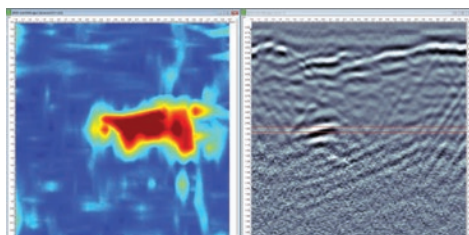




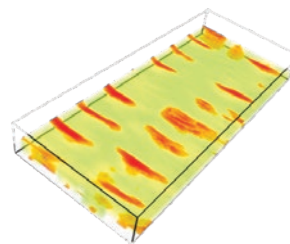
GPR for Forensic Investigations

Ground Penetrating Radar (GPR) is increasingly being adopted to support forensic investigations by law enforcement agencies. Used alongside established investigative methods, **GPR can help teams locate buried items of interest—including drugs, money, weapons, and potential clandestine graves—**while minimizing surface disturbance.

By enabling non-invasive subsurface scanning, **GPR can support crime scene preservation** and help investigators make informed decisions about where to focus excavation or recovery efforts.



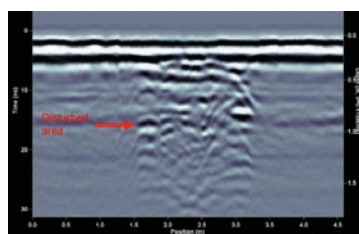
Clandestine burial shown in cross-section and depth slice view



Example of GPR 3D view of coffins in a cemetery

How GPR Technology Works

GPR operates by transmitting radio waves into the ground. When these waves encounter changes in material—such as disturbed soil or hidden objects—they reflect back to the surface. These reflections are captured and visualized, showing where materials have been altered or where items may be concealed underground. Officers can use GPR to generate cross-sectional, 2D depth slice maps and 3D views of burial sites, disturbed soil, and voids beneath concrete, guiding targeted evidence recovery.



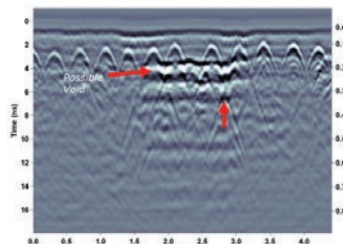
Example of soil displacement suggesting an area for further investigation.

Key Benefits for Forensic Investigations

Rapid, Non-Invasive Evidence Search: Efficiently scan crime scenes with non-destructive subsurface imaging that can help minimize disturbance and support site integrity.

Comprehensive Site Assessment: Visualize subsurface features and help identify areas of interest for targeted investigation.

Field-Proven Reliability: GPR has been adopted by law enforcement agencies in many countries for its adaptability across environments and scenarios, helping teams support timely decision-making in the field.



GPR can help identify anomalies beneath concrete

Recommended GPR Solutions



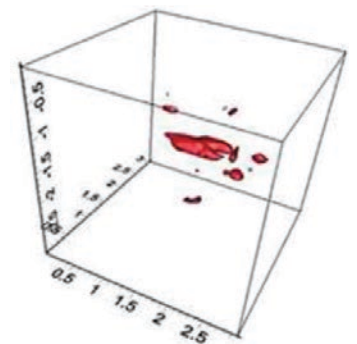
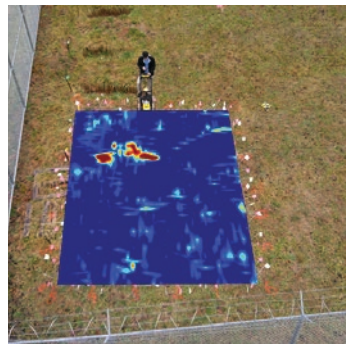
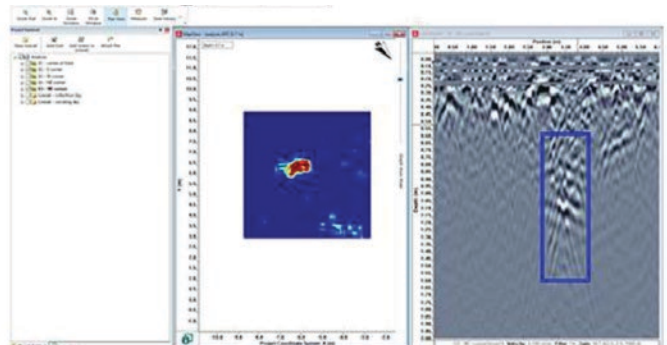
LMX150™ FINDAR®

4-wheeled, cart-based system designed for field operations, with an intuitive interface that helps guide systematic grid searches and supports real-time interpretation on-site.



Conquest® 100

Portable, high-resolution system for shallow investigations in concrete and other structures. Its compact design supports scanning walls and ceilings for potential hidden compartments or items of interest.



NOGGIN®

High-performance, adaptable system designed to support both shallow and deeper investigations, with a choice of up to five interchangeable sensors. Deployable via **SmartCart®**, **SmartTow™**, **SmartHandle™**, **SmartChariot™**, or **SmartSled™** configurations to help accommodate diverse terrain and larger search areas.

EKKO_Project™

Advanced software designed to support in-depth analysis and visualization of GPR data. It helps law enforcement teams organize and examine datasets, supports interpretation of features within the data, and is compatible with all recommended GPR systems.

For further information or to arrange a demonstration, please contact us at Sensoft_sales@spx.com or visit www.sensoft.ca/forensics

Scan for more information

