

HASANKEYF ARCHEOPARK PROJECT

BATMAN - BATMAN - Turkey



TYPE OF PROJECT
**Reinforced Soil Walls And
Slope Reinforcement**

YEAR OF CONSTRUCTION
2023

CLIENT
**GENERAL DIRECTORATE OF
STATE HYDRAULIC WORKS
(DSİ)**

CONTRACTOR
**MAVIGOL ENERJİ YAPI TİC.
A.Ş.**

DESIGNER

PROD. RELATED
TerraMesh (Null), MonoAxial GeoGrids (Null)

Challenge

The 12,000-year-old town city was flooded during the Hasankeyf Dam process. Before it was destroyed, all historical and cultural artifacts were moved from in the Batman district to the new Hasankeyf Cultural Park area through a special technique to preserve and transfer history, environmental and cultural values to future generations. Within the scope of the Hasankeyf Archeopark Project, which is located in the Mesopotamian region and contains many types of

artifacts, stability problems became evident during the slope excavations on the banks of the Tigris River. Hence, it was decided to support these slopes with retaining walls. Since the rising of the river waters depending on the seasons and the retaining walls being under water, instead of classical retaining walls, alternative systems which has self- drain speciality is being turned forward.



Satellite View



Terramesh System Walls

Solution

The retaining walls, which will reach a height of 27 meters within the scope of the Hasankeyf archeopark project, has been designed with Terramesh System Wall which has self- drain feature, so that a 25 m section of it will operate under water. The berms of Terramesh System Walls that are largely inundated during the winter months, will be used as viewing terrace during

the summer months. Terramesh System Walls consisting of two parts: L1 line is 552m long, max. 27m height, R1 line 246m length max. 21m high walls. Terramesh System, which reinforced high-strength Paraproduct geogrids, has been preferred to meet the 20kPa live load, earth pressure and 0.11 PGA seismic load that will affect the walls.



During Construction—After Rising of Water Level



After Construction



After Construction



After Construction



OPEN GOOGLE MAPS



OPEN GOOGLE EARTH