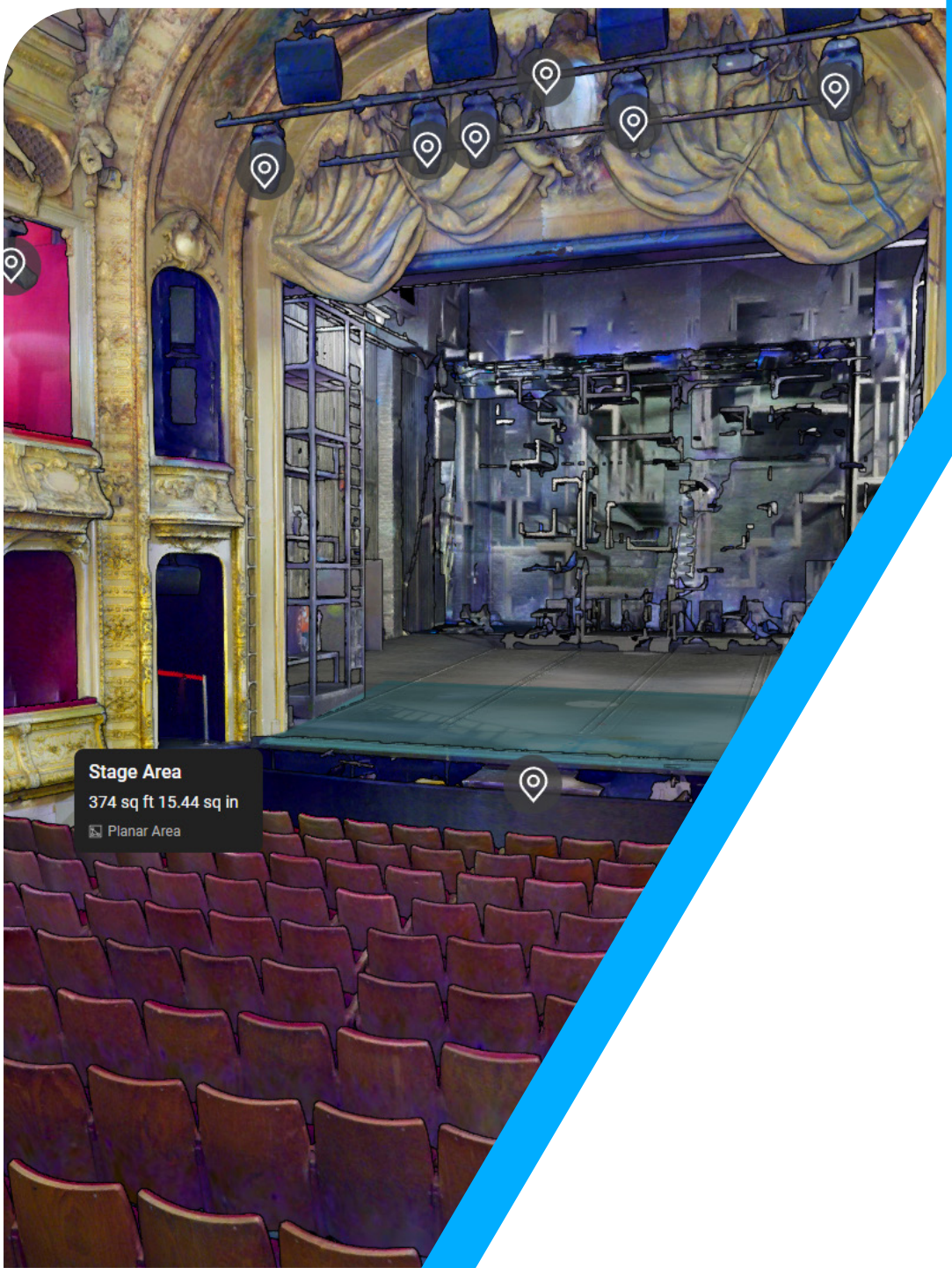
HEXAGON
GeoCloud

Hexagon GeoCloud for AEC: Where geodata drives decisions.

Accelerate delivery by **30%** and slash IT costs by up to **50%**, empowering teams to achieve more with less effort.



Unlimited collaboration, visualisation & data sharing to increase efficiency

Collaborate effortlessly across teams and clients through secure, user-based access to datasets, small or large, hosted in dynamically scalable cloud infrastructure with no hard drives or downloads required, whether viewing in a browser or directly streaming to a desktop CAD application.

GeoCloud delivers intuitive capabilities that drive fast adoption and keep teams focused on delivery and not data management. Unlimited free users enable secure collaboration across extended teams, while free ongoing storage in perpetuity helps keep project data for life, reducing your total cost of ownership.



Precise measurements with ease

Measure with confidence across every job site

Keep construction progress accurate and accountable with 3D measurement tools built for real-world job sites.

- Plan installations and verify accuracy directly against images, meshes, or point clouds without travelling onsite. Share precise results with subcontractors to prevent costly adjustments
- Measure directly in a browser, or in connected desktop applications when working with data in Leica Cyclone 3DR or Leica CloudWorx

Up to

80%

increase in client satisfaction. Powered by high-fidelity 3D visualisation and unlimited collaboration.



"Everything is visible in the same space, and that's a big help for our clients. They're not jumping between platforms or managing massive files on their own servers. They can simply access what they need and start working."

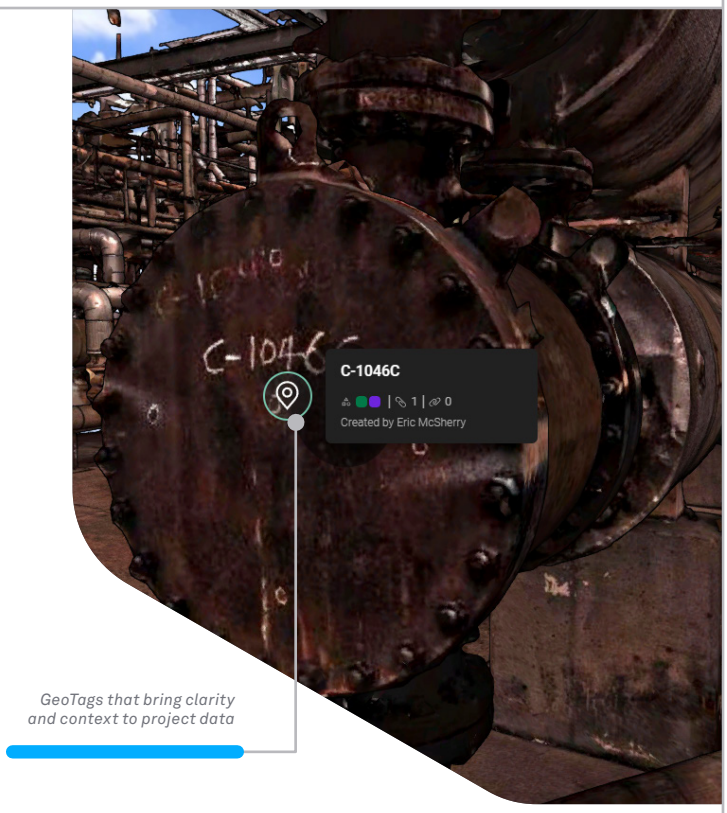
— Alan Muir, Technical Director of Land and Engineering Surveying, Pell Frischmann

Read more >>

GeoTags for targeted insights and field updates

Connect teams, tasks, and locations with GeoTags that tie project insights directly to geo data within your 3D environment. Whether marking HVAC equipment for maintenance, noting electrical installation issues, or tracking fire safety assets, GeoTags give every update clear context and keep all stakeholders aligned and informed.

- Prevent costly rework with GeoTags during deviation analysis to identify areas requiring attention from onsite crews or offsite contractors with direct link sharing to the GeoTag
- Speed up cross-team communication with GeoTags. Facility managers can inventory assets such as fire safety equipment, track maintenance work with customizable text, category fields, and unlimited attachments and links
- Create or Access GeoTags across the reality capture software ecosystem, from field to office to cloud



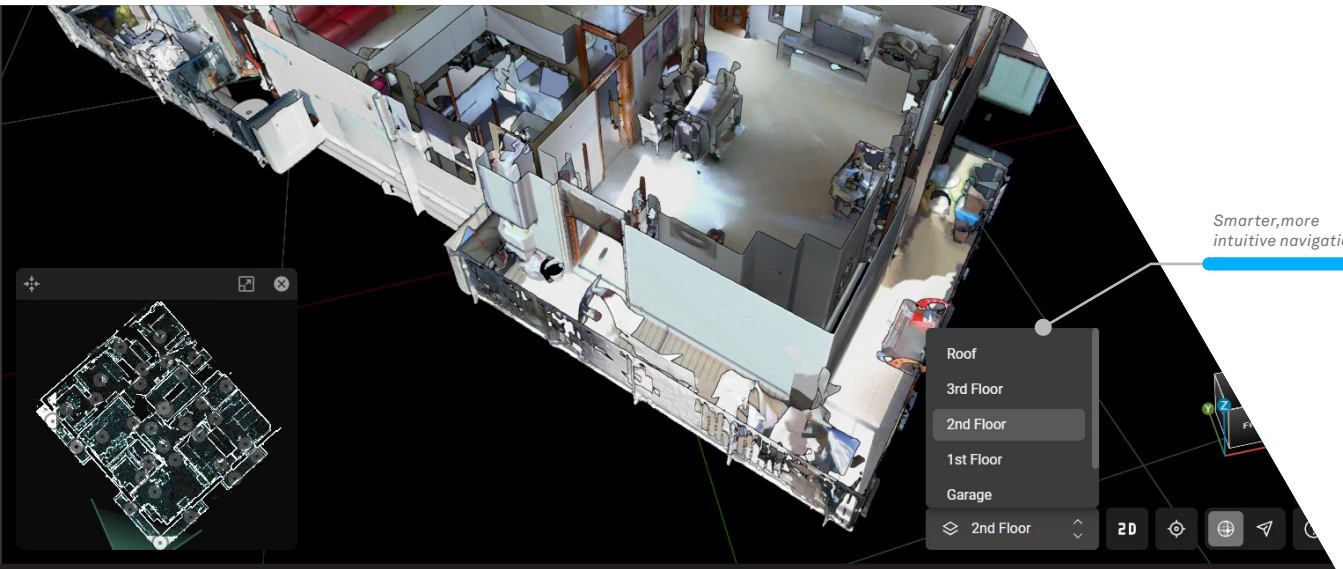
GeoTags that bring clarity and context to project data

Get a free demo >>

Effortless navigation meets intelligent visualization

Visualize, explore and understand 3D construction data directly from your browser with intuitive tools designed for everyone. Stakeholders can interact with project data, make faster decisions, and focus on what matters to improve coordination across the project lifecycle.

- Focus views with SiteMap Levels and Limit Boxes to navigate floors with ease and verify installations with flexible viewing options, for example directing a contractor to check an electrical panel on the second floor is installed matching design intent
- Efficiently structured data keeps large and complex facilities organised
- Targeted exploration with instant access to the correct floor or zone without moving through the entire 3D space
- Natural, intuitive 3D navigation that enables stakeholders to explore job sites with ease
- Clear progress reviews and updates that any team member can share without specialised software or technical skills



Smarter,more intuitive navigation

Customers who use GeoCloud experienced:

Up to
75%
reduction in total cost of ownership

Up to
50%
faster project turnaround time

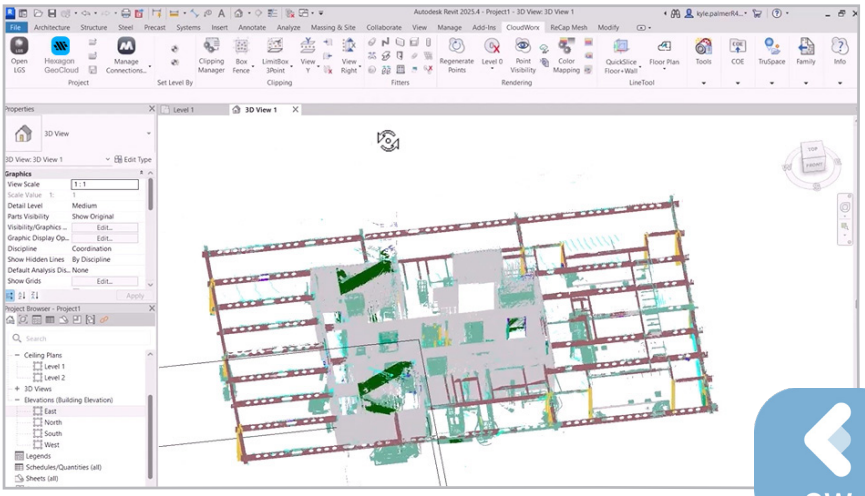
Up to
10%
revenue boost per project

Faster, more accurate scan to model and scan to plan workflows

Turn site scans into precise, ready-to-use BIM data with a solution built for the field and the office. From installation crews to design teams, everyone can rely on accurate 3D data to compare as-built conditions against design intent and project plans to deliver quality results on time.

Use the application that fits your workflow. Whether you are working in GeoCloud directly or streaming to Leica Geosystems Cyclone 3DR, get realistic textured meshes with on-click via Auto Scan-to-Mesh capabilities. And for 2D floor plans, stream to Cyclone 3DR or Leica Geosystems CloudWorx for Scan-to-Plan capabilities.

Leverage CloudWorx to bring high-fidelity, classified as-built data directly into the CAD and BIM tools AEC teams rely on for their scan-to-model workflows, accelerating design coordination and construction validation.



Leica Cloudworx

CloudWorx capabilities include:

- CloudWorx for Revit, AutoCAD, BricsCAD, and Navisworks let teams model, verify, and analyse as-built conditions directly within their preferred CAD applications
- Improve coordination across disciplines by connecting scan data to design and construction workflows for faster validation and more accurate project deliverables
- Enable every CAD user to benefit from classified point clouds with the free CloudWorx Viewer for Revit and AutoCAD, allowing visualisation, filtering, clipping, and more to provide visual validation of CAD-based workflows against the as-built data



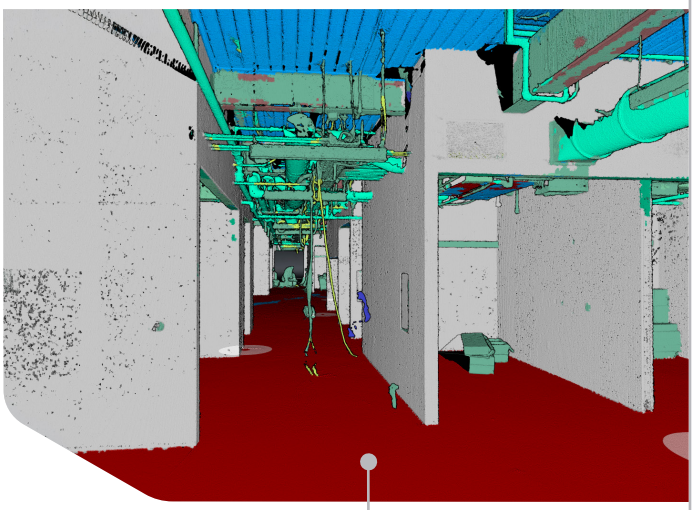
> “Hexagon GeoCloud has completely changed how we manage our projects. What used to take hours of manual setup is now done in a fraction of the time, saving us up to 10-15 hours per project.”
>
> **— Elizabeth McReynolds, Survey & High-Definition Scanning Manager, McNeil Engineering**

Read more >>

AI-powered classification for smarter data organization

Enhance modelling accuracy and deliverable quality with AI-driven tools that automatically classify point clouds to organize and refine your 3D data for faster, more reliable results

- Stream classified point clouds into CloudWorx plugins for your favourite CAD applications for efficient feature extraction
- Automatically identify, colour-code, and filter elements such as structural beams and columns, mechanical and HVAC equipment, and electrical components to streamline modelling
- Switch off unwanted data like debris, equipment, or temporary materials to focus on necessary features
- Reduce manual modelling time and ensure consistency across teams for faster, higher-quality deliverables
- Share classified data with any stakeholder via the browser with no additional, specialised software or license needed, making it accessible and usable to everyone

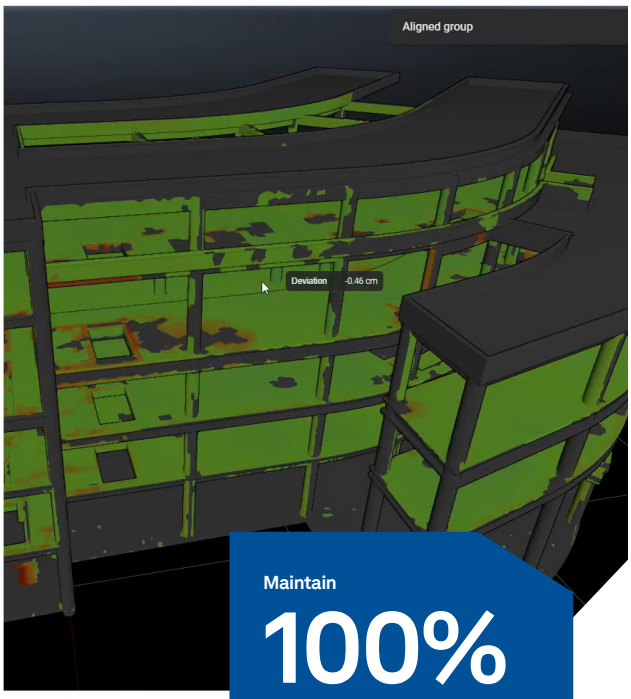


AI-powered classification

Get a free demo >>

Detect deviations early with scan to verify capabilities

Compare as-built conditions against design intent to ensure every element is built according to plan. With precise visual alignment between scan data and BIM data, teams can easily detect deviations, verify installation accuracy, and address issues before impacting cost or schedule. This workflow strengthens QA/QC processes, helps project managers confirm progress in the field, and gives stakeholders confidence that each phase of construction aligns with project specifications and quality standards.



Maintain

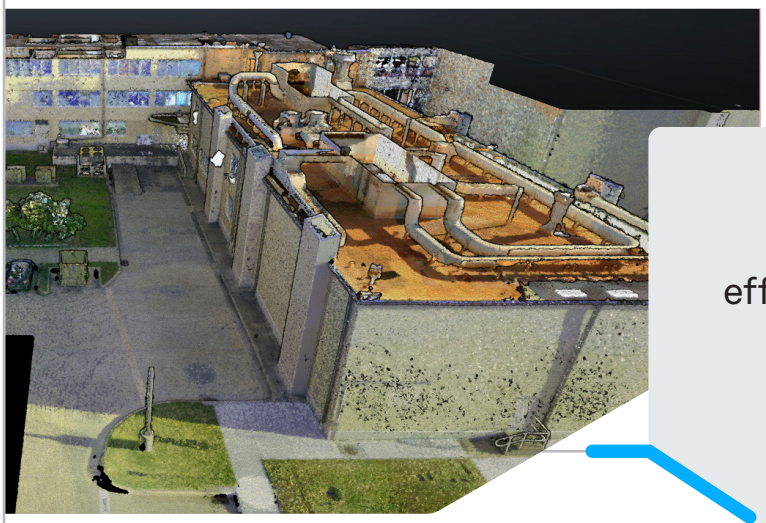
100%

ownership of your data, without compromise

Deviation heatmap for visual accuracy verification

Detect and visualize deviations between as-built conditions and design intent with easy-to-read, colour-coded heatmaps that help teams act fast and maintain quality control.

- Identify out-of-tolerance areas instantly to confirm installation accuracy and catch potential issues before they affect cost or schedule
- Enhance QA/QC processes with visual insights that support precise verification across mechanical, structural, and architectural systems
- Improve collaboration by sharing clear deviation visuals that help field crews, project managers, and owners align on corrective actions
- Stream into Cyclone 3DR to perform QA/QC using the BIM Analysis toolkit, including Deviation Analysis, Progress Monitoring, Clash Detection, Visual Reporting and Tolerance Checking



"Hexagon GeoCloud has made our Scan-to-BIM workflow noticeably more efficient and has greatly improved the way we visualize and share spatial data both internally and externally."

— Hongjia Zho, BIM Coordinator, Texas A&M University

Read more >>

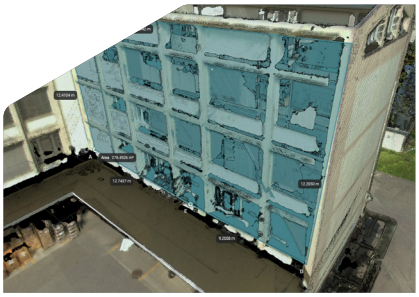
Connect your workflows for better project outcomes



Capture in the field
Capture with ease. annotate with efficiency.

Leverage patented technology syncing sensor and field apps for easy, in-field registration

Annotate while on-site with in-app GeoTag creation, attaching images, video, and more to real-world assets



Manage in the office
Prepare. analyse. deliver.

Finalise your registration and cleanup your data

Analyse data to create reports and deliverables

Publish everything to the cloud



Deliver in the cloud
Collaborate. contextualize. deliver.

Collaborate with stakeholders, create deliverables with AI-powered analytics, and stay connected across field and office

Data-agnostic file sharing combining reality capture and geomatics data in one project

"The most impactful part for us in HxDR Reality Cloud Studio has been the ability to share data easily and allow anyone to view it from anywhere. It has strengthened collaboration across regions and reduced the need for repeated site visits."

– Thomas Coar, Associate Technical Director, Geomatics, Arcadis

Read more >>



Customers have saved up to

£120K

as virtual walkthroughs remove the need for repeated site visits

Get a free demo >>

Secure protection you can trust, built for enterprise control

Scalable collaboration with centralised access to a single source of truth, giving teams the confidence to grow projects with security built in.

SOC 2 TYPE 2 cloud compliance

ISO/IEC 27001-2002 certified

SSO and controlled stakeholder access

Additional resources

Discover how Hexagon GeoCloud helps customers get the most out of their data with a secure, scalable cloud solution that unifies survey and reality capture workflows. By removing data silos, teams improve data utilisation, increase ROI, and make better use of project data—helping projects stay on time, on budget, and aligned from start to finish. Get in touch to see what GeoCloud can do for your projects.

Experience the value of GeoCloud

Watch on-demand webinars and videos to see GeoCloud's latest capabilities in action and understand how they deliver real value across your workflows.

Watch >>

Proven outcomes from GeoCloud Customers

See how customers with similar challenges have navigated complexity to strengthen project delivery and reduce total cost of ownership with Hexagon GeoCloud.

Read Case Studies >>

Talk to a GeoCloud Expert

Get expert guidance on how Hexagon GeoCloud can support your workflows, unlock more value from your data, and drive better project outcomes.

Get in touch >>

See what GeoCloud can do for your business. Save time, reduce costs, and manage all your geodata projects in one intelligent cloud solution.

Visit geocloud.hexagon.com to learn more.

Hexagon is the global leader in measurement technologies. We provide the confidence that vital industries rely on to build, navigate, and innovate.
From microns to Mars, our solutions ensure productivity, quality, safety, and sustainability in everything from manufacturing and construction to mining and autonomous systems.
Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,800 employees in 50 countries and net sales of approximately 5.4bn EUR.
Learn more at hexagon.com

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