



Commandos get advanced disinfection for training pool

The Australian Army's newly consolidated and upgraded Holsworthy Barracks in Western Sydney features a raft of new facilities including the relocated School of Military Engineering. In all, 13 defence units and four defence facilities are relocating to the new purpose-built, best-practice base.

As part of the upgrade, Crystal Pools built a new 4ML indoor training pool for the commando units, with the water treatment supplied by Trisley Hydraulic Services.

The advanced on-site bulk liquid chlorine generator, the Wallace & Tiernan OSEC-NXT, was installed to handle the disinfection, along with UV.

Wallace & Tiernan aquatic market distributor Tim Batt says that the OSEC-NXT takes advantage of the fourth generation of their innovative membrane type technology.

"It automatically produces liquid chlorine at a consistent 2.5 per cent strength into a bulk tank which is dosed to one or more pools as required," he says. "From

12kg to 60kg per day of neat available chlorine can be produced – enough for most aquatic centres."

He also says that the system has the lowest salt and energy consumption of any system, meaning less salt in the water with water quality equivalent to a chlorine gas pool.

"Lower chloride levels in the pool also mean less corrosion risk," he says. "Cooling water can go into the balance tank, saving on heating energy costs. Salt tablets are used in preference to granular salt and all salt is used up in the process, so there are no waste products."

The system also features fully automatic operation, controlled by tank level sensors and a touch screen user interface to keep it simple, as well as communications for remote diagnostics.

"More units of this state-of-the-art system are expected to be installed this year in Australia."

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ABOVE: The commando training pool.

LEFT: The Wallace & Tiernan OSEC-NXT advanced on-site bulk liquid chlorine generator

CENTER: Salt tablets are used in preference to granular salt

RIGHT: The pool also features UV disinfection

