

The LuxGear platform is ideal for:

- *3D infrastructure mapping*
- *Asset inventory and inspection*
- *Pavement and Curb Management*
- *Reclamation / environmental monitoring*
- *HD semantic mapping*
- *3D environment generation for training and entertainment / gaming*



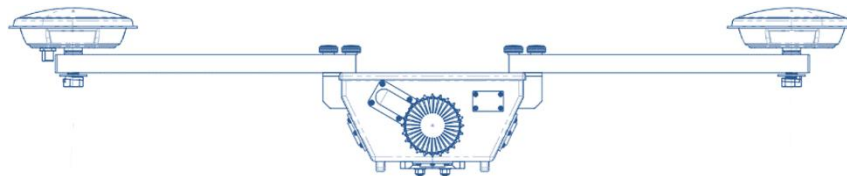
Lux Modus is a technology company democratizing 3D data collection by providing a low cost, easy-to-use 3D mapping ecosystem. Our collection platform is self-contained and can be mounted in many configurations depending on your mapping requirements. Our one-touch data capture technology frees the user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

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

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

After data collection is complete, the data is uploaded directly to our secure LuxCloud for processing. All data is automatically processed and viewable in our LuxWeb 3D viewer within minutes.

Once base station data is provided, the point clouds can be colorized, finalized and ready for download. Users only pay for data they use, reducing cost and providing more flexibility to their project needs.



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.



DEMOCRATIZED 3D MAPPING

Lux Modus brings 3D mapping to everyone through ease of use and affordability.

By internalizing data processing and removing the need for specialized training, Lux Modus has made it possible to quickly and easily incorporate 3D mapping into your operations.

Lux Modus is composed of three core technologies: the **LuxGear** hardware platform; **LuxCloud** for automated data processing; and **LuxWeb** – the 3D point cloud and imagery viewer.

Collect



Compute



Consume



The LuxWeb 3D visualizer enables users to view and all LiDAR and geo-referenced images and allows for tagging, commenting, and adding attributes, as well as GIS data for context. It is also where data management tasks are completed.

LuxWeb also offers a range of measurement and analysis tools, plus the ability to monitor data collection progress as it happens.



Lux Modus is your ideal 3D mapping technology partner. Whether you are mapping the built environment, transit, utility infrastructure, pipelines or natural areas, the LuxGear platform can capture what you need at the touch of a button. LuxCloud completes the processing in minutes, saving you time and money.

