

AGLY DAM

FRANCE

Monitoring of a sensitive environment exposed to sudden and violent rises in the water level.

Located in the Agly valley, a coastal river of the Roussillon region, at 30 Km west from Perpignan, the Agly dam has 4 functions:

- To limit the rises in the water level (thousand year return flood of 3000 m³/s,
- To stock the water during the summer,
- The regulation of inputs,
- The production of electricity (2 megawatts micro-power station).

The characteristics of the project required the implementation of a specific water tightness system, associated with a monitoring and control of the dam hydraulics.

Piezometers and sensors installed in the draining gallery enable the precise measurement of the global percolation flow and the overall behavior.

Geotechnical and hydraulic sensors complement the measurements, which are remotely transmitted to the Nîmes control center.



CLIENT :	PYRENEES ORIENTALES DEPARTMENT AND MINISTRY OF AGRICULTURE
CONTRACTORS AND CONSULTING FIRM :	COMPAGNIE NATIONALE D'AMENAGEMENT DU BAS-RHONE ET DU LANGUEDOC
DATE OF WORKS :	1992-1993
WORKS CARRIED OUT :	
<ul style="list-style-type: none"> • Installation of: <ul style="list-style-type: none"> - 32 piezometers - 12 extensometers - Pressure sensors • Control of flood level during works 	