



# 3D IMAGING

GoldenWolf is leveraging 3D imaging and LiDAR technology to create virtual facility environments for use in a variety of unique applications. Virtual scans can be utilized to capture architecture and engineering progress on new construction and renovation projects with direct connection to AUTOCAD and BIM 360 environments.

- 8(a) Certified Small Business
- Service-Disabled Veteran-Owned Small Business (SDVOSB)
- Woman-Owned Small Business (WOSB)
- ISO 9001:2015 Certified

## ALL ABOUT 3D IMAGING

This technology allows for remote facility condition assessments, equipment life-cycle modeling, energy modeling and can be utilized as a facility management tool in complex decision-making scenarios. Highly sophisticated 360-degree cameras allow the capture of accurate high-resolution 3D images that can be easily annotated with modeling software. This feature can be especially useful in visually documenting and verifying facility features such as the magnitude of equipment deterioration, fire and life safety concerns, space utilization and management, project progress. The scan data can also be used to precisely measure architectural features, provide input into Facility Condition Assessments, and provide a remote platform for project planning criteria. Baseline values captured during the initial scan can serve as original benchmarks with subsequent scans showing facility conditions over time. This provides added insight into the performance of the facility and thereby informs the strategic decision-making process on repair and replacement action.

## WHY GOLDENWOLF?

GoldenWolf has the subject matter experts (SMEs), technology, and bandwidth to help our clients reach their mission goals. We have partnered with an industry leader in LiDAR-based Digital Twins to accurately transform your facility into a digital twin.

Thus, providing a point cloud with many use cases – delivered quickly and securely in our FedRAMP High environment. Our engineers have been rigorously trained and understand the value in creating digital twins of facilities.

This value can be transferred to our clients in remarkably more efficient creation of computer aided design (CAD) drawings, reduction of personnel time-on-site, and visual information availability from any geographic location. From creating as-builts in a fraction of the time to providing full virtual walk-throughs, GoldenWolf prides itself on adopting cutting edge technology to offer our clients best-in-class service.

# APPLYING 3D IMAGING TO YOUR ORGANIZATION

The GoldenWolf team works closely with your organization to determine the best application for 3D scanning technology. Whether the technology is used to monitor and augment construction progress, as a facility management tool, or a remote visualization facilitator, GoldenWolf carries the expertise to bring the full capabilities of LiDAR and 3D scanning to your organization in a professional and efficient manner.

We strive to best couple each organization's mission goals with the most cost-effective 3D scanning applications in a manner that recognizes the strategic advantage that LiDAR technology creates.

## LINES OF SERVICE

*As-Built Development*

*Construction Management Services*

*Project Planning*

*BIM Modeling*

*AutoCAD Drafting*

*Facility Condition Assessments*

*Drone Capture Technology*

## CLIENT PORTFOLIO

The GoldenWolf team has supported many federal clients, especially in the healthcare industry, to predict budget issues, identify risk, and provide tools to justify various strategic planning needs.

Through a cooperative partnership with National Atmospheric & Oceanic Administration (NOAA), GoldenWolf will leverage the 3D capture ability of smartphones and specialized 360 cameras to assess specialized NOAA equipment in remote locations. 3D captures will be utilized to accurately populate the BUILDER SMS platform with pertinent asset and condition information.

This unique application of 3D technology will benefit our NOAA partners by reducing unnecessary travel costs, expediting field to platform capture, and assisting with the quality control review process assuring accurate and consistent data collection.

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## CONTACT US

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