

Introduction to Static LiDAR Scanning
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The major sections of the “Introduction to Static LiDAR Scanning” presentation are as follows: scanning background, applications, deliverables, workflow, strengths, weaknesses, and scanning examples.

I will define what LiDAR is and how it works. I will inform the audience of the origins of modern scanning. I will end the section with an overview of the different types of scanners and explain the optimal usage for each.

In the applications section, I will describe several of the applications for the technology and how it can be leveraged. I plan to focus on the terrestrial applications so as to keep the presentation pertinent to the overall seminar.

I will describe the different types of deliverables and the importance of understanding the end use and client expectations. I will also point out some pitfalls, tips and best demonstrated practices.

I will describe the following topics: survey control, field scanning strategy, data download, and office processing.

I will discuss the strengths of LiDAR scanning, in particular I will address the value of scanning in terrestrial applications.

I will discuss some of the limitations of LiDAR scanning and situations to be aware of during the data collection and processing phases.

I will provide some Fisher examples and examples by others highlighting how the technology is being leveraged in the industry.