

Scanning for Buildings & Services



PDM's scanning system is one of the most versatile LiDAR systems on the market today for the delivery of high density point clouds and colour geo-referenced imagery.

Heritage Site Capture



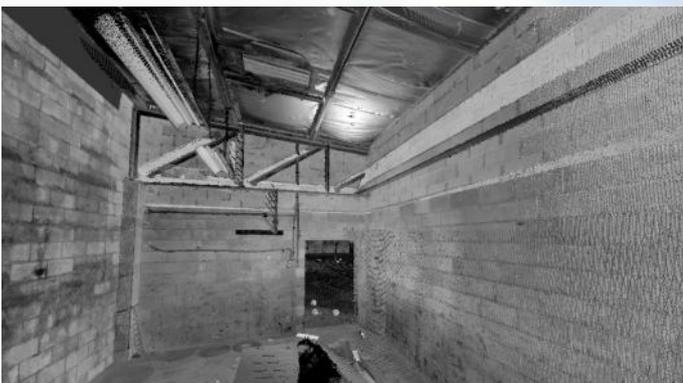
PDM's Scanning System has been deployed on a large range of structures across many different environments. PDM has proven to be able to deliver its clients a high quality product effectively, efficiently and safely.

PDM's commitment to advancements in technology in the field of LiDAR scanning has resulted in process' that allow buildings and associated infrastructure to be captured digitally with a high degree of accuracy and detail.

Building & Services Scanning

Built specifically to address client requirements for speed, accuracy and safety, the PDM Scanning System is perfectly suited for buildings. Able to be deployed in a range of situations and environments, the system collects thousands of points per second, measuring anything in line of sight within a 50m radius of the scanner to create a survey-accurate point cloud. 360° image data is simultaneously captured, producing comprehensive high accuracy data of structures and associated services.

High Density Point Clouds



Increased Safety

In addition to being an extremely powerful measuring tool, mobile laser scanning offers significantly increased levels of safety for operators when compared to conventional measuring methods. In most applications the necessity for elevated platforms or entering confined spaces are eliminated or dramatically reduced in necessity.



As-Built Modelling

Applications of LiDAR Scan Data

As Constructed Capture/Modelling | Surface Modelling

Heritage Site Capture | Building Services Verification

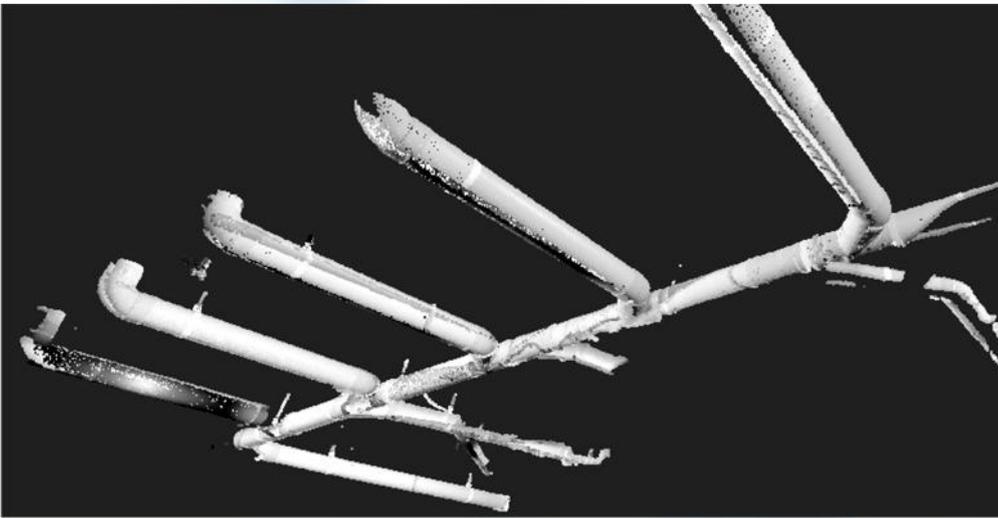
Asset Pickup/Management | Condition Audits

The field of utilizing LiDAR scan data is constantly evolving, with new applications being realized as the full potential of reality capture is unlocked across a variety of fields—and the PDM Scanning team keeps up to date with these new trends and technologies.

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Mobile Scanner

In addition to static scanning the PDM Mobile Scanning System can be utilised to scan larger environments quickly and effectively, perfectly suited for scanning numbers of building facades or open spaces. Able to be deployed on any mobile platform, the systems array of lasers collects thousands of points per second, measuring anything in line of sight within a 100m radius of the vehicle to create a survey-accurate point cloud. 360° image data is simultaneously captured by an array of cameras, producing comprehensive high accuracy data of any area required.

Additionally, PDM's Mobile Scanning System is able to be mounted on the front of our scanning vehicles. This not only gives PDM the ability to better control the conditions of the scans, but allows gravel/dirt heavy environments to be scanned effectively, as conventional rear mounted scanning receives too much interference from rising dust from the vehicles tyres.

The mobile scan can be utilised in conjunc-

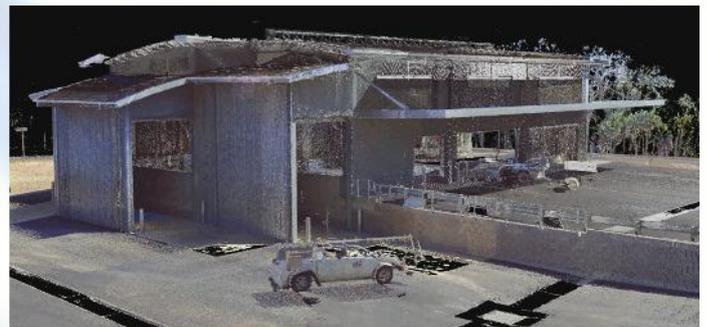
tion with the static scans for a complete digital capture solution.

PDM's Scanning System is a safe, fast, and flexible system that provides highly accurate 3D point cloud data and coloured imagery for a wide variety of applications.



Heritage Building Capture

In addition to a versatile scanning system, PDM's scanning team has a strong background in engineering and modelling. This gives PDM the edge in delivering a product suitable for it's intended task, as there is first hand knowledge in how the data can be utilized in new and existing workflows.



As Constructed Capture



Contact Us

Please contact us if you would like to learn more about PDM's Mobile Scanning System and the output that can be created to suit your needs.

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