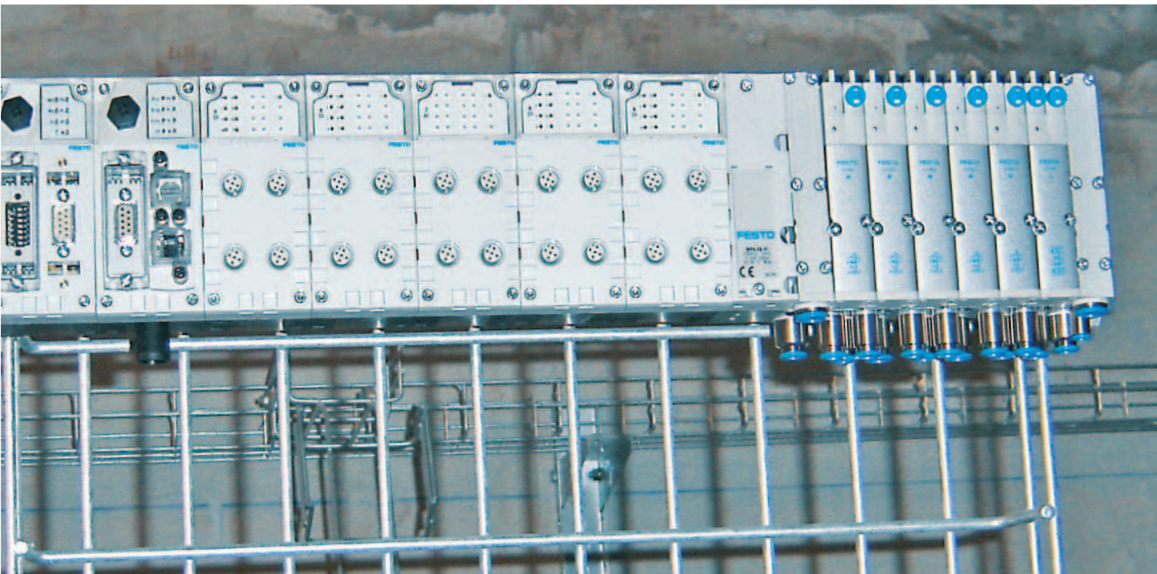


Intelligent automation for filtration basins

FESTO



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Customer information

The Stereau group in Louveciennes, France, is specialised in the planning and project engineering of water treatment systems. Their primary customers are municipal organisations who are responsible for providing and managing water resources. The Grésillons project is very important for the SIAAP (Paris region), because the new system is intended to treat 100,000 cubic metres of wastewater per day.

Task

- Provide for automated control of 28 filtration basins
- Each basin must be equipped with an interface to the central Allen Bradley controller.
- Maximise reduction of electrical and pneumatic installation costs
- Diagnosis: quick detection of system malfunctions

Solution

- Install 28 decentralised electrical CPX terminals, in order to ensure the control and acquisition of all filtration basin data
- Fieldbus link between the valve terminals and the central Allen Bradley controller via DeviceNet
- Integrated intelligence (FEC) allowing for local administration of the control loops, and making safety positions possible
- Electrical and pneumatic cabling with IP67 protection for open installation without safety coverings (economical and cost reducing)
- In order to shorten and reduce commissioning time, training and assistance provided by Festo during start-up to all those involved in the process



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