

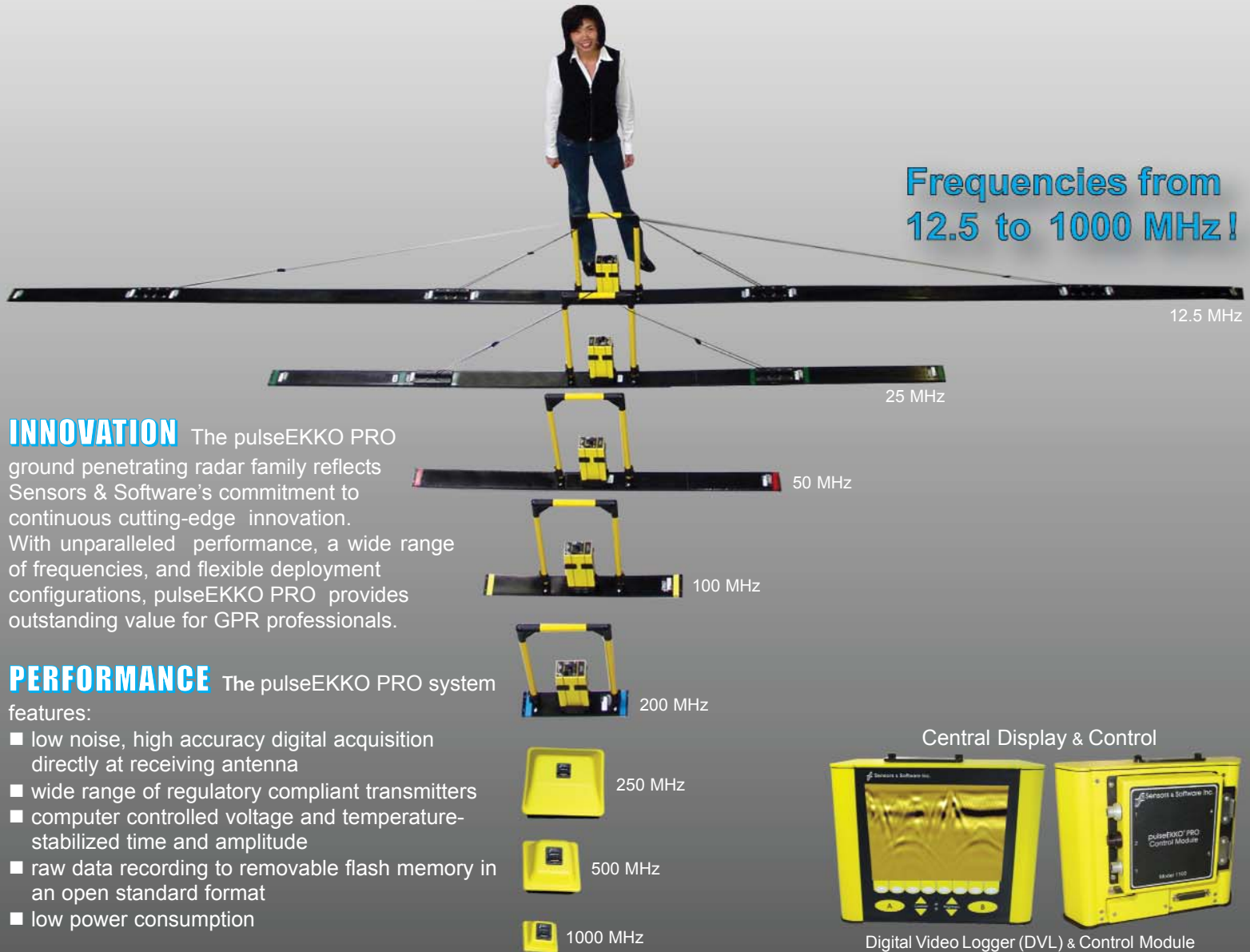
# pulseEKKO<sup>®</sup> PRO

by Sensors & Software Inc.



s u b s u r f a c e   i m a g i n g   s o l u t i o n s

# For the GPR professional



Frequencies from  
12.5 to 1000 MHz!

**INNOVATION** The pulseEKKO PRO ground penetrating radar family reflects Sensors & Software's commitment to continuous cutting-edge innovation. With unparalleled performance, a wide range of frequencies, and flexible deployment configurations, pulseEKKO PRO provides outstanding value for GPR professionals.

**PERFORMANCE** The pulseEKKO PRO system features:

- low noise, high accuracy digital acquisition directly at receiving antenna
- wide range of regulatory compliant transmitters
- computer controlled voltage and temperature-stabilized time and amplitude
- raw data recording to removable flash memory in an open standard format
- low power consumption

**VERSATILITY** pulseEKKO PRO's broad frequency range (12.5 to 1000 MHz) enables users to address any scale of GPR application from deep mineral exploration and glaciology to high resolution geotechnical investigations and concrete imaging. Analyze data and create presentation quality images with EKKO\_View, EKKO\_Mapper and EKKO\_3D.

**FLEXIBILITY** Ergonomic deployment configurations - Full Bistatic, Hand Tow, SmartCart, One-Man, Borehole and Multichannel - enable GPR deployment for reflection profiling, transillumination, or CMP/WARR surveys.

Quick release fastenings and interchangeable components enable rapid system reconfiguration.

Integrated support for GPS, odometers and fiducial markers with triggering from a wide range of inputs provides accurate spatial positioning.

**CUTTING EDGE** specifications:

Maximum system performance: 186 dB  
Programmable time window: 500 ps to 200,000 ns  
Points per trace: 10 to 31,000  
Hardware stacking:  $2^n$  - 1 to 32,768  
Receiver Sensitivity: 1.5  $\mu$ V 1sb  
Data Recording: 16 bit  
Environmental: IP66



# Configurations

One-Man



SmartCart



Borehole



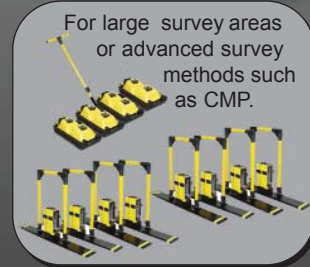
Full Bistatic



Hand Tow



Multichannel



## Advanced Survey Methods



Transillumination



CMP/WARR



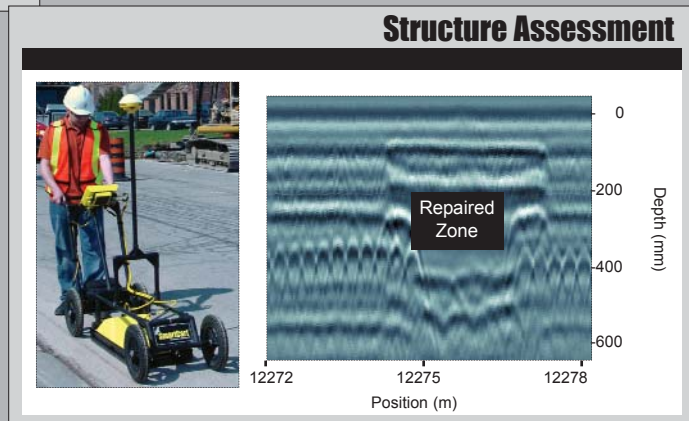
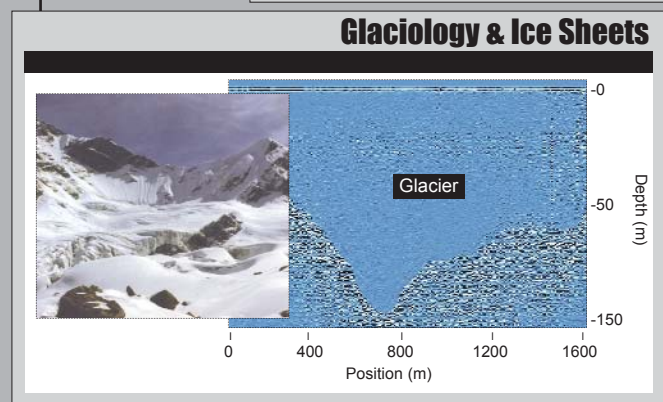
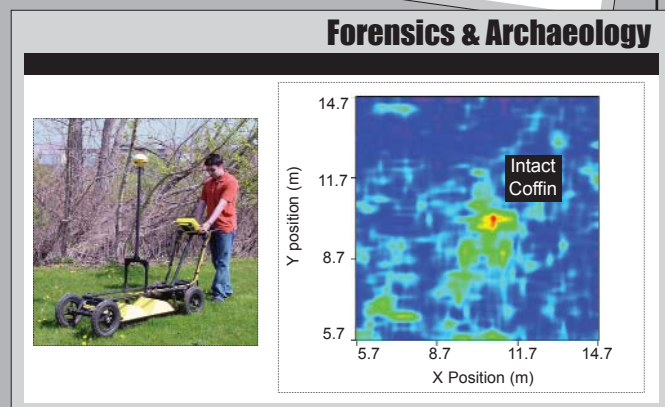
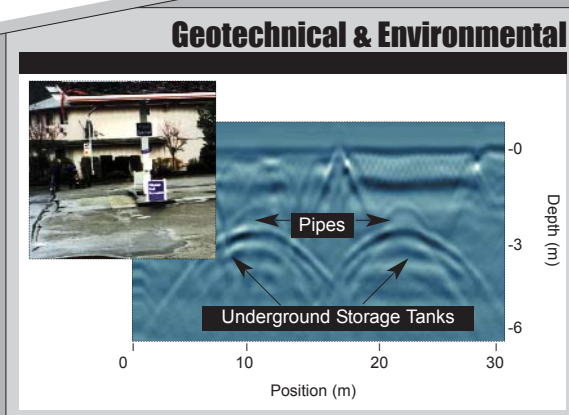
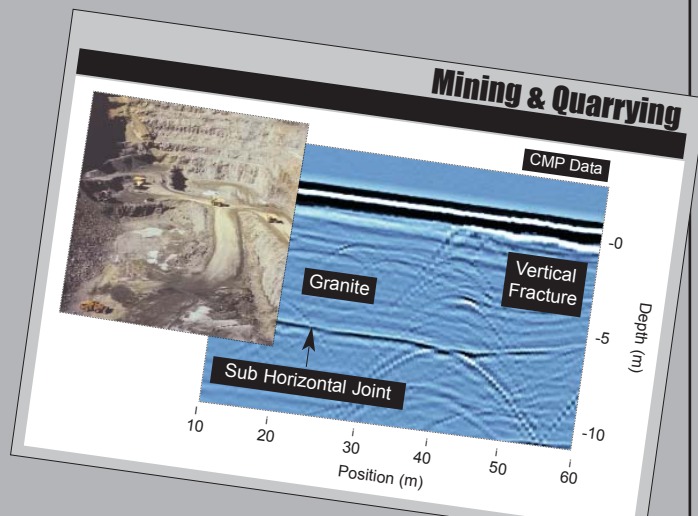
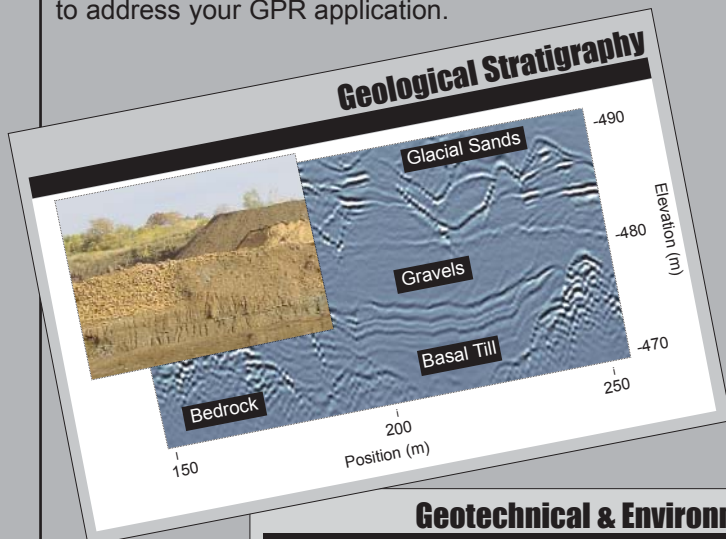
Transillumination



pulseEKKO PRO applications include investigations for:  
Mining & Quarrying, Geotechnical & Environmental, Forensics & Archaeology, Glaciology & Ice Sheets, Structure Assessment.

Contact one of our professional staff about the best configuration to address your GPR application.

# pulseEKKO® PRO



Sensors & Software Inc. is recognized globally as the technical leader in GPR products. Our name is synonymous with technical excellence, continuous innovation and responsive customer service. Our products and systems have been designed for a broad range of customers and markets. UWB emission regulations limit offering some product options in some geographic areas.

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