

Level Up Your Asset Management Data with the Power of 3D Mapping

AI empowered 3D mapping and inspection technologies are enhancing Asset Management and State of Good Repair reporting by providing near-real-time, highly detailed, and immersive information. Lux Modus brings the latest proven technology, for use in all levels of government, agencies and service providers in the infrastructure industry.

Customers use our technology to generate actionable information from 3D data for all types of major assets.

- **Inventory Your Assets:** Rapidly scan and image your assets and automatically extract their attributes.
- **Assess the Condition of Assets:** Turn data into information and generate standardized reports using AI and advanced analysis.
- **Understand your Asset Costs:** Accurate geospatial data and high-resolution imagery provides insights into impacts on lifecycle costs.
- **Digitize and Centralize Your Data:** 3D mapping creates a digital twin of your assets and enables enterprise data management practices across your asset information and reporting systems.
- **Interoperability to Remove Silos:** Inherently digital in standard formats - leverage your LiDAR and imagery in any geospatial and engineering software.
- **Visualize Data for Stakeholders:** 3D data is easier for stakeholders to understand as it provides context to assets in the environment.



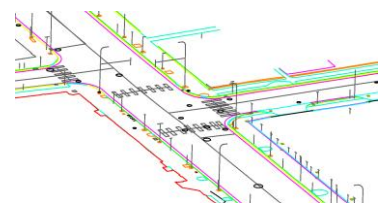
*Rail and Transportation
Mapping and Inspection*



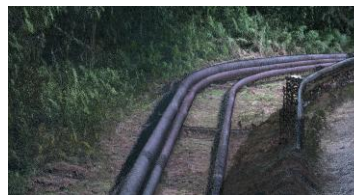
Urban Digital Twin



Curb Management



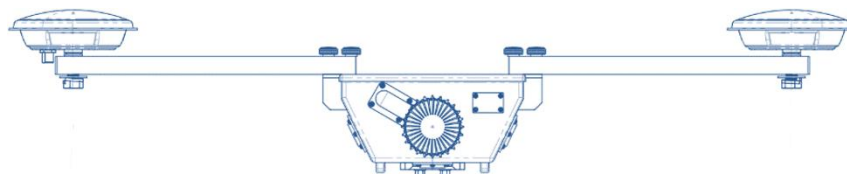
As-Building



Pipelines and Subsurface Utilities



Pavement Management



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

