

Odelouca Project

Odelouca Dam



- Type: zoned embankment with clay core
- Materials: shale, clay, syenites
- Height: 76 m
- Crowning: 415 m (11 m wide)
- Total volume of reservoir: 157 hm³
- Usable capacity: 134 hm³
- Altitude of crowning: 106 m
- Full storage level: 102 m
- Minimum operating level: 72 (Tunnel Odelouca Funcho)

Odelouca-Funcho Tunnel



- Length: 8,15 km
- Internal diameter: 2,4 m
- Longitudinal slope: 0,012%
- Drop: 1 m
- Maximum flow: 7,8 m³/s

Alcantarilha Water Treatment Plant



- Productive capacity installed: 259 mil m³/day
- Response capacity: 620.000 inhabitants

The “Odelouca Project” in the south of Portugal is considered a key structural investment which ensures the water supply in the Algarve region.

This project comprises one of the largest earth dams in Europe, the Odelouca Dam, which stores water from a catchment area of 393 km², in a reservoir area of about 7.8 km². The water is then transported via the 8.15 km Odelouca-Funcho tunnel to intersect the Funcho – Alcantarilha water main, 200 m downstream of the Funcho dam. After traveling another 11.5 kilometres, the water from the Odelouca dam arrives at the Alcantarilha Water Treatment Plant (WTP), where it is treated and distributed to municipal systems.

Source: Águas do Algarve, S.A. - www.aguasdoalgarve.pt