



Kabaale International Airport, Uganda



PROJECT SUMMARY

PROJECT: Kabaale International Airport - Uganda

DATE: 2019

CLIENT: Civil Aviation Authority of Uganda

CONTRACTOR: SBC Uganda Limited

INSTRUMENTATION SPECIALIST: Geotech Solutions (Uganda) Ltd



OVERVIEW

Kabaale International airport is an airport under construction in Uganda. It will have a runway length of 3,500m and a width of 75m, including the shoulders and operate under Visual Flight Rules (VFR).

The airport will also comprise a taxiway of width of 25m and 60m length including shoulders. A taxi lane will be constructed along the western edge of the apron to facilitate access to stands. New access roads shall be constructed in order to access the airport facilities.

Some of the roads, including the perimeter road, regular access roads to the land side, circulation roads and access road to the apron, will have a larger width than the general road network to facilitate the movement and manoeuvring of trucks with wide loads being transported directly from the apron to the refinery construction site or other sites in the 29km² area.

MONITORING

The construction of the runway was on geologically challenging ground, including water courses and highly compressible material.

As part of the required major earthworks Vibrating Wire Piezometers and Magnetic Extensometers were installed to measure settlement and pore water pressure during cut and fill operations to ensure stability of embankments.

PRODUCTS USED

Vibrating Wire Piezometers

Measurement of pore water pressure.

GXM300i

Magnetic settlement & inclinometer casing system for measuring ground settlement and lateral displacement.