

Employing technology in the protection of archaeological sites in Marib Governorate, Republic of Yemen

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Abstract.

Marib Governorate is one of the Yemeni governorates that contains many archaeological sites, including the ancient city of Marib, the capital of the ancient Kingdom of Saba, whose historical roots go back to the beginning of the first millennium BC. There are other sites, including the Awam Temple, which is the most important ancient temple in the ancient Arabian Peninsula, and the Baran Temple, as well as the ancient Marib Dam, which is the oldest ancient irrigation facility that the Kingdom of Saba relied on in the formation of its civilization in the cultivation of the ancient Marib Oasis, which depended on regulated irrigation by the ancient Marib Dam.

The study aims to employ modern technology in the protection of archaeological sites in terms of the natural factors that alternate with the four seasons of the year, and thus it is possible to protect the archaeological sites by using modern devices to monitor the extent to which the building materials of these sites are affected, and work to remedy and treat them in appropriate ways based on the impact.

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