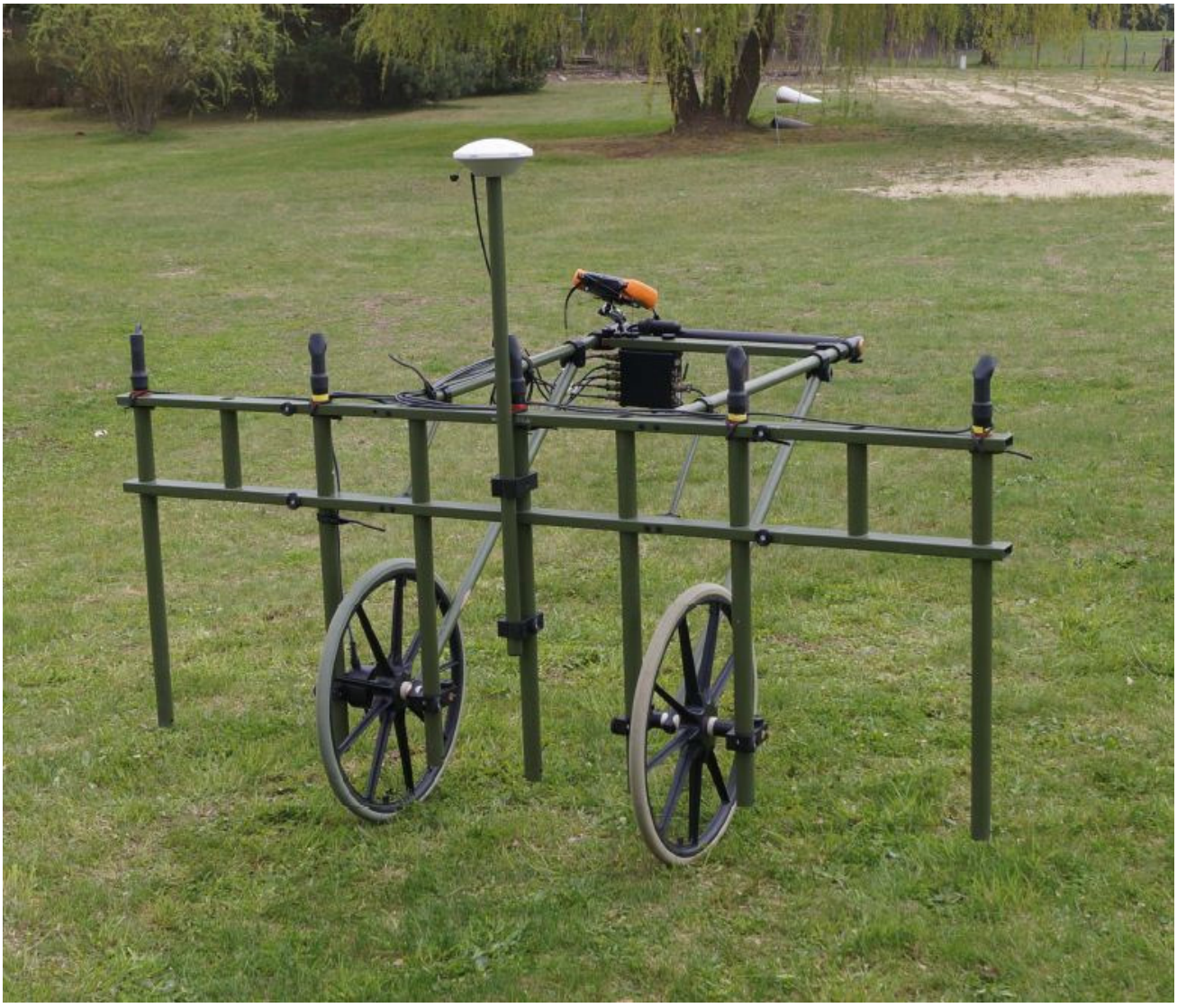
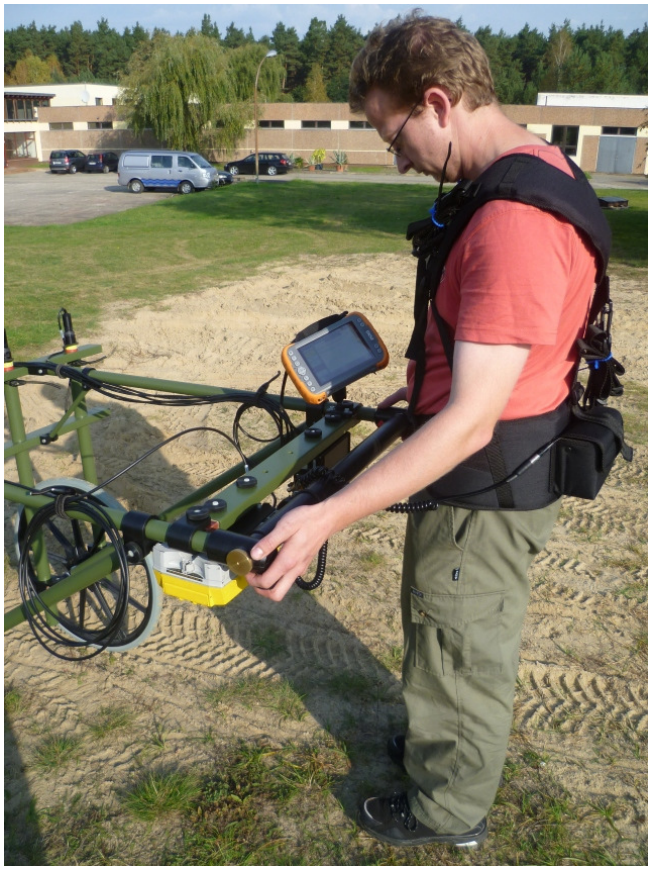
MULTI CHANNEL MAGNETOMETER SYSTEM **MX-PDA**

1 to 5 probes
Rugged PDA
Robust carrier
GPS positioning
Data processing software



MX-PDA MULTI CHANNEL MAGNETOMETER SYSTEM

The **MX-PDA** system is a measurement data recording system which applies in the detection of magnetic anomalies underground. It is intended for the detection and location of all ferromagnetic objects buried underground, and especially ammunitions on battlefield areas.



The D-GPS device, connected to the **MX-PDA**, allows real time GPS positioning of the measurements. The navigation window on the PDA screen informs the user in real time about the covered areas.

After measurement, the data can be transferred to a PC computer with the supplied cable.

The data acquisition system consists of :

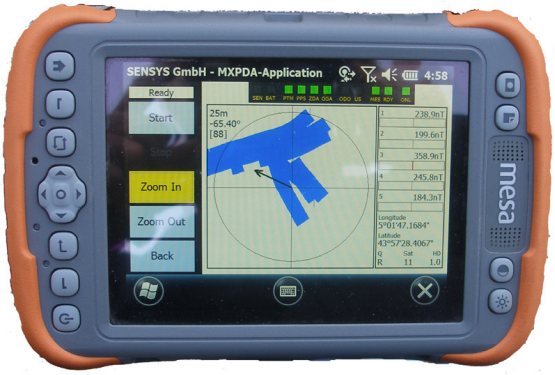
3 or 5 magnetometer probes
1 carrier with amagnetic wheels
1 electronic box with 5 channels inputs
1 rugged PDA JUNIPER MESA
1 power supply kit : batteries 12V / 7 Ah with charger
1 set of cables
1 differential GPS system

TECHNICAL DATA

Electronic box
Dimensions : 155 x 170 x 70 mm
Weight : 1350 g
Material : aluminium
Temperature range : -20°C to +60°C
Supply voltage : 10 to 14 VDC
Power consumption : 4.2 W max. (without GPS)
Resolution of ADC : 24 bits
Sampling frequency : 20 Hz
5 analogical inputs : 1 to 5 probes can be connected

Rugged PDA JUNIPER MESA
Dimensions : 136 x 200 x 51 mm
Weight : 998 g with 2 batteries
Temperature range : -20°C to +60°C
Standard : MIL-STD-810F and IP67
Processor : PXA320 (806 MHz)
System : Windows Mobile 6
Screen : LCD colour 5.7", resolution 640 x 480
Memory : 256 Mo RAM, 4 Go flash
Memory card : 2 Go (area > 100 ha)
Power supply : battery Li-Ion 7.4 V capacity 2550 mAh
Operating time : 16 h with one battery set, 32 h with the 2 sets
Charging time : 4 hours max.

DLMGPS and **MAGNETO** software allow to process the data, to create a colour coded map of the measured area, to locate the detected objects and to determine their characteristics.



Navigation windows : the blue color represents the measured area