

# **TSIKALARIO AND FANEROMENI DAMS AND HILLSIDE RESERVOIRS FOR IRRIGATION AND RURAL WATER SUPPLY PURPOSES, NAXOS ISLAND**

## **Country**

GREECE

## **Location**

Naxos Island

## **Client**

Ministry of  
Agriculture

## **Financing**

Cohesion Fund /  
Public Investment  
Programme of  
Greece

## **Services of ENB**

550,500 EUR

## **Project Duration**

1990 - 12/2002

## **Associated Firms**

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Faneromeni Dam

## **Project Description**

Within the framework of the programme of integrated rural development initiated by the Ministry of Agriculture for the Aegean Islands, two dams and corresponding hillside reservoirs were provided for in the island of Naxos for irrigating the adjacent agricultural land of the area and providing potable water to the nearby capital city of the island, Chora Naxos. Both dams are of the "Rockfill with upstream concrete slab" type with following characteristics:

<u>Characteristics</u>	<u>Unit</u>	<u>TSIKALARIO</u>	<u>FANEROMENI</u>
Height of dam:	m	47	52
Volume of dam:	m <sup>3</sup>	302,000	300,000
Reservoir capacity:	m <sup>3</sup>	3,000,000	1,450,000

Both dams comprise the necessary appurtenant structures such as diversion works, spillways, intake works, access roads etc.

The areas provided for irrigation are 200 and 470 ha respectively.

Faneromeni dam is at present in operation.

## **Services**

- For both dams: Preliminary surveys and investigations (geological, hydrogeological, geotechnical, topographical), master plan, preliminary design, environmental impact study.
- For Tsikalario dam: Final design and contract documents.
- For Faneromeni dam: Final design, contract documents and Technical Assistance during supervision of construction.