

Case Study – triogen® AOP High End Private Swimming Pool in the UK



Application - Private Swimming Pool
Site - Belgravia Gate, London
Installation type - Retro fit
Equipment - AOP

Suez Purification and Disinfection Systems Ltd (PDS) worked with our UK business partner Aqua Platinum at the end of 2018 to upgrade the water filtration system at a private swimming pool to include an AOP water treatment systems.

Challenge

The high end client had identified that they needed to add an appropriate system to achieve better water quality. The consultant Aqua Platinum had specified that triogen® AOP was the best solution for this client. SUEZ triogen had to work with Aqua Platinum in order to convince the customer of the benefits of using triogen® AOP for secondary disinfection.

Site

This private commercial / residential development has 1 Lap Pool with a circulation rate of 55m³/hr and 3 Spa Pools at 45 m³/hr. General usage is 60-80 people per day. Aqua Platinum & Suez PDS designed and installed 2 AOP 150 units.

Features of Equipment

- Minimal plantroom space required
- Low capital cost and installation cost
- Simple to install and operate

Operational Improvements

- Reduced backwashing
- Reduced chemical consumption
- Safer pool water
- Treatment of chlorine resistant micro organisms (crypto, giardia and legionella)
- Reduced skin, eye irritation and respiratory irritation to bathers
- Reduction of Trihalomethane (THM) levels.
- Improved water clarity
- Savings in water and chemical consumption

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Solution

triogen® AOP was chosen due to the brand and reputation in the market. The trust that the equipment offered was properly sized for treatment and efficient destruction of chlorine resistant bacteria including unwanted chloramines & THM's, with no risk of the accumulation of undesirable by-products. The equipment will give long life and reliable operation.



Outcome

The outcome was the successful sale and installation of the triogen® AOP system. Due to this there will be significant visual improvement in the water clarity. The bather experience will also be improved with safer water and no irritation from the undesirable by-products that are found in traditional chemically only treated pools. The project was delivered on time and in budget and is now in operation as expected.

Equipment

The triogen® AOP complete with:

- Simple to install skid mounted packaged system
- Chloramine destruction reducing skin, eye and respiratory irritation
- Ozone safely generated and injected under vacuum
- Proven advanced oxidation process system since 1999
- Significant improvement in water clarity and air quality
- Reduction of Trihalomethane (THM) levels
- CE marked, UL listed.
- Manufactured to ISO 9001 : 2015.

