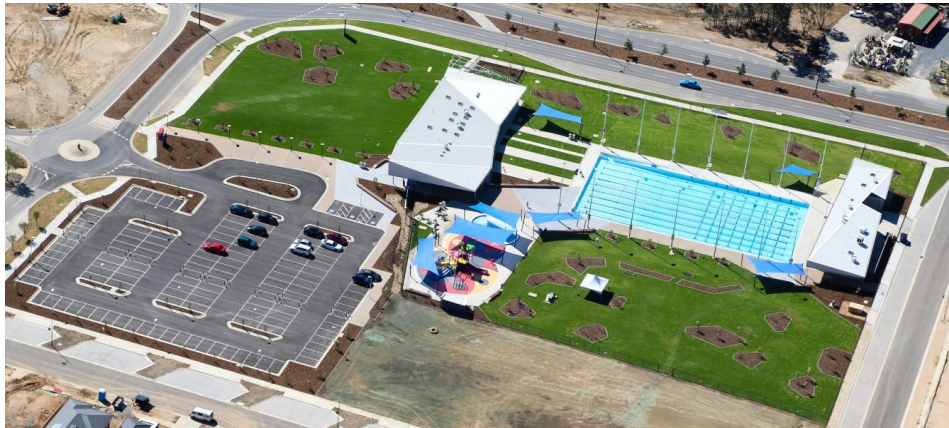


## WODONGA AQUATIC VENUE AND EXERCISE SPACE



### Overview

Wodonga City Council appointed Zauner Construction as the successful tenderer to undertake the construction of the new Wodonga Aquatic Venue and Exercise Space consisting of a 50-metre, 10-lane heated pool. There is also a splash pad area with interactive play facilities and an interconnected toddler pool.

The new facility will provide the capacity for Wodonga to accommodate local, regional and state swimming and water polo events.

### Structure and Services

- 50m x 25m pool with access ramp: Fully below ground reinforced concrete Olympic size pool with integrated wet deck concourse and fully tiled floor and walls with pool lane markings to allow for 50m or 25 m courses. The pool is heated but not enclosed, with an access ramp.
- Splash pool: Above ground reinforced concrete pool including 8 different water features and a central water slide feature. The base of the pool incorporates a 10mm rubber non slip safety surface.
- Plant room: Comprises of a below ground fully sealed reinforced concrete filter/balance/treatment tanks and above ground steel clad building housing the gas fired Cogeneration plant and all treatment and chemical dosing pumps and storage tanks. All water/power/heating is provided to all areas via underground pipe work from the main plant room.
- Pavilion: Reinforced concrete slab on-ground with steel framing, blockwork internal and metal clad external walls with metal deck roof and brick feature walls. Internal layout comprises of Male and Female toilets and showers, admin offices, multipurpose area and kitchen. The pavilion has roof mounted solar panels to supplement the hot water from the Co-Gen plant.
- A bitumen carpark and associated roadways provide parking for 42 cars and 6 disable parking spaces with electronic security gates. The whole site is fully landscaped and has extensive feature paving to connect all facilities.

### Co-Generation

A significant and exciting environmental feature of WAVES, is the installation and use of the emerging energy-efficient technology co-generation Capstone Microturbine System to reduce the environmental impact of the site and to save on energy costs. Zauner Construction was involved in the procuring and installation of the co-generation equipment.

The Co-generation unit will provide lighting and power for the entire site, heating for the pools through a heat exchange unit and providing power back into the external grid.

Benefits of using Capstone Microturbines:

- Ultra-low emissions
- One moving part – minimal maintenance and downtime
- Patented air bearing – no lubricating oil or coolant required
- Remote monitoring and diagnostic capabilities
- Integrated synchronization and protection
- Reliable – tens of millions of run hours and counting



### Time & Performance

Despite an unusual wet summer at the start of the project, causing significant delays as 50% of works were underground, this project was delivered on time and under budget to a very happy client.

### Client

Wodonga City Council  
Theo Panagopoulos  
Acting Manager  
Engineering and Parks  
Services  
P: 02 6022 9244

### Value

\$8.7m

### Construction Period

February 2012 to  
February 2013

### Location

Wodonga, Vic