CAMCOPTER® S-100
UNMANNED AIR SYSTEM

SCHIEBEL CAMCOPTER® S-100 CIVILIAN APPLICATIONS

- Sea Traffic Safety

- Environmental Monitoring

- Oil Pollution Tracking

- Earthquakes

- Emergency Communications

- Forest Fires

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SOLUTIONS?

OBSERVE:

- Wide range of optical sensors
- Day / night
- Persistence: 6 - 10 hours
- Wide area coverage
- Ability to stop and stare

SENSE:

- Safe, remote, chemical, biological, nuclear, gravimetric, magnetic, acoustic and coronal sensing available

COMMUNICATE:

- Establish emergency communication networks
- Create mobile 3 & 4 G networks
- Remote loudspeaker (200 km)
- Material (leaflet) dropping

INFORM:

- Real-time responsiveness
- Information sent directly to the decision maker!

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AIRBORNE LASER SCANNER (LIDAR)

Airborne laser scanning is an accurate and efficient method of capturing 3D mapping data of large areas, such as agricultural or forestry sites, urban areas, industrial plants, but also for topography and mining, power-line vegetation encroachment, archaeology and cultural heritage sites.
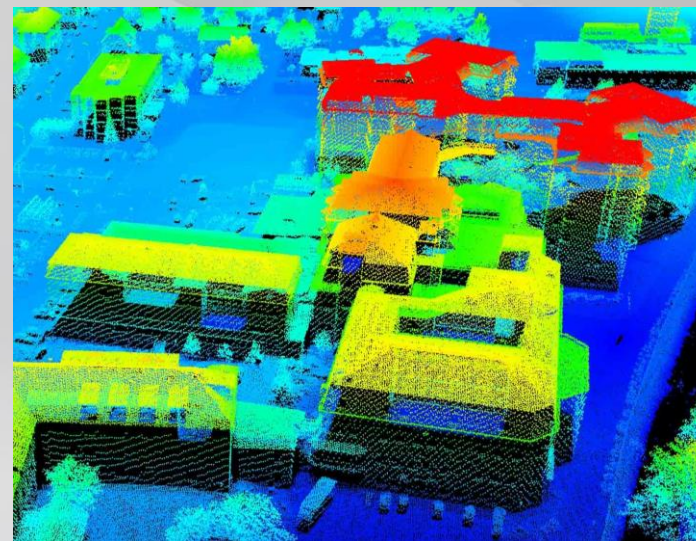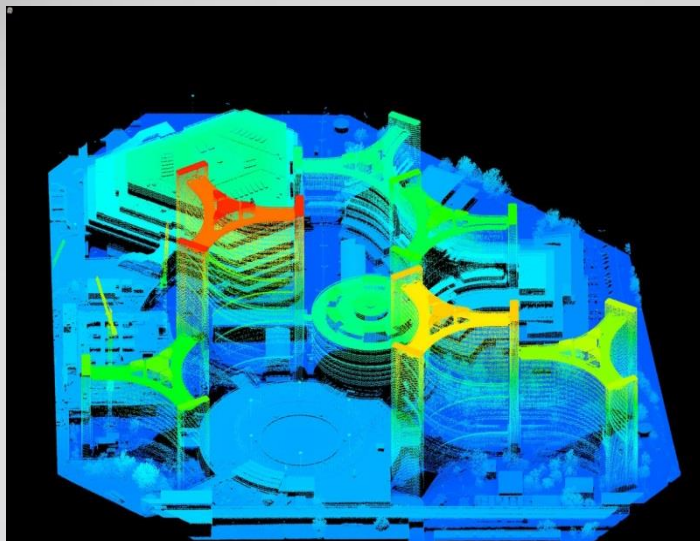
BENEFITS:

- Rapid response

- Coverage of large areas and distances achievable

- Detailed three-dimensional terrain profiling and mapping

- Precise determination and identification of encroaching objects, e.g. vegetation encroachment to electrical power lines.

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RIEGL VQ®-820-GU

RIEGL VQ®-820-GU Sample Images

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GROUND PENETRATING RADAR

Airborne, ground-penetrating radar that is capable of producing precisely located 3D images of underground or buried objects.

Benefits:
- Safe airborne operation
- Ability to detect, characterize and accurately geo-locate subsurface mines, ordinance, pipelines, buried containers, and cavities
- Determine the depth of buried objects
- Discriminate among multiple, closely located objects.

Typical humanitarian detection rates are 2-3 m^2 per hour - this system exceeds 1 km^2 per hour!

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SELEX PICOSAR

PicoSAR Sample Image

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