



GPR, Robotic Crawler, NDT underground surveys

135 % BBBEE level 1



Locating of graves positions using GPR.

Site: Landfill Kokstad

System: GPR (Ground Penetrating Radar) LMX 200 with GPS.

Situation: Orsco was appointed to conduct a GPR survey to locate possible grave sites on landfill area near Kokstad.

Solution: Orsco undertook a survey using the GPR LMX 200.

GPR (Ground Penetrating Radar) system is a well known geophysical instrument used for such an investigation. The ground condition of the site on which scanning was supposed to happen was very difficult. Fortunately, with help from local authorities, we manage to survey most of the area with smaller grids as well as a few line scans with small spacing between them.

GPR data was processed using EKKO Project software. Above you can see some of GPR slice images from different depths and over exposed onto Google Earth. Velocity used to calibrate depth of penetration was adjust to 0,120 m/ns. Data was processed using EKKO Project software.

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