





DRONECON 2016

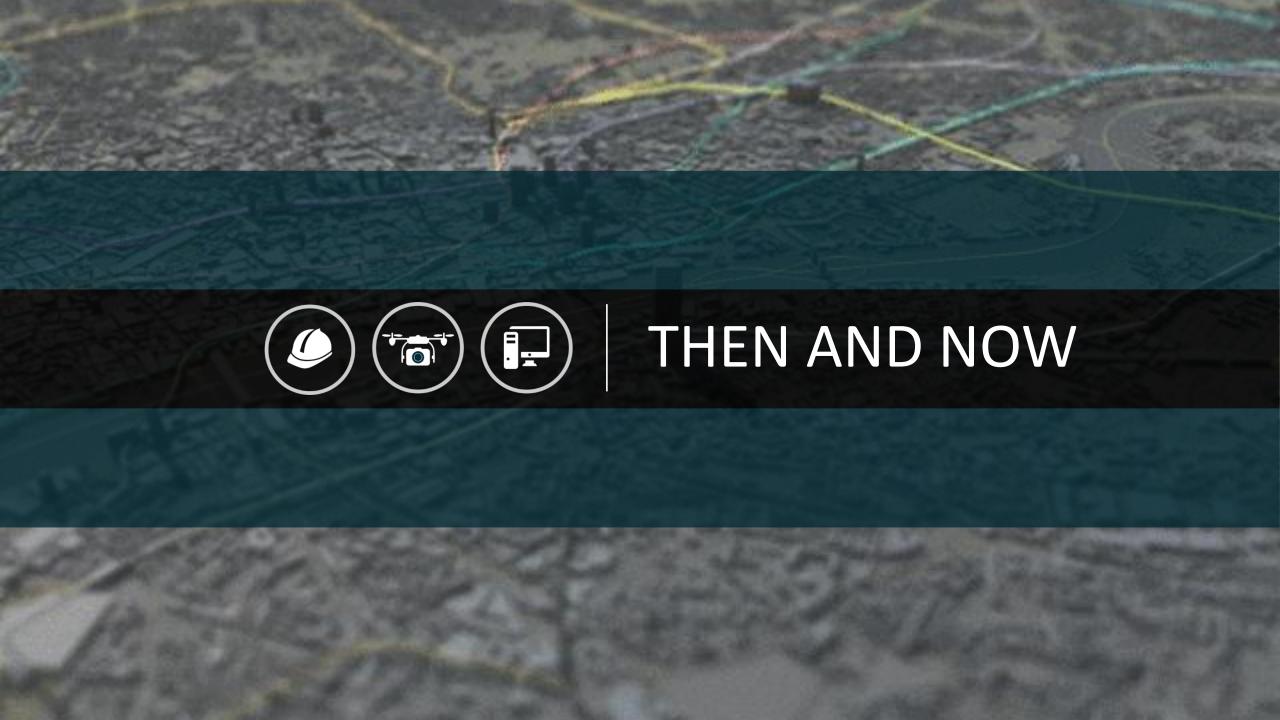
Drones in Municipalities



iGlobe – A Background







Then and Now

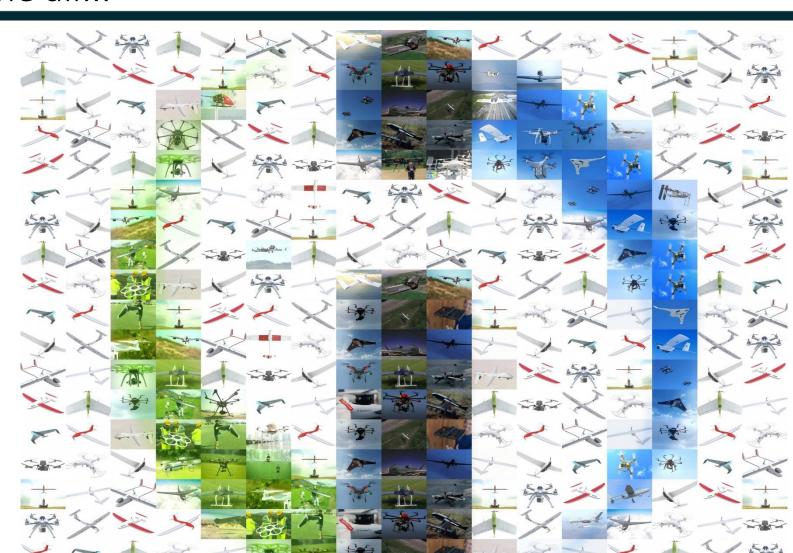




Acquisition Tools

Solution	Advantages	Limitations	Value of information
Total Station	Reliable – Widespread - Price	Only distance and angle measurement Work disruptive	Low: distances & angles
Laser Scanner	3D – High local precision – instantaneous	Monochromatic – Requires calibration & training – Limited density - Price	High: 3D point clouds
Depth field camera	3D – Real time – Price - Texture	Low precision – Indoor only – Proximity to the scene	Very High: colored point cloud (→textured mesh)
Camera / Photogrammetr	y 3D – Texture – Precision – Price – Widespread – No training – No calibration – highly portable	Not real time	Very high: georeferenced textured mesh (→ 3D colored point clouds, DSMs, Orthophotos)

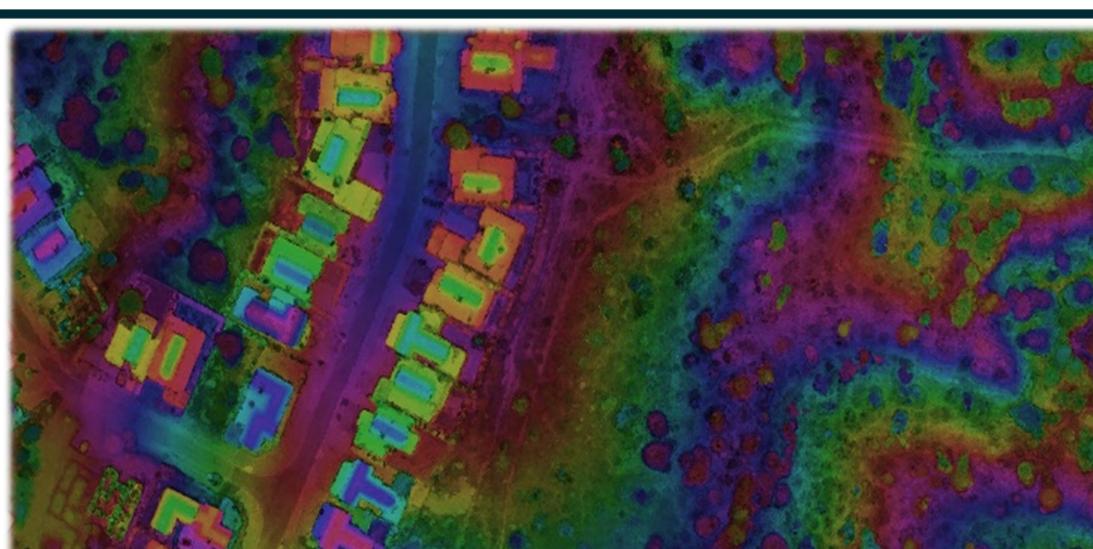
Camera in the air...







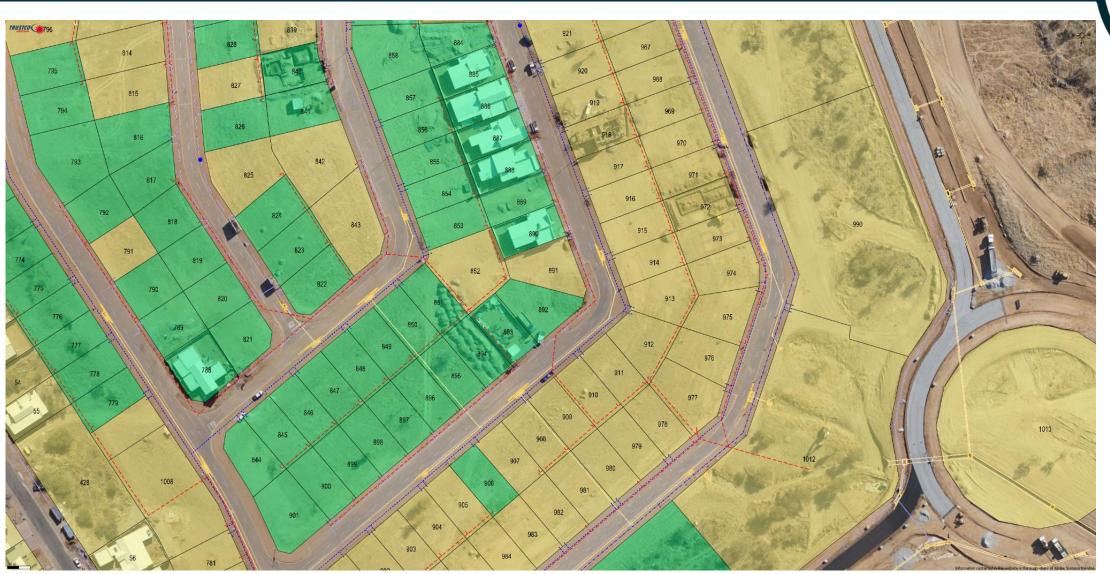
Case Study - Namibia





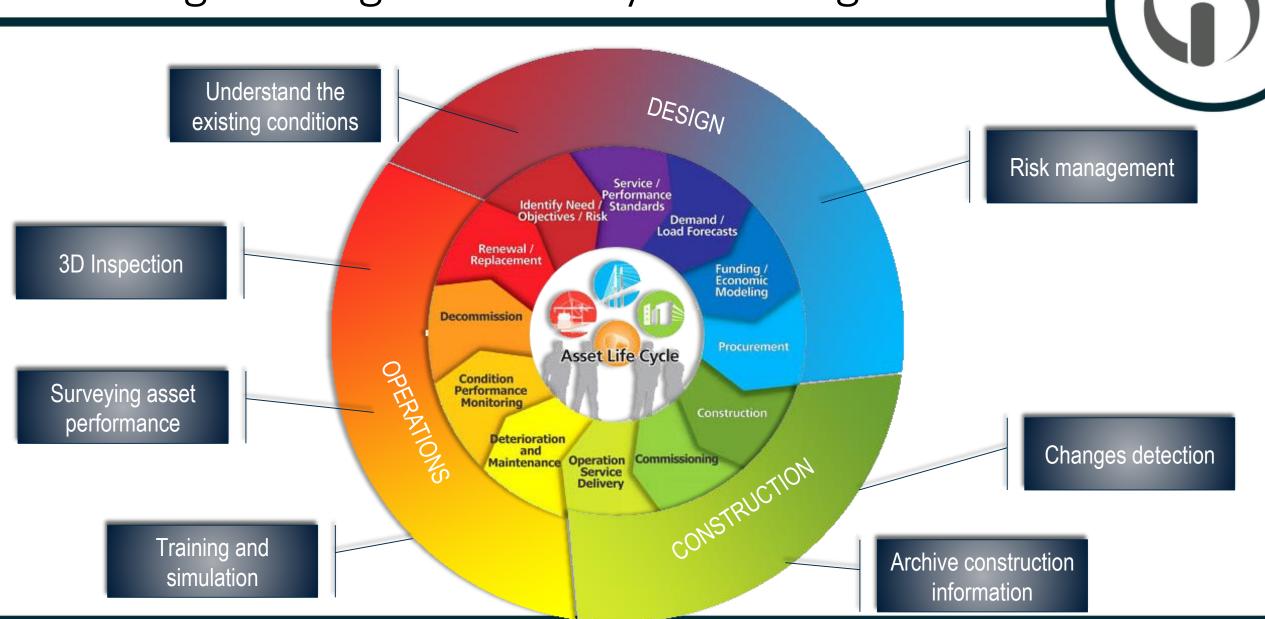
Case Study Namibia







Geo-Engineering with Reality Modeling



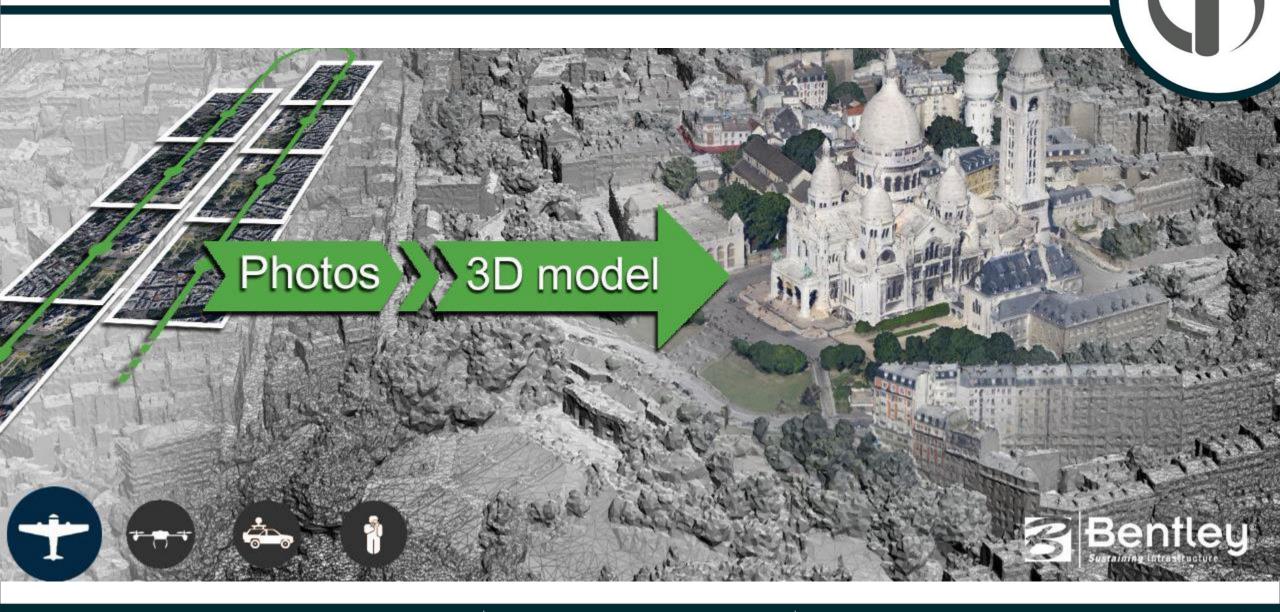


Geo-Engineering with Reality Modeling





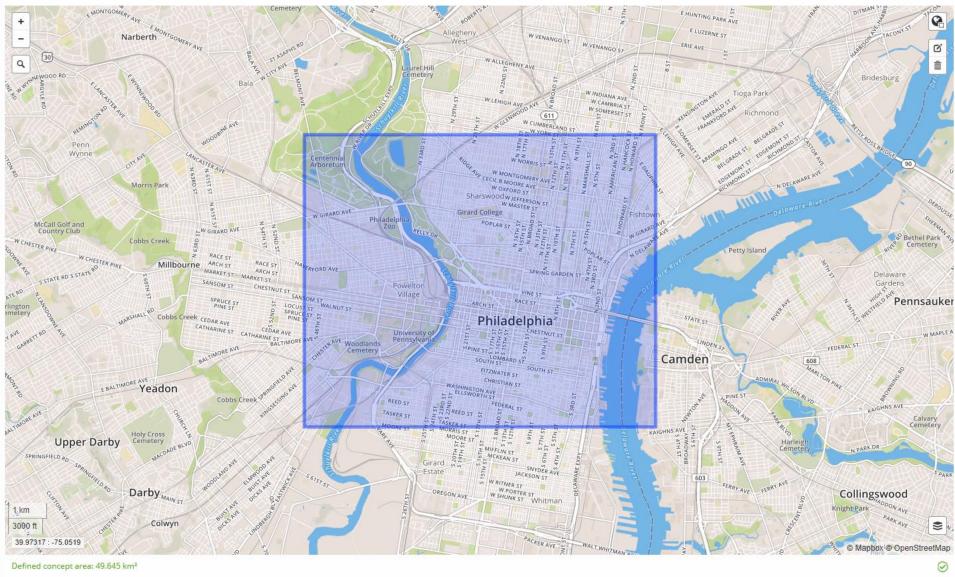
From Cities...





OpenRoads ConceptStation CONNECT Edition Technology Preview Philly.dgndb

€ GeoCoordination Services

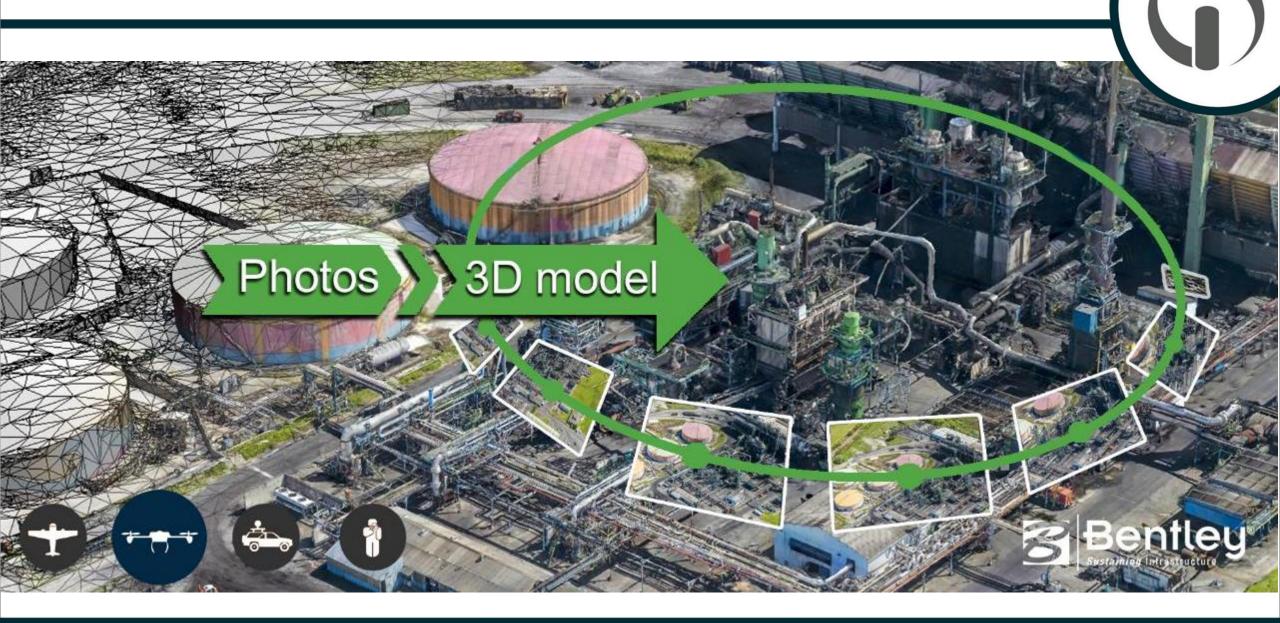


Data classes

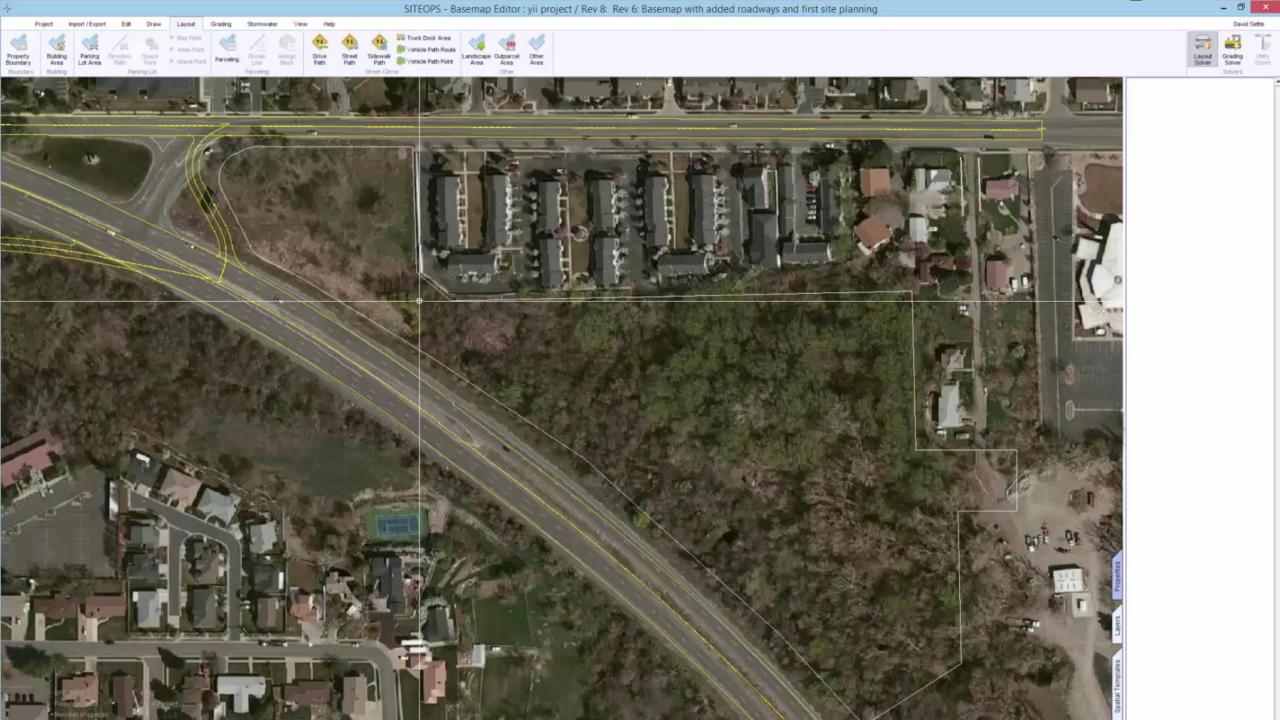
Select classes of data that the import should return, at least one class must be selected.

Terrain		~
Imagery		•
Roadway		•
Building		•
Undralam	N	

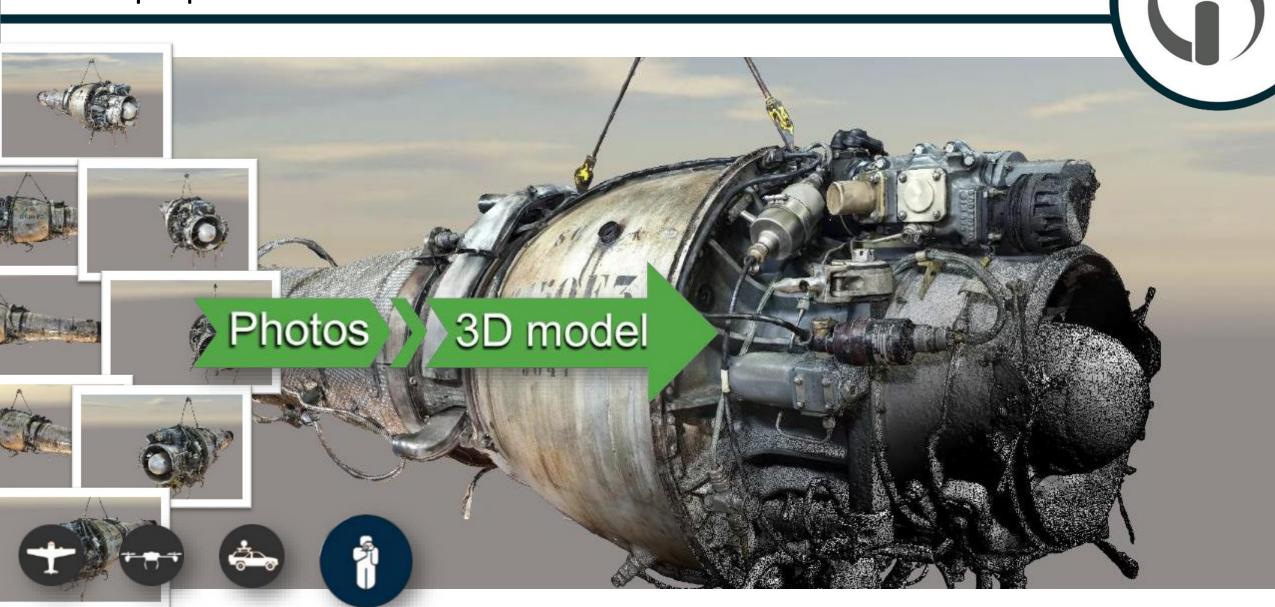
...To Sites...







To Equipment!



Asset Management







THANK YOU

CENTURION

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