



CANYON LOGICS

Company Profile



SERVICES

Canyon Logics is an exciting and creative solution-driven firm providing 3D laser scanning and building information modeling services. We can help you increase efficiencies through sustainable asset management that represents the real world in a 3D environment for detailed analysis and accurate documentation.

Canyon Logics has a proven history of providing cost efficient, functional and sustainable solutions for clients based on more than 25 years of spatial information systems and project management experience. We implement projects on time, on budget and achieve all project objectives.

Using 3D laser scanning technology, Canyon Logics captures the interior and exterior of buildings, bridges, dams, mining operations, landfills, monuments and accident scenes in a cost effective manner for analysis, historical records and life-cycle management.

Canyon Logics' services are of interest to architects, engineers, real estate agencies, property managers, emergency services, mining operations, planners and historians for:

- Construction / Renovation Contract Management
- Condition Assessments
- Space Use Analysis
- Energy Analysis
- Accessibility Analysis
- Streetscapes
- Site Plans
- Volume Calculations
- Surface Analysis
- Forensic Reconstructions
- Furnishing Inventories
- Utility Pole and Line Assessment
- 3D Visualization
- Historical Records

Canyon Logics reduces the cost of gathering spatial information while also greatly improving analytic capabilities, resulting in informed decision making.

Thank you for taking the time to consider Canyon Logics' services.

Regards,



Scott McKeever, Owner
Canyon Logics

COMPANY DESCRIPTION

Canyon Logics is a leading 3D Laser Scanning and Building Information Modeling company. We strive to clearly understand and implement solutions to meet each client's specific business needs, and then invest in the skills and technology to ensure our clients achieve the highest possible return on their investment.

Founded in 2009, Canyon Logics is a privately held company.

COMPANY PHILOSOPHY

Canyon Logics' philosophy is to provide unique and meaningful value to staff, colleagues and customers. We strive to achieve this by nurturing an environment that supports risk-taking, and invites the creation and sharing of innovative ideas. Putting our values of imagination, positive spirit, respect, accountability and integrity into action enables Canyon Logics to build long-term relationships with customers and attract the best resources in this growing industry.

COMPANY CONTACT

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MEET THE TEAM

Scott McKeever, Owner

Scott McKeever, the founder of Canyon Logics, has more than 30 years experience in senior level management and spatial technologies. He has watched 3D Laser Scanning and point cloud technology mature and reach the stage where they are an integral part of understanding and analyzing the real world. His network of contacts is extensive, and shares a common thread of trust and respect for Scott's ability to respond to their real business needs rapidly and respectfully. Contact Scott at 613-483-1363.

Mark Gibson, MBA, Business Development

Mark Gibson, responsible for business development, brings 30 years of experience in technical sales and building successful businesses. His passion for customer service is matched by his desire to get the job done well. The people in his network turn to him for trustworthy information, a sense of perspective in rapidly-changing environments, and his ability to summarize their goals in a given project. His clear explanations will help you understand the different ways in which Canyon Logic's tool set will help you accomplish your goals. Contact Mark at 613-453-7674.

PROJECT HIGHLIGHTS

Municipality of Rideau Lakes Provide Inventory of 11 Bridges, 7 Community Centres and 3 Operational Garages

Through 3 separate contracts, Canyon Logics scanned the majority of the structural assets of the Township of Rideau Lakes for the purpose of building an accurate and functional 3D point cloud inventory.

The Municipality is realizing a significant return on their investment by using the point cloud data for condition assessment, contract management, and to create floor plans for emergency plans and engineering studies.



Municipality of Rideau Lakes Capture Community Centre from Point Cloud to AutoCAD Drawing

Canyon Logics created a detailed AutoCAD drawing of the Municipality's community centre for the purpose of conducting an engineering study. The resulting AutoCAD drawing represented all of the features in the building, including ceiling and window details and variations in stair sizes within 1cm accuracy.

The resulting drawing provides the municipality with critical information for emergency planning and will continue to provide cost benefits throughout the life cycle of the building.



City of Kingston Inventory and Access Mapping of an Abandoned Building

The City had an abandoned building that was unsafe for emergency services to enter, but appeared to be used by squatters. There was no light or electricity on site. Canyon Logics was hired to scan the inside of the building in order to identify the internal features and any obstacles, both to facilitate an eventual sale and to prepare for a safe entry if needed by emergency services.



City of Kingston Historical Record and Inventory of Council Chamber

The City of Kingston's Council Chamber is historically important and beautiful to look at. It has undergone many restorations and renovations over the years, and is challenging for contractors who have to make additions or alterations. The 3D point cloud made by Canyon Logics will increase the accuracy of work estimates and reduce the cost of measurements, provide compelling web-based 3D visualizations for the public, and permit the staff to inventory the furnishings and better assess the use of space.



Public Works and Government Services, Government of Canada Detailed Measurements of the LaSalle Causeway Bascule Lift Bridge

Previous measurement attempts had yielded inconsistent results, so Canyon Logics was asked to develop the specialized equipment needed to create accurate point clouds identifying all of the relevant structures of this bridge when lowered for use by traffic, when fully raised, and when raised only 1.5 metres. Strict tolerances for point density were provided, which were exceeded, and very tight timelines had to be respected for scanning during the night. This project has opened up several extremely productive avenues of analysis for the Public Works engineers.



Department of National Defence 3D Laser Scanning Workshop

Canyon Logics prepared and delivered a 3D Laser Scanning Workshop at DND's Building Information Modeling Conference. The Workshop, which was delivered to attendees from Canadian Forces bases across Canada, provided a detail lesson on how 3D laser scanning works, skills required, issues to consider, and how the technology can be applied to developing and maintaining an accurate and sustainable as-built asset database.

Department of National Defence On-Site Training in Laser Scanning for Building Information Modeling

Canyon Logics provided 3D Laser Scanning Training at Canadian Forces Base Wainwright, AB. The Training included hands-on training on how to develop a scanning plan, scan a building, post-process the data into a point cloud dataset inserted into AutoCAD, and compare the point cloud to existing as-built AutoCAD drawings.

City of Cornwall Volume Calculations of their Landfill Site

Canyon Logics completed detailed 3D laser scanning and created a digital terrain model of the City of Cornwall's landfill site for detailed volume calculations. The 400+ scans were stitched together and positioned to ground control to permit annual scanning of specific site areas. This allows for monitoring of volume changes and to provides an accurate record for contract supervision and life-expectancy forecasting.



Canadian Wollastonite Volume Calculations of their Open-Pit Mine

Canyon Logics provides ongoing 3D laser scanning of Canadian Wollastonite's mining operations, performing volume calculations after blasting and the removal of materials from the site, and providing an accurate record for monitoring contracted services and operation planning.

Contact Canyon Logics for a more extensive list of successful projects, including, but not limited to scanning dams, cemeteries, historical and condemned buildings, industrial facilities and municipal infrastructure.