

# Choisy le Roi Water plant

## Goal



The water plant is processing the water of the Seine river to deliver drinking water to reservoirs and pumping stations connected to the south suburbs water networks of Paris.

The Supervision & Control system must ensure a continuous service without failure on:

- 20 functional Units of the main plant, managed by 120 PLC;
- More than 90 remote areas:
  - 15 reservoirs et 15 secondary plants
  - 30 chemical stations (chlorine processing and analysis)
  - 2 pollution alert stations
  - More than 30 valves and inter-communication chambers

## Our Solution

Atos Origin proven ADACS™ Supervisory and control System and it's network:

- Real-time acquisition through 120 PLC (Programmable Logic Controllers)
- Remote controls and adjustments decided by the operator are sent to the PLC
- Long term production data archiving and retrieving
- Helpful online guidance and control tools for data and mimics configuration
- Pumping program management
- Periodical dispatch of the regulation data for the pumping groups, depending on the seasons and economical constraints
- Management of the maintenance programs of the plant equipments
- Remote control of the pumping and chemical plants along the transmission pipe
- Time synchronization and data exchange between PLC

1,7 millions people  
supplied

0,35 millions cubic meter  
daily production capacity

Biological train with  
"ozone-activated carbon  
filtration"