



## Archeology and Cultural Heritage

Ground Penetrating Radar systems specifically designed for Archeology and Cultural Heritage research can provide:

- Detection of underground structures
- Mapping of extensive archeological sites
- Detailed surveying during archeological excavations
- Cavity identification and mapping
- Analysis of structures and historical buildings
- Pavement investigations
- Fresco investigations
- Analysis of walls



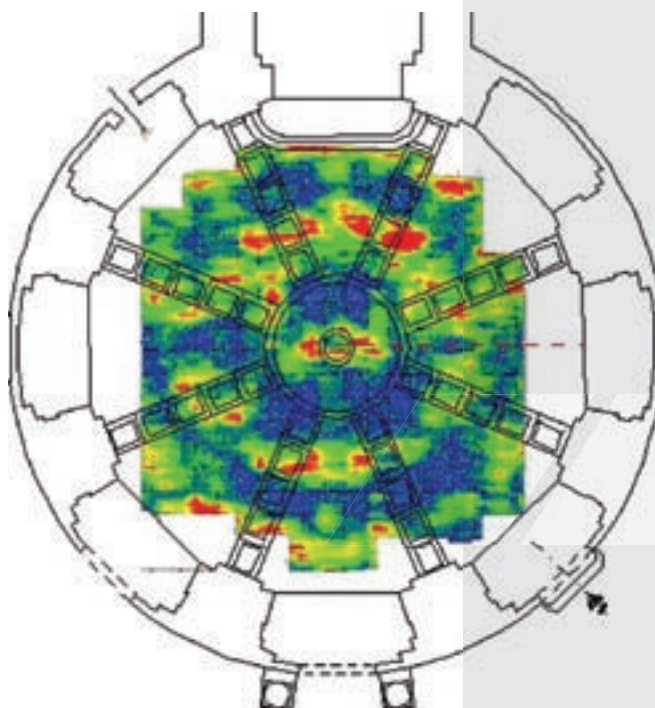
IDS provides a complete range of products for this field of research. Solutions vary to cover investigations over small and/or large areas, from the RIS-ONE single-channel system to the RIS-PLUS multi-channel system used with the special IDS multi-frequency antennas.



IDS is unique in offering Multi-frequency antennas. Multi-frequency means that a single scan can produce a clear view of deep targets while providing good resolution of shallow ones.

## Features

- Superior data quality and soil penetration provided by digital electronics (patent pending)
- The most compact and light weight radar on the market.
- Special multi-frequency antennas
- Deep surveys
- Very high resolution
- Dedicated 2D and 3D software for:
  - discriminating buried objects
  - tomographic views
  - discriminating and tracking anomalies
  - discriminating structures
- Interface to GPS
- Special 80, 100 MHz antennas with separable Tx - Rx for propagation velocity estimation



## Specifications

- Operating time: up to 10 hours
- Radar control unit compatible with all IDS antennas
- Multi-channel unit can manage up to 8 channels (8 Tx - 8 Rx)
- Dedicated trolleys
- 1600 and 2000 Mhz antennas for high resolution surveys
- Special multi-frequency antennas available (600-1600 MHz)



**IDS Ingegneria Dei Sistemi S.p.A.**  
Pisa Branch Office  
via Sterpulino 20, 56121 Pisa, Italy  
tel. +39 050 967111 · fax +39 050 967121

*For further information contact*  
tel +39 050 967123/24  
e-mail: sales.gpr@ids-spa.it  
www.idsgeoradar.com