

An aerial view of a city with a color-coded point cloud overlay representing mobile mapping data. The colors range from blue (low elevation) to red (high elevation), with green and yellow in between. The overlay shows a dense network of roads and buildings, with some areas appearing more brightly lit than others, possibly indicating higher data density or specific features like trees or roofs.

# Everything Mobile Mapping

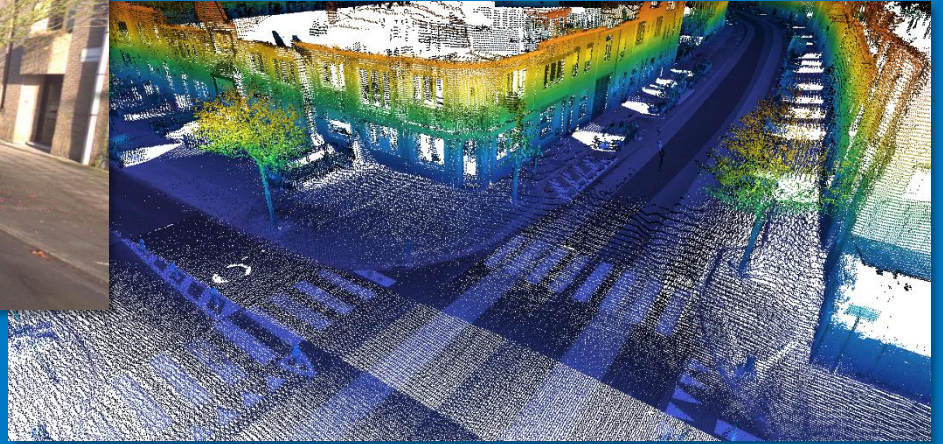
***Orbit GT***

*GeoBusiness, London 2016*

Mobile Mapping brings the full representation of 3D reality onto the desktop, using sensors mounted on a mobile vehicle (car, train, boat, bike, uav, even a person).



# Result : Full 3D View in 360° imagery and LiDAR



with exact positioning and measurement capabilities

# What can we do with it ?

- Reduces field trips
- Extraction of road infrastructure
- Inventory of assets
- Visuals checking and judgement
- Placement checks
- Evaluate trenching options (ground works)
- 3D Analysis (Line of Sight)
- And much more

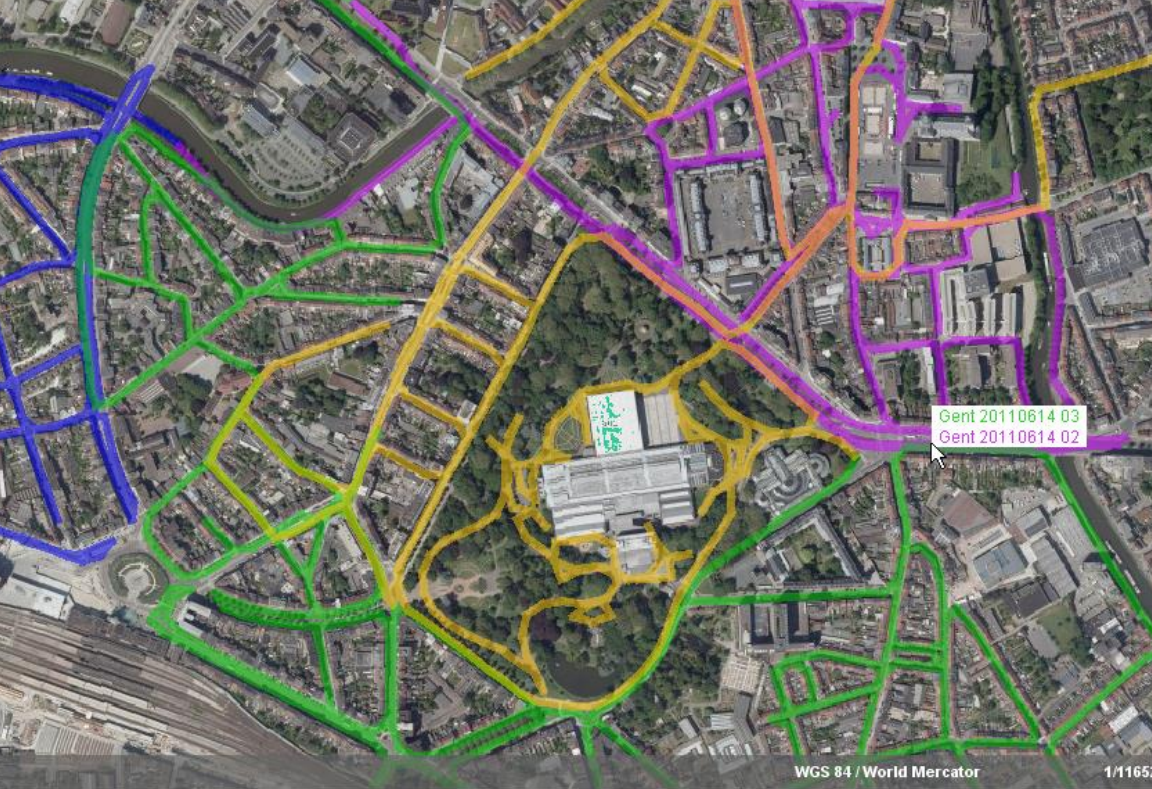
A TYPICAL  
***MOBILE MAPPING  
JOB***



**HARDWARE  
SETUP**

**WITH  
IMAGERY**

*Including  
Spherical*



# PLANNING

# JOB CONTROL

# DATA DELIVERY

*\* No Data or System limits*

Q Gent

Collection date	Status	Sphericals	Planars	Point Cloud	Total
2011/06/14	In process		4459	0	134 m
2011/06/14	Imported		3306	0	82 m
2011/06/14	Imported		6368	0	130 m
2011/06/14	Imported		6230	0	158 m



**MEASURE**

**EXTRACT**

**ANALYSE**

**SHARE**



# LIFE OF MOBILE MAPPING CONTENT

*COLLECT / PRODUCE*  
> CONTENT MANAGER

*EXTRACT / PROCESS*  
> FEATURE EXTRACTION

*SHARE / DELIVER*  
> PUBLISHER

<https://www.youtube.com/watch?v=B5PM6dbtwQg>

*COLLECT / PRODUCE*  
> CONTENT MANAGER

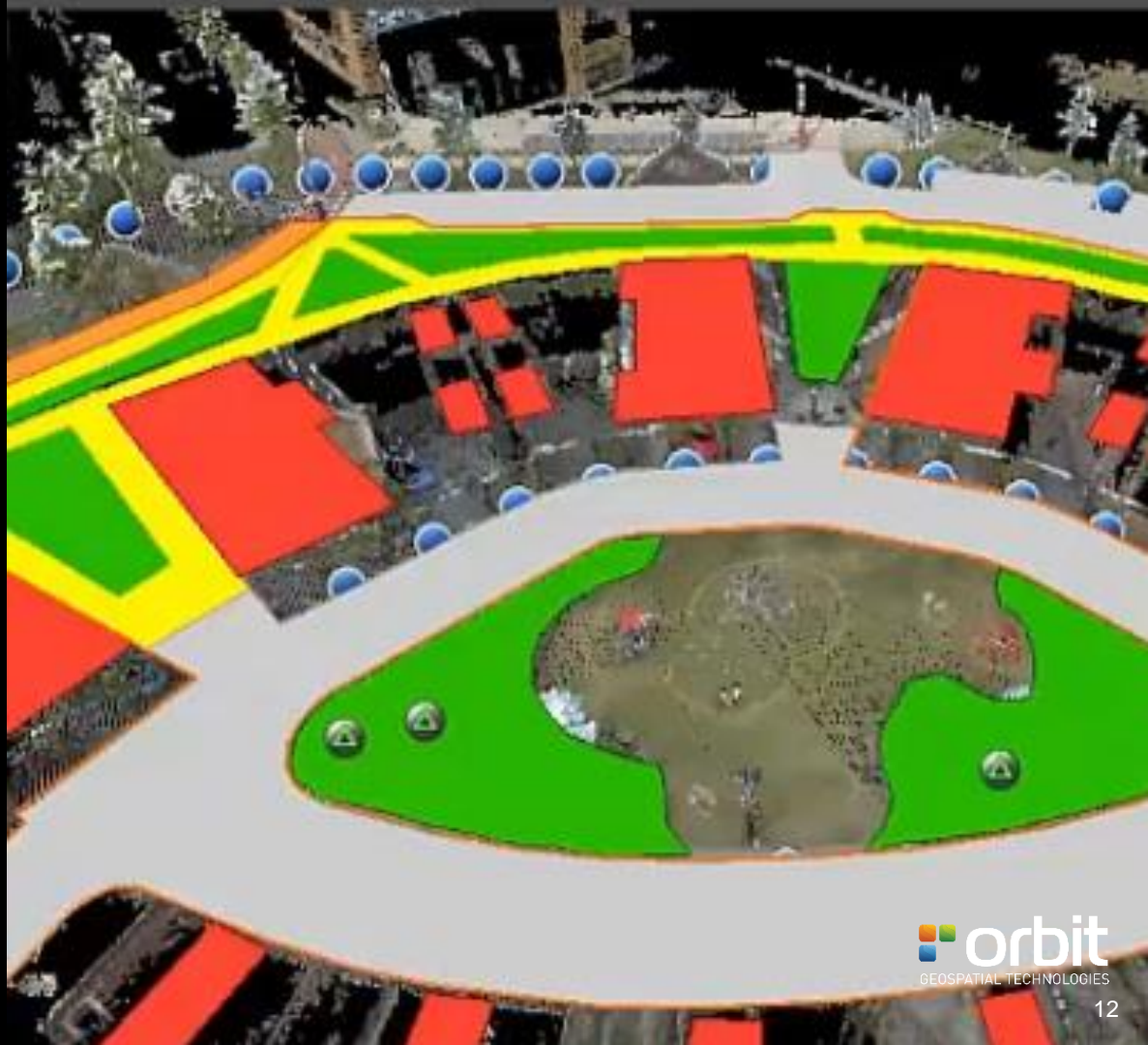
# DELIVERY

**Clean & Correct  
Image and LiDAR  
No Overlaps  
Ready for next steps**

# FEATURE EXTRACTION

Basic &  
Advanced

*Workflows &  
semi-automated  
processes*



[https://www.youtube.com/watch?v=ciu0vS3N1\\_A](https://www.youtube.com/watch?v=ciu0vS3N1_A)

*EXTRACT / PROCESS*  
> FEATURE EXTRACTION

# DELIVERY

**GIS Data**  
**CAD Data**  
**Analysis**  
**Reports**

**PUBLISH &  
SHARE  
ONLINE**



<https://www.youtube.com/watch?v=g3aO-PDQXlo>



<https://www.youtube.com/watch?v=JYNjYZGX-t4>



*SHARE / DELIVER*  
> PUBLISHER

# DELIVERY

**Make MM Content  
useful to thousands**

**Repetitive Business**

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## FIVE TAKE-AWAYS

- 1. CONTENT MANAGEMENT***
- 2. FEATURE EXTRACTION***
- 3. HIGH-END DESKTOP***
- 4. PUBLISH ONLINE & INTEGRATE***
- 5. NO LIMITS***

# THANK YOU

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