

MINGHETTI DAM – SARDINIA ITALY

Project Name	Minghetti Dam
Purpose of the project	Irrigation
Project location	Sardinia-Italy
Costructors	Impresa costruzioni Ing. G.B. Bosazzo Spa-Cagliari /Impresa di costruzioni Opere Specializzate (ICOS)-Milano
Dam Type	ordinary gravity dam
Height above foundation	25 m
Crest level (m.s.l.m)	364 m
Crest length	90 m
Capacity of the Reservoir	80.000 m³
End of construction	1964
Client	Consorzio Bonifica Sardegna Centrale

GENERAL VIEWS OF THE DAM



INSTALLED INSTRUMENTS

Instruments The installation of the instruments was executed during november 2007.	
Pore pressure transducers 4-20 mA	No. 1 (Sisgeo model P235S)
Reservoir water level pressure transducers 4-20 mA	No. 1 (Sisgeo model P252R)
Termometer	No. 2 (Sisgeo model OT111PT)
Hydrometric rod	No. 1; lenght: 18m (model OHIDR1000S)
TMF-100 Automatic Data Acquisition System	No. 1 cabinet (Nesa model ME-C100) with no. 8 channels
Rain gage	No. 1 (Nesa model ME-PL400N)
Wind direction gage	No. 1 (Nesa model OMESDV)
Wind velocity gage	No. 1 (Nesa model OMESVV)
Temperatur and igrometer gage	No. 1 (Nesa model ME-UTAN)
Barometer	No. 1 (Nesa model ME-BARA)



Installation of the reservoir water level trasducer and two termometers inside a inox conduit, all instruments connected to a OVP box.



Installation of the pore pressure trasducer within the dam foundation



Installation of the hydrometric rod



Installation of the meteorological station