

Time Limits, Use Limits and Pricing - Everyone wants a piece of the curb!

AI empowered 3D mapping and reporting technologies are changing curb management by providing near-real-time, highly detailed, and immersive information. High resolution georeferenced imagery tied to an asset identified from LiDAR is providing decisions makers with a level of accurate, reliable data and current data not available before.

Lux Modus brings the latest 3D mapping technology for all levels of government, agencies and service providers for asset management, including curb management. Your curb management data collection program can easily be paired with other mapping programs, such as pavement management, building compliance or digital twin and as-building to reduce overall costs and maximize your collection efficiency.

Digitize and Centralize Your Data: 3D mapping enables the digital twin of your road networks, easily integrating with enterprise data management systems and workflows across all your assets.

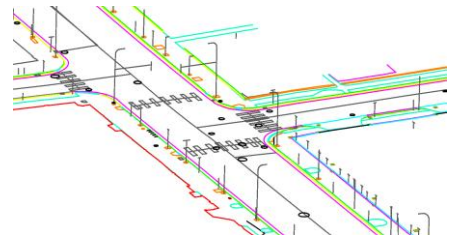
Visualize Your Data: 3D mapping data is easier for stakeholders to understand as it provides context to assets in the environment. Detailed geographic and contextual 3D data supports resource allocation, stakeholder engagement and safety planning.

Make Informed Decisions: 3D mapping supports data driven approaches in planning and decision making. Our data is consistent, reliable, standardized, and can be collected easily on a regular basis.

Increase Cost Savings and Efficiency: Lux technology consolidates data into a common frame of reference. Use on its own or integrate with your existing pavement management systems, enabling reduced waste and costs, throughout the life cycle of your road assets.



Time and Use Limits



As-Building of roadside assets and urban infrastructure



Urban Digital Twin

A 3D Digital Twin is more than point clouds and images. It is GIS and CAD data, ready to be consumed via web maps and desktop or enterprise geospatial systems.

*Headquartered in Calgary, we are Canadian owned and operated.
All our engineering, manufacturing, and testing happens here in Canada!*



The Lux Modus platform:

Affordable, easy-to-use, built for Canada

- Designed for the harshest environments
- Data viewable within minutes of upload
- No special training or software required
- Near-real-time high-definition 3D mapping
- Ultra-high-resolution imagery and LiDAR
- Low-cost hardware for purchase or lease
- Automated cloud processing
- Set-up in minutes or permanently mounted
- Flexible all inclusive lease rates ensuring affordability

Lux Modus is a technology company providing a low cost, easy-to-use 3D mapping system, working to democratize 3D data collection. Our collection platform is self-contained and can be mounted in many configurations depending on your mapping needs. Our one-touch data capture technology frees the user from having to manage the system while travelling the collection area.

Consisting of a high-density, digital LiDAR and three to six 12 MP cameras, LuxGear creates super rich contextual 3D maps at a price and speed not previously available.

A fully integrated 360° spherical camera system is also available with our platform.

Easily mount the LuxGear on any vehicle, plug in to a power source in the vehicle and press record to start the data collection.

Once the data collection is complete, the data uploads directly to our secure LuxCloud for processing. All data is instantly processed and colourized and is viewable in our LuxWeb 3D viewer within minutes.

Collect



Compute



Consume

