



Achères, Paris / France

Europe's largest and most modern nitrification plant relies on InterApp technology.



DESAPONIA
BUTTERFLY VALVES:

1,686

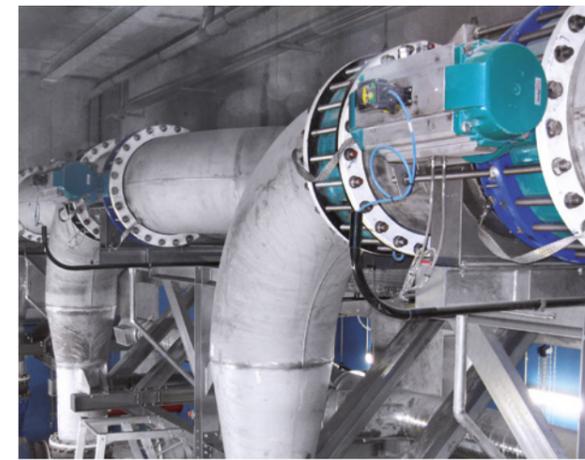
of which 600 units
larger than DN800 mm

DRY TIMES CAPACITY  **20** m³/s

RAIN DAYS CAPACITY  **45** m³/s

PEAK TIMES CAPACITY  **52** m³/s

WATER TREATMENT FOR  **8** million people



SIAAP has been purifying water for the more than eight million people living in the Greater Paris area since 1970. Its main aim is to protect the Seine and Marne rivers while constantly improving the treatment of waste water. When SIAAP needed to build a new nitrification unit at the purification plant in Achères, west of Paris, the OTV-DEGT consortium was tasked with planning, developing and implementing the project.

Today, the Achères plant is the largest and most modern nitrification plant in Europe. The volumes of waste water treated at this unit are impressive: 20 m³/s during periods of dry weather, 45 m³/s on rainy days and up to 52 m³/s at peak times.

When the project was put out to tender, InterApp was awarded the contract to develop, manufacture and supply the butterfly valves on the grounds of its proprietary technology, experience in handling largescale projects and outstanding customer service.

One of the challenges at this station equipped with filter systems was the need for accurate and simultaneous cell-by-cell operating times to comply with treatment procedures. Also, InterApp had to come up with a solution that prevented the polystyrene globules in the water from escaping whenever the filters have to be emptied.

Based on its proprietary Desponia butterfly valves, InterApp developed and implemented a system designed to the specific requirements of the nitrification plant at Achères. InterApp supplied a total of 1,686 butterfly valves, including more than 600 with over DN800 mm, both manual and pneumatic to fit the Biostyr® OTV cells. 252 butterfly valves of DN800 mm were specifically designed and built to prevent the polystyrene globules from escaping.

The OTV-DEGT consortium benefited from InterApp's experience in handling largescale projects with ultra-short response times.

By offering a comprehensive package with both proprietary InterApp and third-party products, the OTV-DEGT consortium was able to obtain the most technologically advanced and cost-effective solutions available on the market.

InterApp is a subsidiary of the international AVK Group and develops, produces and distributes valves and valve systems. As a customer-focused technology and project management company, InterApp supplies the most innovative fluid technology solutions for the most sophisticated applications and industry sectors in the world.

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