

3D LASER SCANNING & 3D PHOTOGRAMMETRY

GPRS

**INTELLIGENTLY
VISUALIZING**
THE BUILT WORLD®



SAVE TIME CUT COSTS & REDUCE CHANGE ORDERS

Accurate measurements help you avoid expensive mistakes, reworks, and change orders. GPRS 3D Laser Scanning services provide 2-4mm accuracy by capturing 2 million data points per second, for efficient planning, design, and construction.

GPRS

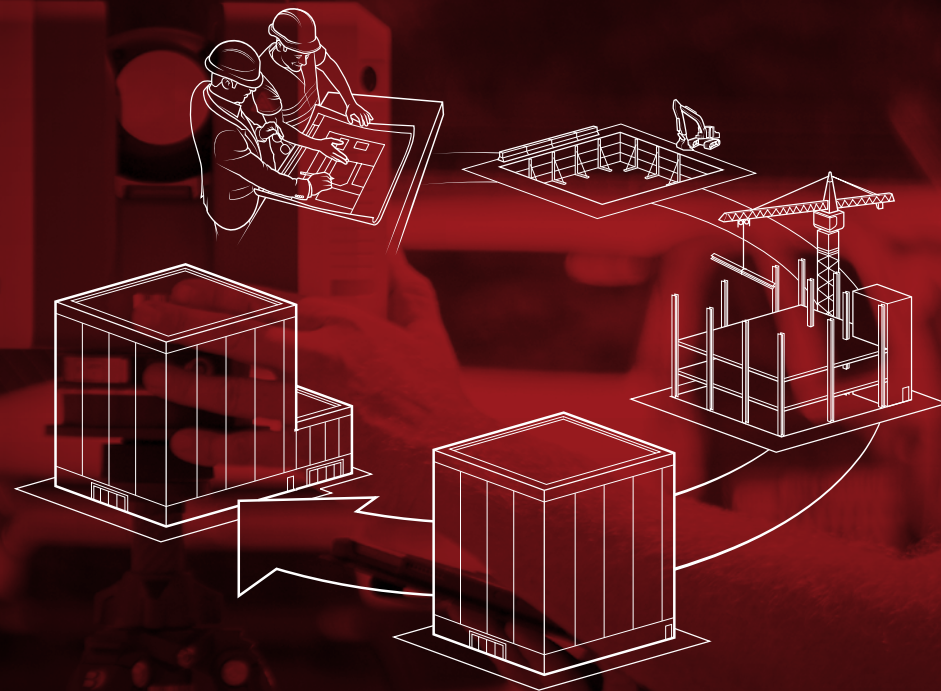


EVERY DETAIL MATTERS PLAN CONFIDENTLY

- 2D & 3D AS-BUILT CREATION
- REALITY CAPTURE
- VIRTUAL DESIGN & CONSTRUCTION
- DIGITAL TWINS
- CLASH DETECTION
- FACILITY COORDINATION
- VIRTUAL WALKTHURS
- FLOOR PLAN CREATION

/// PROJECT CYCLE SOLUTIONS

GPRS CAN PROVIDE SOLUTIONS FOR THE ENTIRE LIFE CYCLE OF YOUR PROJECTS



PLANNING & DESIGN

3D photogrammetry & 3D laser scanning capture accurate existing conditions to aid in planning, design, and off-site prefabrication so you can reduce errors, clashes, and change orders to simplify your workflow. GPRS can capture 2-4mm accurate measurements in difficult conditions, including subsurface infrastructure markings, to provide comprehensive above and below ground site or facility visualization ■

CONSTRUCTION

Knowing what is underneath helps you avoid expensive mistakes. GPRS maintains a 99.8%+ accuracy rating in utility locating & concrete scanning, which, when captured via our 3D services, can give you a digital twin with the most comprehensive existing as-built data available, delivered in whatever customization meets your needs, including progress reporting via ProCap and virtual tours via WalkThru 3D ■

O&M/REMODEL

Renovations, repairs, and ongoing maintenance mean design changes and new excavations through the life of your facility. GPRS allows you to laser-focus your plans with 2-4mm accurate as-builts, CAD drawings, and 3D BIM models that fully integrate your subsurface and aboveground infrastructure to help you detect clashes, and can provide you with floor plans via FLRPLN, so you can target your workflow safely and efficiently ■



/// ABOVE & BELOW GRADE

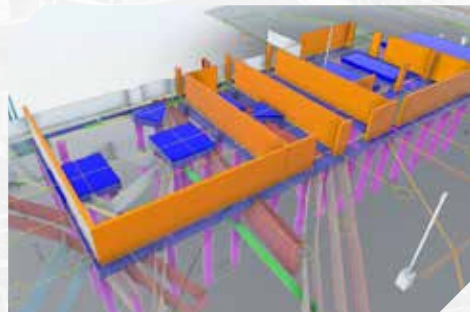


BEFORE YOU PLAN

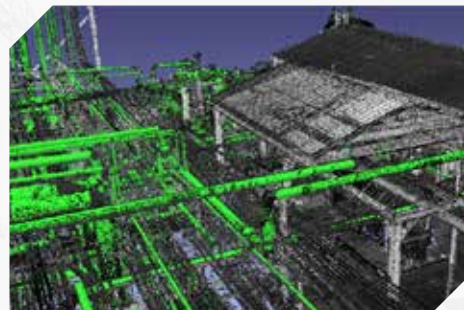
When assessing a site for construction, knowing what's underneath matters. GPRS provides complete subsurface locating and visualization of utilities and other underground features with 99.8%+ accuracy to deliver CAD drawings, GPS-enabled utility maps, or 3D models.

BEFORE YOU BUILD

Integrate your design plan with existing facilities and subsurface infrastructure before you break ground to provide your AEC professionals, subcontractors, and stakeholders with a comprehensive 3D BIM model that melds GPRS' accurate above and below ground data to intelligently visualize existing and proposed features.



/// MECHANICAL | ELECTRICAL | PLUMBING

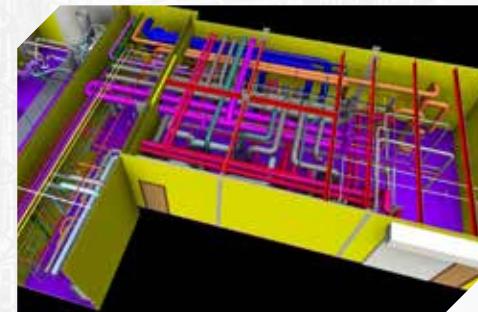


BEFORE YOU DESIGN

Save time & money with 3D laser reality capture of your existing infrastructure and MEP features, including in hard-to-reach or dangerous areas. GPRS captures measurements with 2-4mm accuracy to provide you with 3D data in point clouds, CAD drawings, or BIM models, so you can avoid clashes and plan the most efficient routes for new piping.

BEFORE YOU RENOVATE

Connect the dots between what's visible and what is hidden with updated as-builts that include hard-to-reach areas, and accurate locations of all your above or below ground MEP features. GPRS 3D Laser and Mapping & Modeling services can provide accurate, intelligent measurements of your project, pre or post-build, so no one is left guessing.





/// ARCHITECTURAL & STRUCTURAL

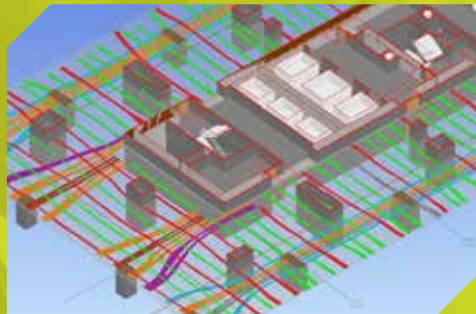


SEE YOUR SITE IN 3D

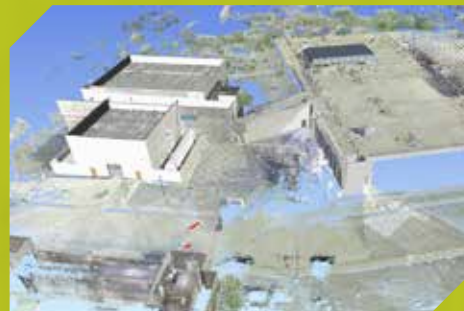
Assess existing structural conditions, walk your team or stakeholders through your project or entire facility, take rough measurements for planning, design, or maintenance, and capture floor plans and construction progress with 3D photogrammetry or laser scanning.

MITIGATE RISK & PLAN

GPRS 3D Laser Scanning services can capture our 99.8%+ accurate concrete scanning marks with 2-4mm accuracy to create a 3D BIM model of the interior of your concrete slabs, including PT cables, rebar, conduit, and other embedments, so you can safely cut, core, drill, or anchor with confidence.



/// POINT CLOUDS



EMPOWER YOUR TEAM WITH RAW DATA

Reference real-time accurate data capture inside 3D point clouds that your own CAD team can turn into drawings, maps, and models, or allow GPRS Mapping & Modeling Services to create a digital twin, a walkthrough tour of your reality capture, or a dramatic flythrough tour for off-site planning and design.

RELY ON PRECISE MEASUREMENTS

Rely on the laser-focused accuracy of GPRS, even in expansive facilities and in the most hard-to-reach, and dangerous conditions. 3D laser scanning data maintains its accuracy in areas that defy traditional measurements to allow for prefabrication, design integration, and planning for expansion & renovation projects.



BUILD AT THE SPEED OF *INSIGHT*

WALK THRU^{3D}

Get existing conditions and area measurements in real time with 3D photogrammetry via WalkThru 3D. GPRS can provide a rectified 3D image that allows you to walk your team, designers, and stakeholders through your site or facility to eliminate excess travel, and streamline communications and collaboration for geographically scattered organizations.

FP FLRPLN

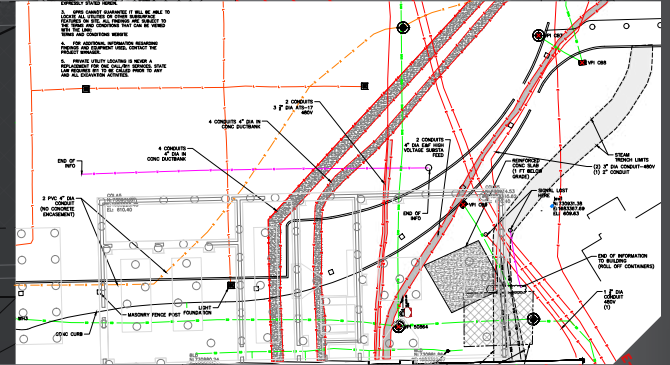
The GPRS Mapping & Modeling Team can take the rectified, real-time 3D photogrammetry from WalkThru 3D to provide you with an accurate plan view of your project to aid planning, design, risk mitigation, and emergency planning.

ProCAP PROGRESSIVE CAPTURE

Capture your construction progress from start through completion with ProCap Progressive Capture. Your Project Manager can capture locations of concrete reinforcements pre-pour, MEP feature installation progress, provide accurate timelines for stakeholders, and key milestone completions to avoid clashes, change orders, and streamline communications.

TRUBUILT EXISTING CONDITION AS-BUILTS

Eliminate outdated and inaccurate as-builts for your existing construction conditions in real time with 2D CAD plan views of your site or facility infrastructure, above and below ground, to break down information siloes and bottlenecks to collaborate with the comprehensive, layered, data.





UTILITY LOCATING



VIDEO PIPE INSPECTION



LEAK DETECTION



MAPPING & MODELING



CONCRETE IMAGING



3D LASER SCANNING

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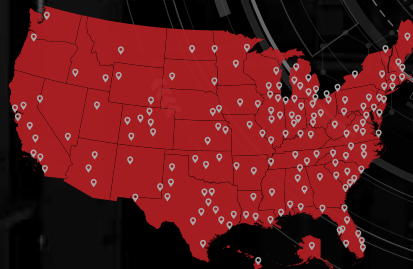
LET'S GET TO WORK

SCHEDULE A PROJECT

GPRS has an unmatched nationwide service network making it easy to find an expert Project Manager in your area. Please contact your local GPRS Project Manager for information, pricing, and scheduling needs.



NATIONWIDE COVERAGE



SCAN TO
FIND A



PROJECT
MANAGER
NEAR YOU