

SENSORS & SOFTWARE
from RADIODETECTION



pulseEKKO[®]

Ultra Receiver

Ultra Depth
See deeper

Ultra Detail
See weaker reflectors

pulseEKKO: high-performance,
customizable GPR system
designed for advanced
surveys and research

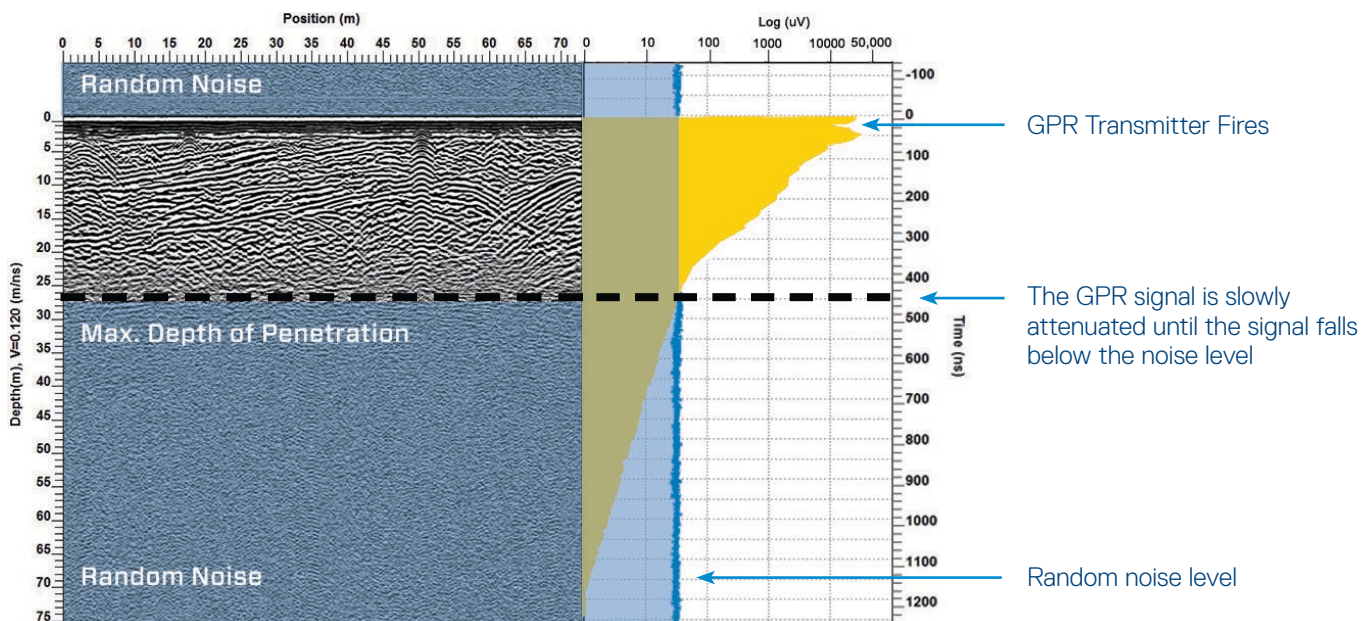


pulseEKKO® Ultra Receiver

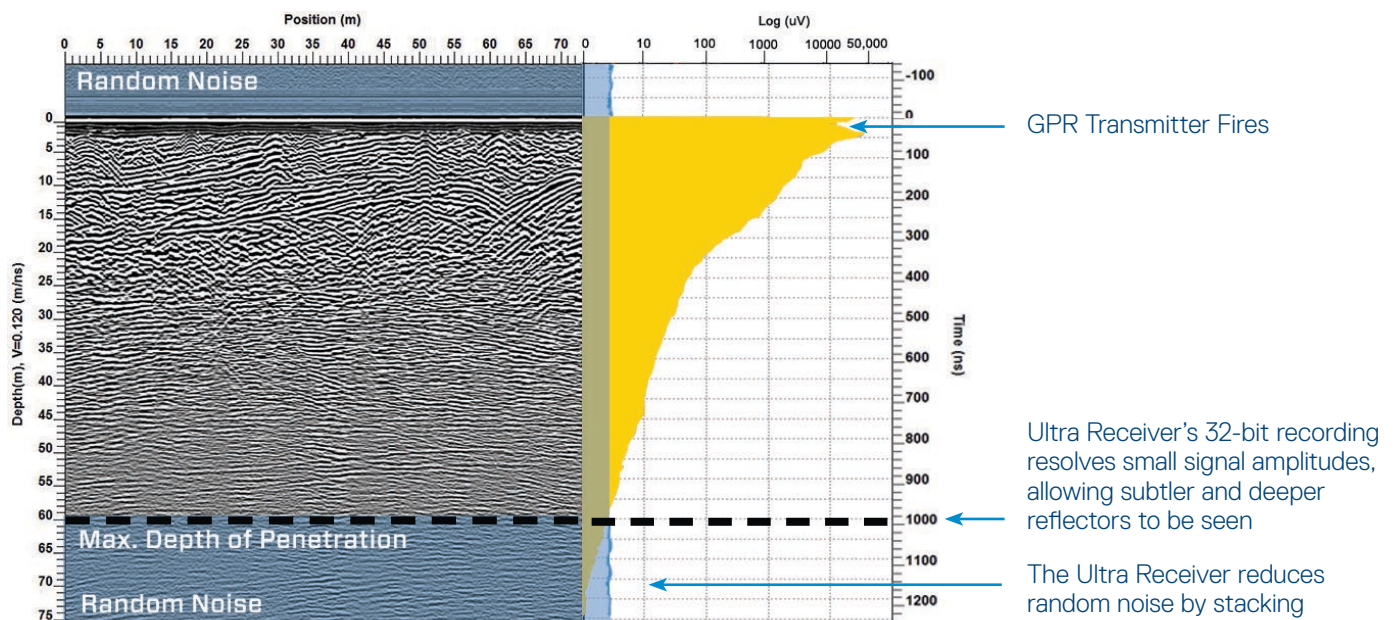
pulseEKKO low-frequency GPR systems consist of transmitter and receiver electronics paired with antennas ranging from 12.5 MHz to 200 MHz. The Ultra Receiver significantly increases imaging depth by stacking GPR traces up to 65,536 times to reduce noise, resulting in the detection of much smaller GPR signals. This means deeper penetration than ever before. This advanced receiver technology overcomes the regulatory limits on GPR transmitter power outputs adopted by the USA, Europe and Canada. With its high performance and flexible survey configurations, pulseEKKO GPRs are ideally designed to maximize the benefits of the Ultra Receiver – **allowing you to see more and achieve more in your GPR surveys**

Comparing the pulseEKKO Ultra Receiver to the PRO Receiver

pulseEKKO PRO Receiver - Average trace amplitude (ATA) Plot

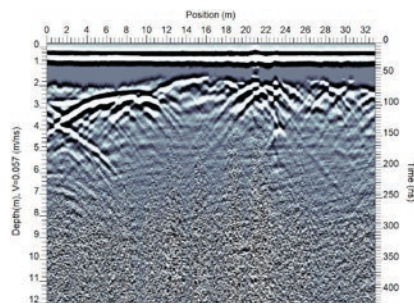


pulseEKKO Ultra Receiver - More than double the depth of penetration

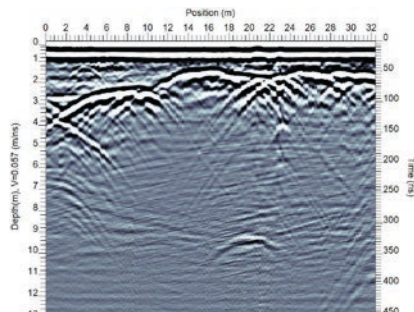


Data Examples

Karst Environment

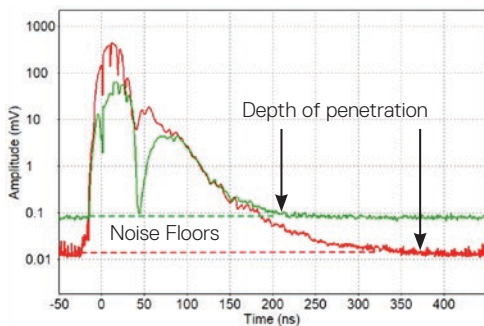


64
Stacks



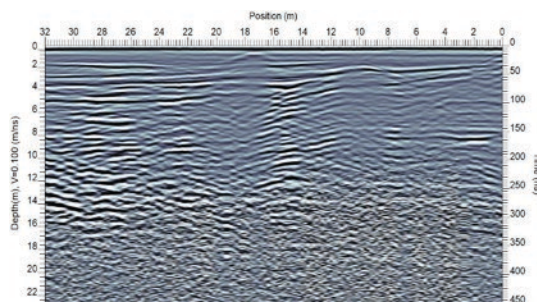
32,767
Stacks

Deeper,
weaker
reflections

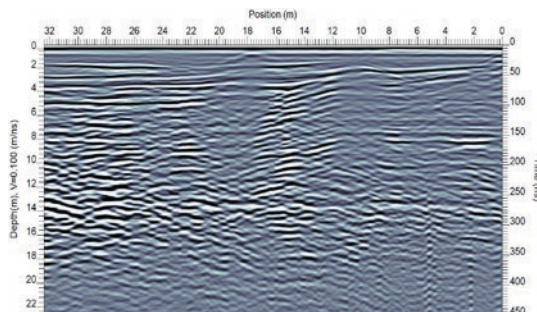


64
Stacks
32,767
Stacks

Coastal Deposits

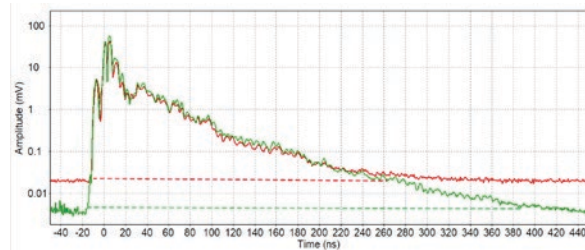


64
Stacks

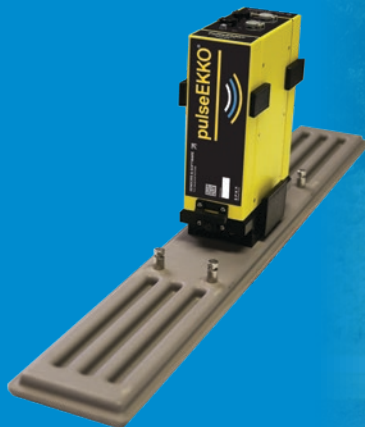


8,192
Stacks

Deeper,
weaker
reflections



64
Stacks
8,192
Stacks



The Ultra Receiver can
stack GPR traces as
many as **65,536 times**



Our Mission

Provide best in class equipment and solutions, to prevent damage to critical infrastructure, manage assets and protect lives.

Our Vision

To be the world's leader in the management of critical infrastructure and utilities.

Our Locations



USA

Raymond, ME
Kearneysville, WV

Canada

Mississauga, ON



Europe

United Kingdom **HQ**
France
Germany
The Netherlands



Asia Pacific

India
Hong Kong
Australia

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