

Reality Capture

Millimetre-accurate laser scanning, drone survey and photogrammetry, converted into coordinated BIM models and point cloud deliverables.

Using terrestrial laser scanners, SLAM scanners and drones, we capture precise site data across complex and operational environments, then convert it into models and deliverables your project team can work from directly. In 2024 alone we captured over 10 billion points.

What we do

Terrestrial laser scanning

High-resolution capture for complex environments, including operational hospitals and pharmaceutical facilities where access windows are tight and disruption must be minimal.

Drone surveys

Aerial perspectives for hard-to-reach or expansive sites, reducing the need for working at height.

Scan to BIM

Point clouds converted into Building Information Models or textured reality meshes for design and construction use.

Asset data capture

Accurate information collected from site surveys, feeding directly into Facilities Management systems.

At a glance

10bn+

Points captured in 2024

100%

DBS-checked staff

STANDARDS & COMPLIANCE

- ✓ ISO 19650
- ✓ COBie, Uniclass, IFC
- ✓ UK BIM Level 2

WHY DEW

- ✓ 20+ technical specialists
- ✓ 200+ projects delivered since 2016
- ✓ 80%+ repeat business rate
- ✓ 95%+ on-time and to brief
- ✓ 100% DBS-checked staff

How we deliver

01

Survey planning

Scope, accuracy requirements and access constraints agreed up front, including any security clearance or out-of-hours working.

02

Site capture

Terrestrial, SLAM or drone capture as appropriate to the environment, with control established for verifiable accuracy.

03

Registration and processing

Scans registered into a single coordinated point cloud, checked for accuracy and cleaned for delivery.

04

Scan to BIM conversion

Point cloud converted into an information model or textured mesh, modelled to the agreed level of detail.

Point clouds, models, meshes or virtual tours issued in the formats your team works in.

Where we've done it

AstraZeneca PHARMACEUTICAL

Comprehensive laser scanning of pharmaceutical manufacturing facilities, converted into prefabrication-ready cleanroom models and COBie-compliant asset documentation, reducing onsite installation time and cost.

Midland Metropolitan University Hospital HEALTHCARE

Laser scanning of critical areas across a large-scale hospital, delivering COBie-compliant as-built models to support operational readiness and ongoing maintenance.

HS2 N1N2 Tunnel Head Houses INFRASTRUCTURE

Periodic model updates driven by laser scan data across five tunnel head houses, with COBie-compliant data accurate enough for HS2 compliance audits.

"Their laser scanning capabilities and ability to quickly convert data into actionable models saved us significant time and resources on-site."

— PROJECT MANAGER, INFRASTRUCTURE CLIENT

Let's streamline your next project.

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