MALÅ

Ground Explorer

GROUND PENETRATING RADAR

The flexible GPR solution



GPR with exeptional range and resolution



MALÅ GX (Ground Explorer) is a versatile, integrated GPR solution designed for demanding subsurface investigations. With a broad selection of antenna frequencies and MALÅ's unique HDR technology, Ground Explorer delivers high-quality data, excellent resolution and efficient data acquisition across a wide range of applications.

The GX Antennas integrate seamlessly with MALÅ Controller App for data acquisition and uses MALÅ Vision for processing, interpretation and reporting – providing an efficient workflow from field survey to results.

High Dynamic Range (HDR) is a proven, real-time sampling, technology developed by Guideline Geo that delivers faster acquisition rates, greater signal to noise ratio and increased bandwidth. All MALÅ GPR solutions uses HDR as its core sampling technology.

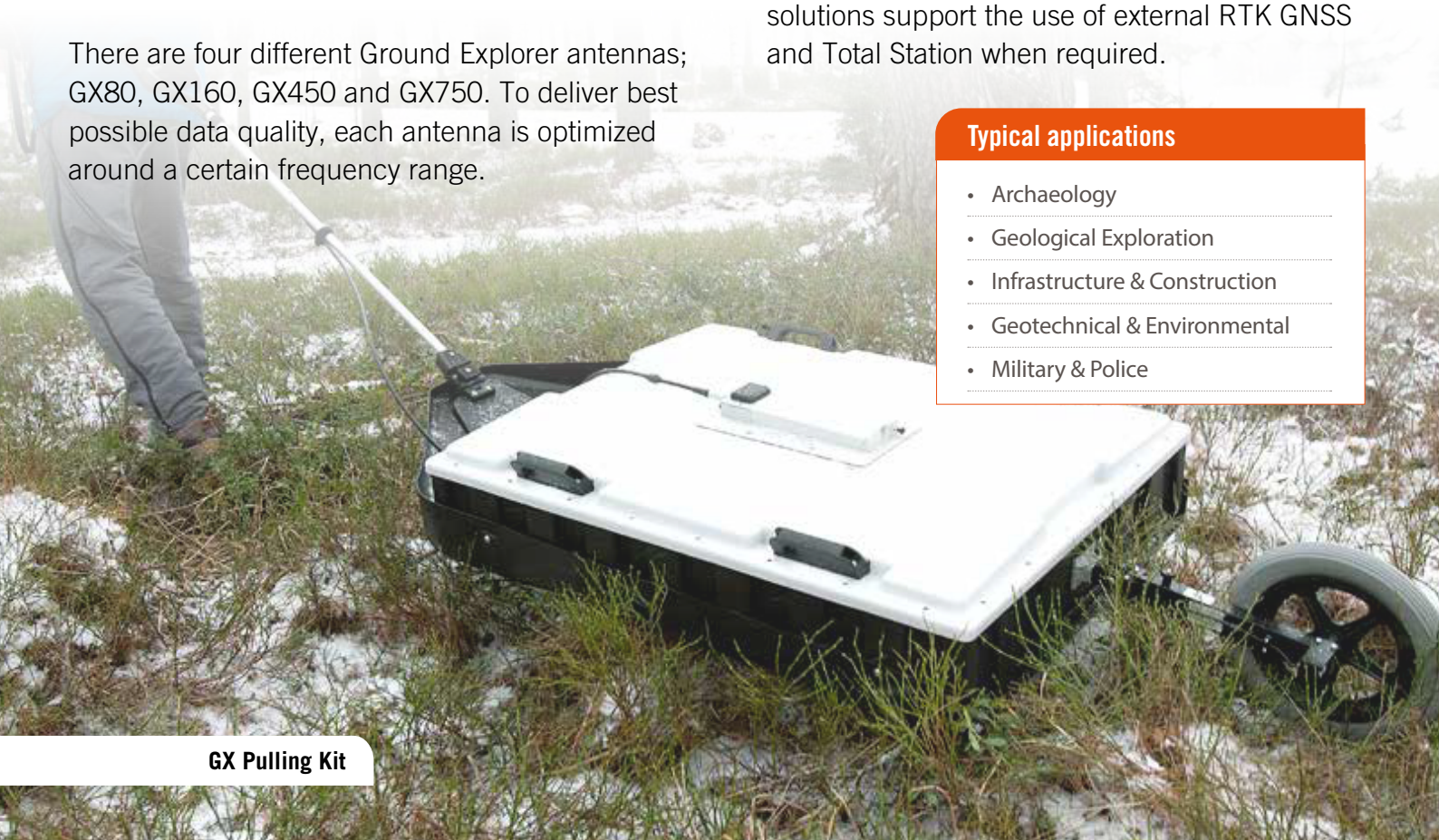
There are four different Ground Explorer antennas; GX80, GX160, GX450 and GX750. To deliver best possible data quality, each antenna is optimized around a certain frequency range.

All antennas are broad-banded and delivers a band-width greater than 100%. There is also an extensive range of accessories, for all kinds of measurements, for the MALÅ Ground Explorer series.

GX antennas are delivered with integrated positioning, providing convenient georeferencing in the field. For high accuracy positioning, all GX solutions support the use of external RTK GNSS and Total Station when required.

Typical applications

- Archaeology
- Geological Exploration
- Infrastructure & Construction
- Geotechnical & Environmental
- Military & Police



GX Pulling Kit

MALÅ Controller App and the GX antenna gives you additional freedom when configuring your survey setup and handling your field data. All data is viewed in real-time using MALÅ Controller App and it communicates wirelessly and securely with the GX antenna.

Fundamental tools for live processing and interpretation of data are also available within the acquisition software. For further processing, interpretation work and reporting, MALÅ Vision is accessible directly from MALÅ Controller App. (Internet access required). Modes of measurements include distance (using an encoder wheel) time and Motion Trig.



Rough Terrain Cart (RTC)

MALÅ Controller App





RTC Mini

Motion Trig allows the user to collect equidistant data using input from the integrated DGNSS only. I.e. if necessary, the GX antennas can collect equidistant data without the use of an encoder wheel.

MALÅ GX supports both push and pull configurations. For push operation, the tablet and antenna are mounted on a MALÅ Rough Terrain Cart (RTC) or MALÅ RTC Mini. For pull operation, the antenna is pulled behind the operator with the encoder wheel connected directly to the antenna.

MALÅ Ground Explorer is an easy-to-use, field-proven GPR solution that combines flexibility, performance and mobility.

MALÅ CONTROLLER APP

GPR DATA ACQUISITION ON YOUR MOBILE DEVICE

The MALÅ Controller App helps you understand, document and maintain a clear overview of your survey directly in the field. Its intuitive, touch-based interface simplifies operation, while MALÅ AI provides real-time interpretation support.

Set gain and contrast, remove background noise and set object and surface markers. The touch-based interface speeds up your survey, letting you deliver results quicker.

After acquiring your GPR data, upload it to MALÅ Vision with markers and metadata. Instantly share and present the data to anyone, anywhere.



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GUIDELINE GEO has been in the geophysics business since 1923 and is the global leader in near-surface geotechnology. Our advanced technology ensures practical solutions to everyday, societal, and global problems. We deliver total solutions in the technological fields of ground penetrating radar, seismic, geoelectrical and electromagnetic measurement. The Guideline Geo AB share (GGEO) is listed on Nasdaq First North Growth Market. We are a Swedish company with international offices and regional partners serving clients in over 100 countries.

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