

Power from data; Innovative collection projects for smart city applications

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Speaker and Company Background



KINROSS, GHANA Aerial survey of gold mine near Kumasi - for digital mapping data used for future planning of mine sites and volume calculations of stockpiles.



LESOTHO, AFRICA Topographical surveys and as-built drawings of school sites.



ESKOM MAJUBA POWER STATION, SOUTH AFRICA Measuring and checking alignment of newly built silo platforms; surveying at heights of 75 metres and over.



DURBAN TO JOHANNESBURG, SOUTH AFRICA New Multi-Purpose Pipeline, Topographical surveys and underground detection to assist construction.

Aerial LiDAR Surveys for

topographic mapping.



INDIA Mobile Laser Scanning survey of 2,500km of existing road corridors across 33 cities. Raw data was processed to produce a dense streetscape pointcloud to assist construction of proposed Optical Fibre Cable routes.







SINGAPORE Mobile Laser Scanning Survey of entire 5,500km road network for Singapore Smart Nation Initiative.



PAPUA NEW GUINEA Using a combination of physical field surveys, Airborne LiDAR and high resolution satellite RaDAR data, AAM compiled a comprehensive database of aeronautical information for Papua New Guinea's 29 major airports.



WELLINGTON AIRPORT, NEW ZEALAND Developed a cloud-based, web mapping platform to enable maintenance work processes, improving safety and reducing operational risks.



ULURU, AUSTRALIA Survey of boundary definitions for Mutitjulu, Community traditional land owners



MELBOURNE, AUSTRALIA Scanning and 3D Modelling of Flinders Street Station for rejuvenation project.

















Theme







Example - Trees

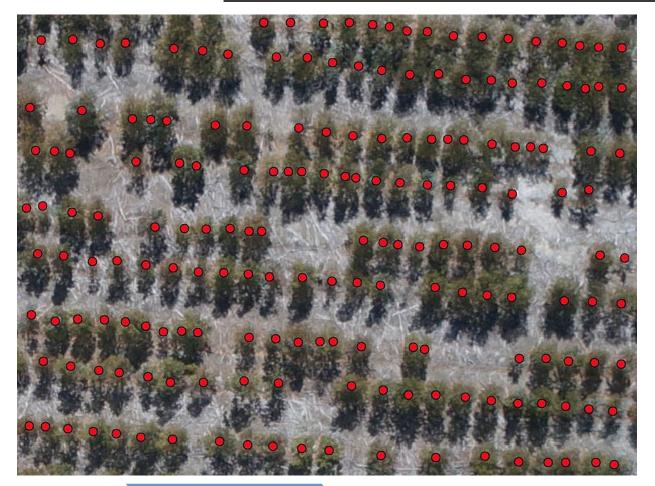








Example - Trees

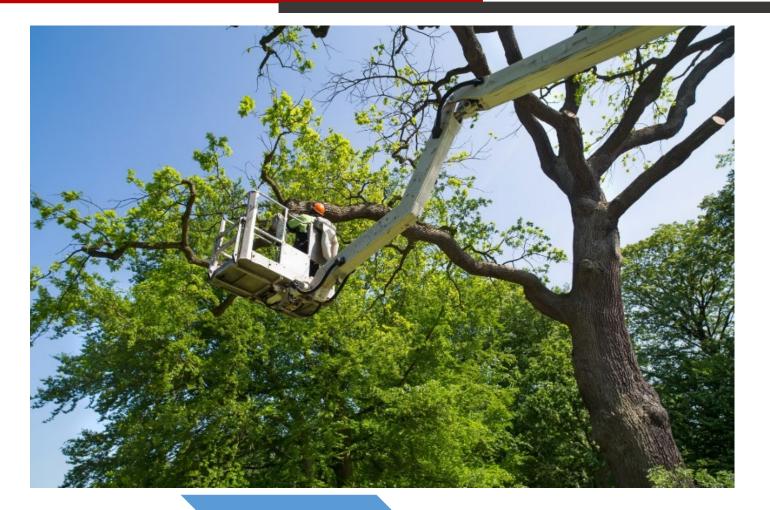








Example - Trees



Outcomes

Contractor Management





Example - Rehabilitation

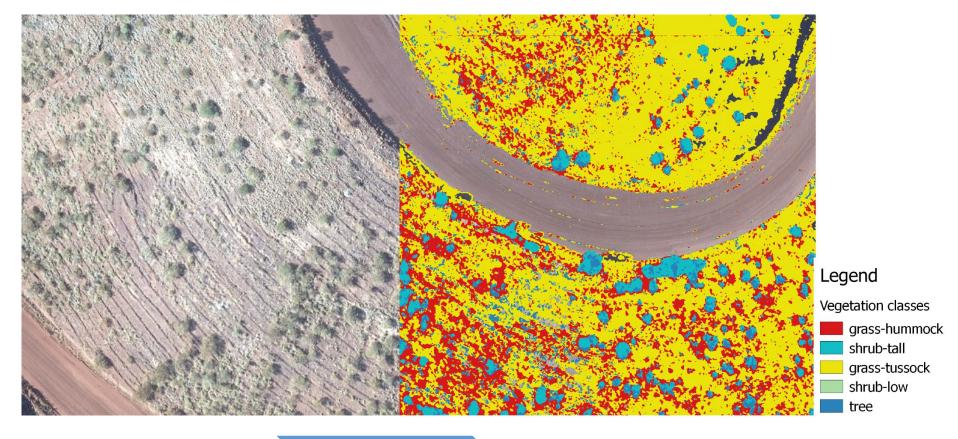








Example - Rehabilitation









Example - Rehabilitation

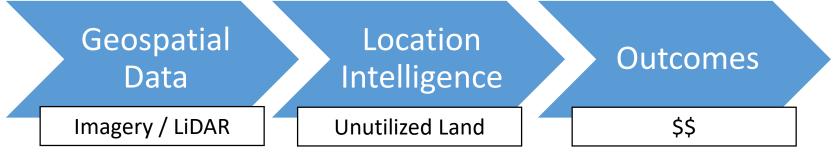






Example - Forestry

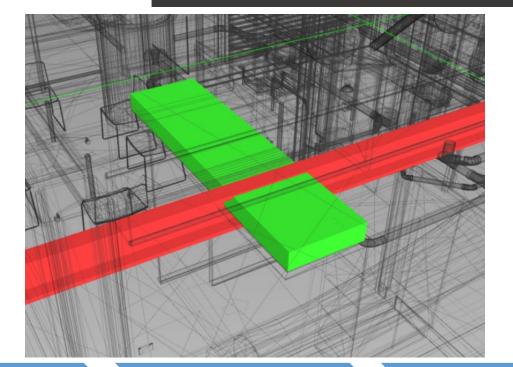


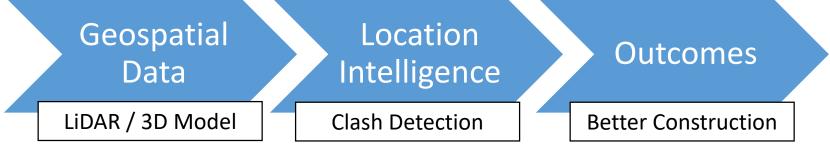






Example - Construction









Example - Farming







- Focus on outcomes what are the key challenges that businesses, governments and societies are facing / will face in the future?
- How can geospatial / location data be combined with emerging technologies (IoT, Blockchain etc) to address these challenges





Questions for the Audience



