

GROUND PENETRATING RADAR

Ground Penetrating Radar

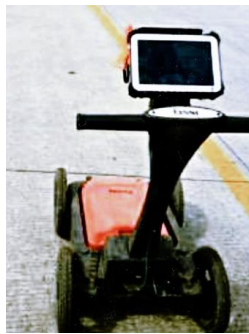
GPR is the general term applied to techniques which employ waves typically in the 10-1000 MHz frequency range to map structures and features buried in the ground or in man-made structures. Main components that make up the GPR include a waveform generator, a single transducer comprised of an emitting and receiving antenna, a signal processor, and data storage (display unit). GPR technology is also widely used for sub-surface scanning to determine layer thickness and voids. It's real-time viewing and sharing capability during survey, empowers informed and quick decision making across many sectors.

Components



Control unit

- It contains the electronics which the pulse of radar energy that the antenna sends into the ground
- It consists of In-built solid state memory to store data for examination after field work



Antenna

- Antenna frequency is one major factor in depth penetration
- The higher the frequency of the antenna the shallower into the ground it will penetrate



Power supply

- It can work with a Variety of power supply
- Ranging from vehicle batteries & normal (110/220 volts)

Industrial uses

- Law Enforcements
- Archaeology survey
- Military
- Agriculture
- Mining
- Utility locations
- Construction
- Road and building maintenance

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About Us

OpEzee Africa is a new business platform founded by Ronel Williams, which provides world class aerial survey services, mobile mapping and geospatial processing services primarily to clients in Africa, Europe, Australia and Asia. OpEzee Africa specializes in the provision of aerial and mobile mapping survey services across numerous countries in addition to our core base in South Africa. OpEzee Africa offers vertical and oblique aerial imagery, height data from both LiDAR and imagery, 3D modelling, ground based survey, data hosting, streaming solutions and web-based GIS solutions.

Consulting

- Geospatial Consultancy
- Solutions

Solutions

- Architecture
- Real estate
- Education
- Heritage and Tourism
- Smart Cities
- Telecoms
- Road and Infrastructure

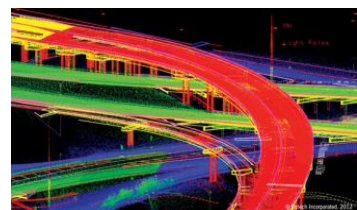
Services



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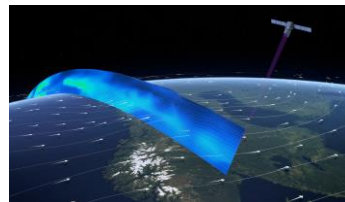
Mobile Mapping Survey



Lidar Survey



Oblique Mapping Survey



Satellite Survey



Holographic Experiences