



**Country**  
France

**Client**  
SEDIF

**Date**  
2008-2011

**Cost of works**  
€9m excl. tax

### Sogreah services

- ▶ Full project management
- ▶ Supplementary assignment: communication (taking part in meetings, design and printing of information brochures and billboards)
- ▶ Environmental monitoring of works

In association with  
A. Le Houedec (Architect)

### Context

The "Pavé Blanc" site is located in the southern part of Clamart. On this piece of land belonging to SEDIF, there is a pumping station, two reservoirs, two valve chambers and many pipe networks.

The Clamart Pavé Blanc pumping station redevelopment operation includes constructing new, equipped, suction and pumping structures that are connected to the pipe networks, as well as demolishing all of the existing facilities, whilst ensuring the station and the networks are fully functional during the works.

### Sogreah's assignments

- Creation of a new, 14 x 28 m, pumping station, located at a depth of 8 m, on the same site as the current station.
- Reorganisation of the site's interconnected networks.
- Making sure the current station and networks are fully functional while works are being undertaken.
- Pumping flow rate: 2 x 1,400 m<sup>3</sup>/h.
- Pumping units: 3 sleeved pumps (including 1 back-up pump).
- Protection: two 10 m<sup>3</sup> surge vessels.
- Recirculation of water between two pressure levels:
  - At night: D3 stress relief, Q = 500 m<sup>3</sup>/h ;

- In the event of an emergency: D1 stress relief, Q = 2 000 m<sup>3</sup>/h.

- Architectural and landscaping project for the new station.
- Demolition of the current station.

### Project features

- Complex phasing schedule for the works because the existing facilities need to be kept in operation during the works.
- Strong architectural constraint linked to the integration of the facilities in the Bourgogne business park and to the fact that the future T8 tram line (Chatillon - Vélizy-Viroflay) will go through this area.