# TriVue

## Multi-frequency Ground Penetrating Radar

**3 CHANNELS**
250MHz / 500MHz / 1GHz

**125MHz-2GHz**
EFFECTIVE BANDWIDTH

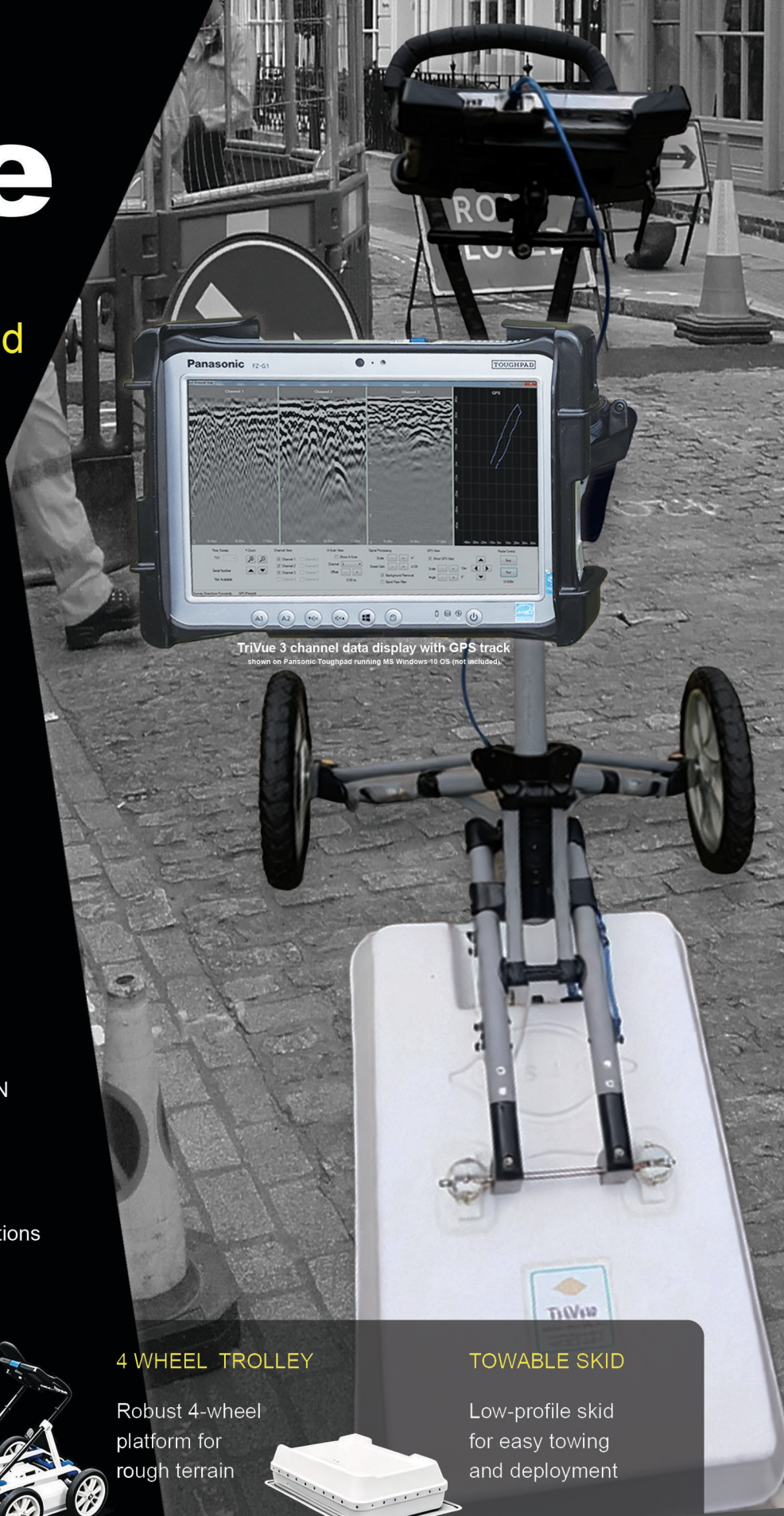
**WIRED / WIRELESS**
OPERATION UP TO 250m

**INTEGRATED GPS**
& EXTERNAL GPS OPTION

**FAST FIELD ANALYSIS**
AND SIMULTANEOUS
MULTI-CHANNEL ACQUISITION

**BUILT FOR:**

Utility detection · Road profiling
Ground engineering · Environmental applications
Railway ballast investigation




TriVue 3 channel data display with GPS track
shown on Pansonic Toughpad running MS Windows 10 OS (not included).



**2 WHEEL TROLLEY**

Lightweight and compact for fast deployment



**4 WHEEL TROLLEY**

Robust 4-wheel platform for rough terrain



**TOWABLE SKID**

Low-profile skid for easy towing and deployment

**HIGH RESOLUTION**

**FAST DEPLOYMENT**

**RUGGED & RELIABLE**

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# Trivue

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Channels | 3 |
| Depth in ns (Time Sweep) | 10ns to 160ns, individually set by channel. |
| | Extended time sweep by request. |
| Samples per trace | 256 or 512 |
| Digitisation | 16 bit A to D Converter |
| Data Format | Utsi Electronics .dat/.hdr |
| | Radar .dat |
| | SEGY .sgy |
| Anti alias filter | 10kHz |
| Transmitter pulse repetition frequency | 2MHz; jittered to reduce EMC interference |
| Max scan rate | 532Hz with 256 samples and 3 channels |
| | 266Hz with 512 samples and 3 channels. |
| Stacking | Automatic stacking. Number of stacks set from the time sweep, number of samples per record and scan rate. |
| | To increase stacking, use a lower scan rate. |
| Triggering | Single TTL pulse. |
| | Dual A/B inputs for directional information. |
| | Self trigger for continuous operation. |
| Power | Internal 12V Li ion battery – 7 hours operation. |
| | External supply 11V – 15V, 400mA |
| Antenna Separation (Tx-Rx) | 250MHz – 416mm |
| | 500MHz – 188mm |
| | 1GHz – 70mm |
| Impulse Width | 250MHz – 1ns |
| | 500MHz – 600ps |
| | 1GHz – 300ps |
| Transmission Voltage | 250 MHz – 20V |
| | 500MHz – 12V |
| | 1GHz – 8V |
| Bandwidth | 250MHz – 125MHz to 500MHz |
| | 500MHz – 200MHz to 800MHz |
| | 1GHz – 500MHz to 2GHz |
| Internal GPS | SPS GPS precision. |
| | Records NMEA GPGGA & GNGGA sentence. |
| Skid Plate | Ultra High Molecular Weight Polyethylene |

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