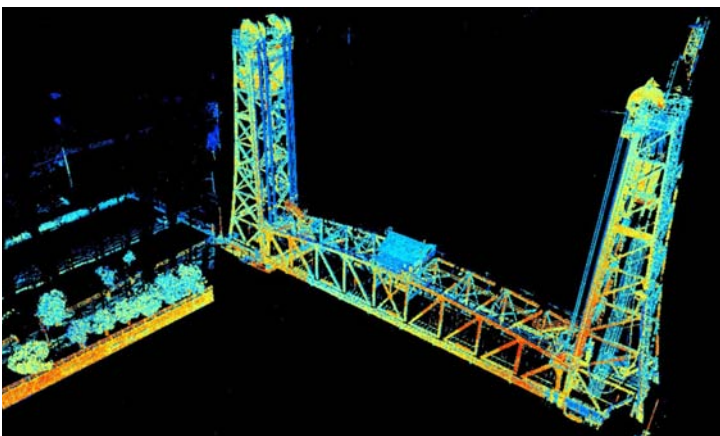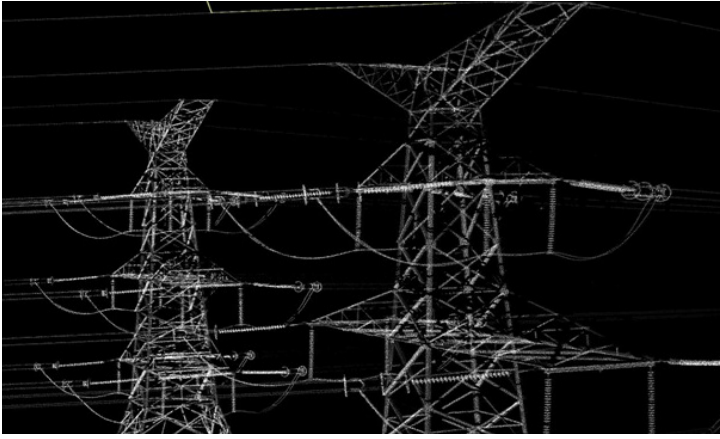# LiDAR Solutions for Infrastructure

SOKKIA

1. Asset Management
2. Facilities Management
3. Infrastructure development
4. Utility mapping
5. Road Furniture
6. Bridge safety
7. Oil & gas pipeline

City asset & facilities management
- Utility structure location
- Road sign & traffic Signal

Inventories
- Tree inventory
- Work orders
- Utility right-of-ways

Energy Distribution
- Condition assessments:
- Vegetation analysis
- Infringement Analysis
- Track clearances

Oil & Gas Pipeline
- Pipeline integrity management
- Plan, implement and maintain infrastructure
- Disaster management
- Monitor transmission corridors
- Asset environmental impact
- Detect vegetation changes
- Topographic change detection

Power Line
- Power line sagging
- Attachment point measure
- Catenaries tension measure
- Route assessment
- Danger tree
- Vegetation encroachment
- Prevention of accident
- Electrical load assessment
- Forest fire prevention
- Safety assessment

Telecommunication
- Digital model of cell towers
- Identify existing towers
- Antenna angles and connection wires
- Fiber Optic optimal cable route design
- Transmission distribution and design
- Inventory of product
- Analysis of existing Telecom infrastructure

Export :
Line work, 3D model, polylines, features, assets, street furniture, planes, edges, cross-sections, mesh, features, angles, lengths, heights, volume, vectors, annotation, colour 3D point cloud, break lines, ground, non-ground, surface grid, hill-shades, draped imagery, contours, intensity, texture, layers, DTM, classified points, assets, dimensions, line of sight, fly through, projection, etc.

Export Format:
DXF, DWG, BMP, GIF, JPEG, PNG, TIFF, CL3, CLR, PTX, CLD, IJ, LAS, OBJ, WRL, X3D, CLT, TRG, PTS, TXT, MSH, TN3, DGN, SHP, XML, PTC, ASCII, GeoTiFF, ESRI, USGS DEM, FLT, and other GIS & CAD formats.

Compatibility:
AutoCAD, Civil 3D, SolidWorks, Microstation, Bentley, Revit, Navisworks, ESRI, ERDAS, PCI, Mr SID, Terrasolid, Virtual Geomatics, Cadcorp, MapGIS, OrbitGIS, QCoherent, QGIS, Rockware and other geospatial enterprise softwares.

1050 Stacey Court, Mississauga
Ontario L4W 2X8
(905) 238-5810