0115
Email	studio@kannaspatial.co.uk
Website	kannaspatial.co.uk
Company facts	kannaspatial.co.uk/facts
Where we work	Glasgow and Edinburgh most weeks, across Scotland weekly, and anywhere in the UK for larger projects.