

Mobile LiDAR for Reality Capture

Mobile LiDAR (Light Detection and Ranging) Capture involves using LiDAR systems that are hand-held or mounted on moving platforms to collect spatial data. In contrast to the conventional method, Mobile LiDAR is faster and more flexible as it's mounted on moving platforms, and is used when speed is preferred over high accuracy.



THE Applus+ SOLUTION

Applus+ Mobile LiDAR Capture services are a cutting-edge approach to collecting spatial data, offering the advantages of speed, flexibility, and high resolution.

Unlike conventional LiDAR systems that are stationary, our mobile solutions can be mounted on vehicles, drones, or even carried by hand, allowing for rapid data collection in diverse environments. This is particularly useful for projects that require frequent updates or are located in challenging terrains. The data collected is highly accurate and can be used for a range of applications, from urban planning and the creation of digital twins.

Our solutions are designed to offer flexibility and precision, providing high-resolution Mobile LiDAR mapping and asset management capabilities for a wide range of industries.

Target customers

Mobile LiDAR is used for the rapid capture of assets such as construction, building, and major industry facilities. Our services are targeted at industries that are looking to capture spatial models of facilities where you require quick, accurate, and flexible spatial data collection.

Key customer benefits



- The mobility of the system allows for quicker data collection, reducing project timelines and costs.
- The high-resolution data captured is both accurate and actionable, providing invaluable insights for planning and decision-making.
- Additionally, the flexibility of mobile LiDAR makes it adaptable to various environments and applications, from urban landscapes to major industry facilities. This adaptability ensures that you have the most comprehensive and up-to-date data for your projects.
- Mobile LiDAR can be cost-effective, especially for projects requiring rapid data collection over large areas.
- Vast areas can be captured significantly quicker than conventional methods.