

RAVEDIS DAM

Project Name	Ravedis Dam
Purpose of the project	Flood control, irrigation and power
Project location	Friuli Region, Italy
Client	Consorzio di Bonifica Cellina-Meduna
Contractor	CORAV sponsor Impregilo S.p.a.
Engineer	IN.CO. S.p.a.
Dam Type	Concrete Gravity
Height above foundation	51 m
Crest level (above sea level)	343 m
Crest length	173 m
Capacity of the Reservoir	25 million cubic meter
Foundation soil	Rock
End of construction	November 2004



General view of the dam

Instruments	
The installation started during December 2001 and according to the dam construction schedule was terminated on May 2005	
Vibrating Wire Foundation Piezometers	No. 28 (Sisgeo models PK45S)
Hydraulic settlement cells	No. 7 DSM gauges (Sisgeo model D422M)
Concrete and water temperature sensors	No. 47 (Sisgeo RTD model T111PT10)
Biaxial servo-accelerometer surface clinometers	No. 3 (Sisgeo model S522SV15)
Inverted pendulum With optical reading unit	No. 1 (Sisgeo model S9120060)
Ismes Tel-310 Telecoordinometer	No. 1 (Sisgeo model S9TEL310)
Reservoir water level pressure transducers	No. 3 (Sisgeo model P252R)
Electrical crackmeters	No. 30 (Sisgeo model D313SA)
Staff gauges	11 meters
ADK-10 Automatic Data Acquisition System	No. 2 cabinets (Sisgeo model ADK10CAB) with no. 11 multiplexers (no. 160 channels)
Bench marks	No. 21
Datum pillar	No. 13
Accelerographs	No. 4 Smach system (GeoSIG)
Instrument status	On June 2005 99 % of the instruments were working
	Courtesy of Engg. Renzo Scramoncin, Paolo Sbrizzi