



Waterco Europe
Swimming pool water treatment

Dubai, United Arab Emirates



Jumeirah
ZABEEL SARAY



Waterco filters were installed with minimal disruption in luxury 5* resort pool

Waterco's water smart swimming innovations are recognised the world over, especially in one of the world's driest cities: Dubai.

Built at breakneck speed in the United Arab Emirates (UAE) desert, Dubai's continued growth presents challenges to large-scale development — especially those boasting luxury swimming pools and aquatic facilities.

One of the greatest hurdles to sustaining 1.8 million people in an extremely arid location is water, which in the coastal city is abundant but not potable.

“*The lagoon water is now crystal clear, and the leaking issues are resolved*”

WATERCO
water, the liquid of life

Waterco Limited (ASX:WAT) pioneers reliable solutions for healthy, safe water environments, which are used in residential, commercial and industrial applications in over 40 countries. Established in 1981, it has become a global brand recognised for designing and manufacturing filtration and sanitisation equipment for the aquatic, aquaculture, and water treatment sectors.

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Reducing water losses in luxury hotel lagoon pool

When [Palm Jumeirah's Zabeel Saray Hotel](#) 4000m³ lagoon pool began leaking precious water, Waterco was the equipment of choice to provide a reliable water filtration system that could be installed without disrupting the daily operations of this luxury hotel in any way.



The original plant room consisted of four 2000mm horizontal filters

The original plant room installed in 2011 consisted of four 2000mm horizontal filters installed in two plant rooms, all of which had started leaking within just a few years of installation. Despite several attempts to repair them, engineering staff were unable to rectify the problem.



“Replacing the faulty filters with the same sized units was not an option, as this would have required breaking up several public areas of the hotel to gain access to the plant room, install the filters, then rebuild after work,” explains Waterco Europe’s Sales Director Jo Ainsworth.

“With restricted access to the plant rooms, they were looking for a solution that would not disturb the daily operations of the hotel in any way,” she continues. “It was also crucial that work was carried out in a well-structured and timely manner.”

36 customized SMD900h deep bed filters designed to fit within the location without the need for any structural disruption to the hotel.



“Waterco SMD900h are easy to manoeuvre on to the site and install in the plantroom with minimal disruption to the hotel’s day-to-day operations.” Explains Jo

Replacing filters without reconstruction works or disruption

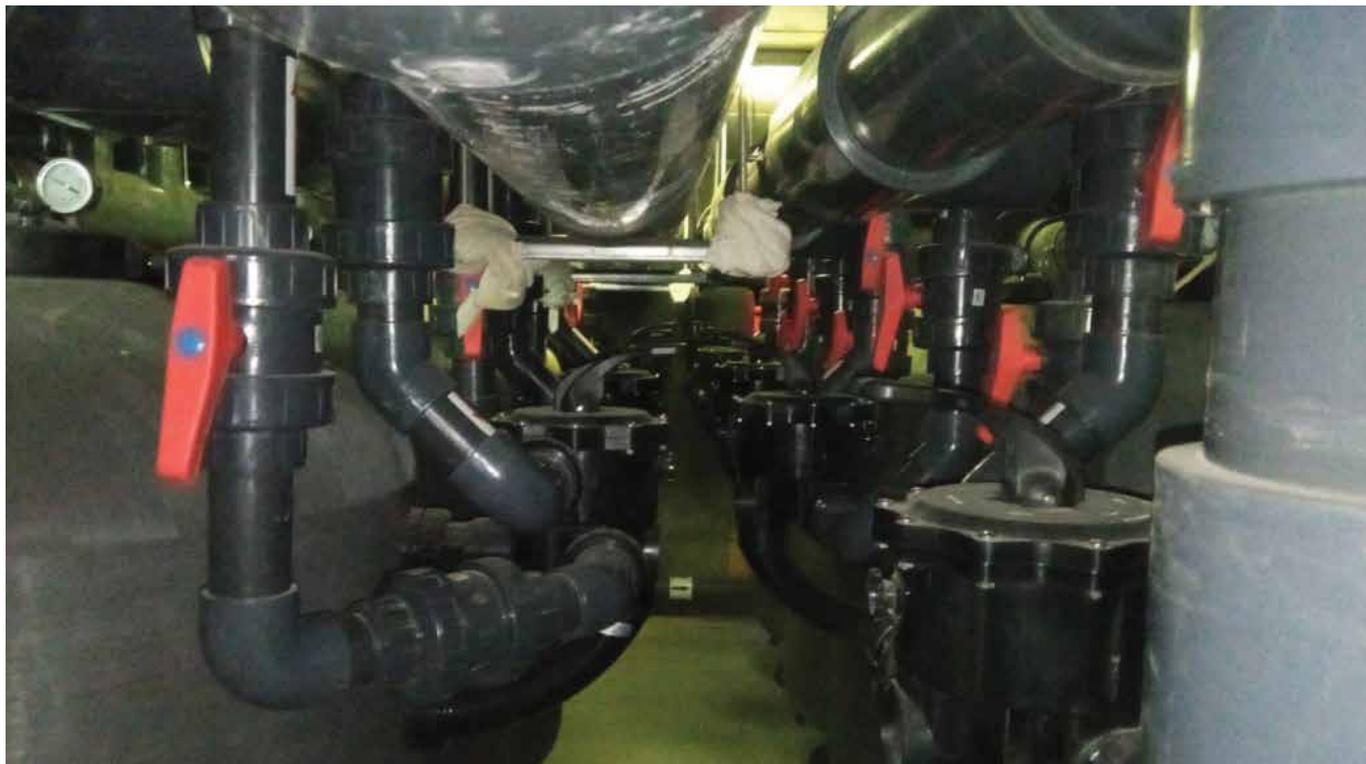
Well-known for delivering superior water treatment solutions since 1996, Compass - Those Pool Guys — [the largest stockholder of Waterco equipment in UAE](#) — proposed a different solution of breaking up the old filters onsite to remove them before replacing them with multiple smaller diameter filters.

Working in conjunctions with Compass - Those Pool Guys, [Waterco Europe](#) offered a solution to supply 36 customized SMD900h deep bed filters designed to fit within the location without the need for any structural disruption to the hotel.

“Crucially, these filters need to match the required flow rate, velocity and bed depth of the existing filters,” explains Jo. “Being only 900mm in diameter, the SMD900h filters are easy to manoeuvre on to the site and install in the plantroom with minimal disruption to the hotel’s day-to-day operations.”

Compass – Those Pool Guys and Waterco were the only companies to offer a viable solution of fixing multiple small filters without disturbing the daily hotel activity in any way.

“All of the other companies were proposing to replace the originals with like-for-like filters, which would have been a major disruption to guests and hotel staff,” says Jo. “This would have been a very costly option that would have taken much longer due to the required demolition and re-building works.”



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Solving water leaks and maintenance issues

The original filters were successfully replaced with Waterco filters within a short time frame, with no need for costly reconstruction works and no disruption or closures of the hotel’s coveted public areas.

“The lagoon water is now crystal clear, and the leaking issues are resolved,” Jo explains. “An added benefit is that maintenance has become significantly easier with multiple smaller filters. If in future one needs servicing, we simply isolate that particular filter and keep the others running without affecting water quality or having to close the pool.”

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