



Amsterdam Airport Schiphol Aerobic wastewater treatment

Client

The Royal Schiphol Group is an aviation company that runs Amsterdam Airport Schiphol and also owns and operates regional airports. Amsterdam Airport Schiphol is one of the largest intercontinental airports in Europe and home base of Air France - KLM. The number of passengers served is over 68 million and the cargo volume amounts to about 1.7 million tons. The airport site accommodates about 500 companies that together employ around 65,000 people.

Case

In 2004 Schiphol decided to outsource the wastewater treatment of the airport in a strategic partnership to Evides Industriewater. With this partnership the business continuity, knowhow and quality of the wastewater are ensured for the future.

The wastewater treatment plant (WWTP) is situated at the airport site, near Amsterdam. The site treats daily approximately 4.000 m³ of wastewater in a biological way. The wastewater originates from terminal passengers, companies at the airport site and directly from the airplanes. After treatment the effluent complies to regulations and is disposed to the local surface water.



Solution

Since 2004 Evides Industriewater has owned and operated the WWTP at Schiphol airport on a DBFO basis (Design, Build, Finance and Operate). The expertise of Evides Industriewater allows Schiphol to focus on its core business.

In a digester organic matter in the sludge is converted to biogas. This is used as heating for the digester and the buildings. This is an improvement of energy efficiency and a reduction of the carbon footprint.

Due to the growth of Amsterdam Airport Schiphol the capacity of the WWTP will be increased. Improvements in the WWTP are implemented to keep up with the airport regulations and technology.

In 2017 Evides Industriewater implemented the DEMON® technology to remove nitrogen from the wastewater in a cost-efficient and sustainable way. This expansion and improvement are part of the services supplied to keep the wastewater treatment plant sustainable, cost-efficient and future proof.

Your partner for water management

Evides Industriewater is part of Evides, the drinking water company in the Southwestern part of the Netherlands, and has been a reliable and inventive water partner for the industrial sector since 1968. Evides Industriewater supplies 100 million m³ of process water each year (partly via re-use solutions) and treats a similar quantity of wastewater.

These services are provided via 77 assets, including 13 DBFO sites, which are built, owned and operated by Evides Industriewater throughout North-West Europe.

Features

*Start of operation
2004*

*Products / service
Treatment of wastewater originating from passengers, airplanes and companies at Amsterdam Airport Schiphol.*

*Number of companies connected
Approximately 70 (airport, companies, airplanes, related companies)*

*Capacity
55.000 pe
4.000 m³/day*

*Technology
Aerobic treatment and
sludge digesting.*

