



## Field Archaeology & Cultural Heritage

**Discover and map hidden artefacts, remains, and structures**

- ✓ Non-destructive and non-intrusive
- ✓ Fast and efficient scanning of large areas
- ✓ Proven technology delivers the best sub-surface imagery

## Key Features

- High-speed 3D imaging at posted speed limits
- Rapid set up and easy deployment
- Seamless integration of RTK GPS or Total Station
- Easy mapping via graphical navigation display
- Fast swap between pushcart and vehicle-mount



4 wheels set up



3 wheels set up

## Software

### Talon-2

3D GPR Data Acquisition Software

ImpulseRadar Talon-2 is proprietary Windows-based software used to configure and control ImpulseRadar Raptor antennas, and connected GPS units, for advanced 3D data acquisition. It's pure data acquisition software with a user interface designed for touch-enabled devices. The functionality is geared toward the quality control and quality assessment of both the GPR and the positioning data during acquisition.



### Condor

3D GPR Processing & Interpretation Software

Condor is modern processing, visualisation and interpretation software for the efficient management of Raptor 3D GPR array data.

*OspreyView* - is the first commercial application of a novel method of visualizing 3D-GPR data.

The user has a clear overview of the targets beneath, instantly, without further processing in an arbitrarily variable time window.



## Raptor Carrier solutions

Easy change set up kit



*\*Raptor-17 antennas can be configured similarly to the other Raptor variants; however, they do not fit the standard carrier options due to their physical size. Therefore, you will need to provide a carrier solution to meet your specific needs.*

## Technical specification

	Raptor-80	Raptor-45	Raptor-17
Antenna Centre Frequency	800 MHz	450 MHz	170 MHz
Antenna Footprint	110 x 150 mm	165 x 230 mm	450 x 220 mm
Antenna Weight	1 kg	2 kg	4,3 kg
Number of channels – pushcart / vehicle-mount	12 / 28	8 / 18	User defined*

*ImpulseRadar products are under continuous development and we reserve the right to change specifications at any time and without prior notice. You may verify product specifications at any time by contacting our headquarters via our website.*





## Infrastructure & Utility Mapping

**Examine, map and evaluate infrastructure and sub-surface assets**

- ✓ Non-destructive and non-intrusive
- ✓ Fast and efficient scanning of large areas
- ✓ Proven technology delivers the best sub-surface imagery

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