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Bulletin

AUGUST 2025

4 Safe Solutions LLC is proud to announce the acquisition of the Chaser XR GPR with GNSS 80 MHz dual antenna and 1.8 GHz technology — the first of its kind in Latin America. This milestone positions our company as the leading provider on the continent for advanced subsurface explorations, enabling detailed detection of elements and pipelines at depths of up to 25 meters.

The Chaser XR

The Chaser XR is a powerful Ground Penetrating Radar (GPR) system that features a dual-frequency antenna, wide inspection range, and seamless integration with GNSS and 1.8 GHz technology. It combines multiple GPR functionalities into a single, versatile, and cost-effective solution for subsurface investigations, particularly in geophysical surveying.



KEY FEATURES

Dual-Frequency Antenna

The Chaser XR utilizes a dual-frequency antenna with a wide inspection range from 80 MHz to 1,500 MHz, providing both high resolution and deep subsurface profiling.

GNSS Integration

The system integrates with Global Navigation Satellite Systems (GNSS) for precise positioning and geo-referencing of GPR data, enhancing accuracy and spatial analysis capabilities.

1.8 GHz Technology

The inclusion of 1.8 GHz technology further expands the system's ability to resolve fine details and shallow targets with exceptional accuracy.

EsT Technology

Incorporating IDS GeoRadar's patented EsT (Equalized Scrambled Technology), the Chaser XR optimizes GPR performance through enhanced signal quality, noise reduction, and improved depth penetration.

All-in-One Design

Engineered as a single, all-in-one GPR antenna, the Chaser XR eliminates the need for multiple systems, offering greater flexibility across diverse surveying scenarios.

Versatile Applications

Ideal for environmental assessment, archaeological research, utility detection, and infrastructure inspection, the Chaser XR stands as a benchmark in subsurface exploration technology.

BENEFITS

Increased Efficiency

The Chaser XR's dual-frequency antenna, GNSS integration, and advanced technology enable faster and more efficient data collection, saving time and resources.

Enhanced Data Quality

The system's advanced signal processing capabilities, including EsT technology, result in high-resolution subsurface images with improved clarity and detail.

Improved Accuracy

GNSS integration ensures accurate geo-referencing of data, allowing for precise mapping and analysis of subsurface features.

Reduced Costs

The all-in-one design and versatility of the Chaser XR reduce the need for multiple GPR systems, leading to significant cost savings.

Greater Flexibility

The Chaser XR can be adapted to a wide range of surveying scenarios, making it a valuable tool for various applications and environments.

