



#### LOCATION

Ken's Bore, Western Australia

#### CLIENT

Mineral Resources Limited

#### DETAILS

New Build

#### FEATURES

Olympic-Sized Pool  
2 x Baja Shelf Lounge Areas  
Containerised Plantroom  
Salt Water Chlorinator  
LED Underwater Lighting

## Mungala Resort

The Mungala Resort aquatic facility in Ken's Bore - 125km southwest from Onslow, was designed to provide a high-quality recreational space for workers in a remote mining environment while maintaining the reliability, durability and efficiency required for mining camp infrastructure.

The project included a reinforced concrete pool structure, competition-length lanes, tiled finishes, LED pool lighting, heating systems and extensive pool accessories. The system also incorporates salt chlorination, automated chemical dosing, hydrostatic auto make-up water control and automated pool cleaning, ensuring safe and consistent water quality with minimal manual intervention.

To support the remote site location, a containerised modular plantroom was designed, allowing the full treatment system to be assembled, installed and maintained efficiently. The plantroom includes automated monitoring and alarm systems to notify operators of any operational issues such as pump failure or chemical imbalance.



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## MUNGALA RESORT

One of the key challenges of the project was delivering a large-scale commercial aquatic facility in a remote environment where logistics, access to materials and specialist trades can be difficult to acquire and coordinate.

To address this, a highly coordinated project management approach was adopted, planning procurement and logistics well in advance to ensure critical equipment with long lead times could be delivered to site on schedule. Many plantroom components were sourced internationally and required careful scheduling and coordination.

A key unique construction technique included in this project was utilising hydrophilic waterstops and specialised joint sealing systems within the reinforced concrete pool shell. These materials expand when exposed to moisture, helping to prevent water ingress through construction joints and improving long-term structural watertightness. Additionally, a construction philosophy where the concrete shell itself acts as the primary waterproof barrier was adopted. This eliminates the need for secondary waterproof membranes beneath the tile finish, which reduces the risk of tile delamination and improves durability over the life of the pool.

The facility at Ken's Bore achieves outstanding aesthetics via the use of tiled finished, integrated lane markings and clean architectural lines creating a visually appealing aquatic space that reflects the high standards of modern commercial pool construction. The expansive 50-metre water surface, illuminated by underwater lighting, creates a striking visual feature within the village, particularly in the evening.

The result is a facility that successfully balances robust commercial engineering with resort-style aesthetics, enhancing the amenity of the Kens Bore village while providing a welcoming space for recreation and relaxation.

We are proud to deliver the Olympic sized swimming pool at Mungala Resort, Western Australia, combining robust engineering, advanced water treatment systems and resort-style design in a complex remote mining environment.



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