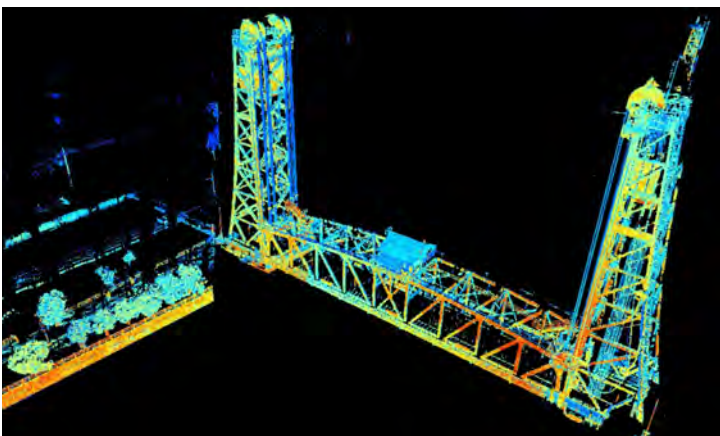
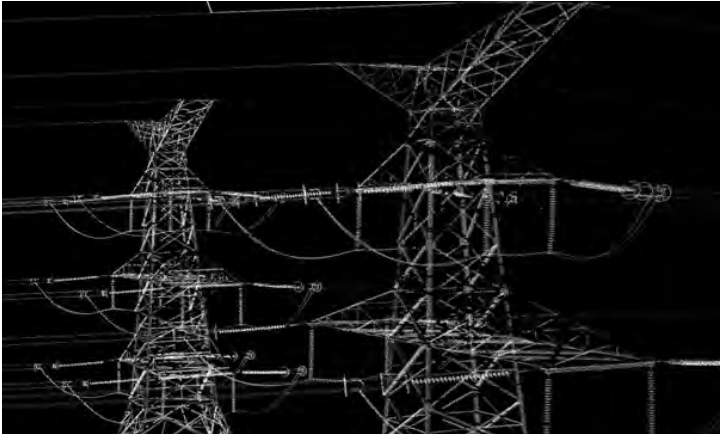




# LiDAR Solutions for Infrastructure

**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.

