



geoMONUMENT

Generation of a detailed Heritage 3D model

Ancient Megalopolis archaeological site (Tripadvisor, 2026).



Comprehensive Cultural Heritage (CH) documentation

Combine UAV imagery and LiDAR for detailed, high-accuracy recording of CH sites.

Dedicated field campaigns

Organize targeted data-collection missions, including:

- Photogrammetric surveys (UAV-based imaging or high resolution aerial photos and LiDAR)
- Geodetic measurements (ground control / positioning for accuracy)

High-value deliverables for CH management

Generate a suite of products such as:

- Dense point clouds
- 3D models
- Orthophotos
- Orthomosaics



Criterion	Basic site recording	Photogrammetric survey	geoMONUMENT
UAV (drone) imagery/LiDAR data	-	●	✓
Dedicated field campaigns	●	✓	✓
Geodetic measurements	●	●	✓
Dense point cloud outputs	-	✓	✓
3D model generation	●	✓	✓
Orthophotos/Orthomosaics	●	✓	✓
Risk-informed decision support	-	●	✓
Assessment of current asset condition	●	●	✓
Identification of CC-related risks	-	●	✓

✓ = full support | ● = partial support |
- = not supported



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