



Case Study

Project: Palm Lake Resort, Fern Bay, NSW

Property Developer: Palm Lake Works

Products: Odyssey air exchange system



Overview

Odyssey brings a cool breeze to the Fern Bay Resort

Odyssey continues its journey into the Australian market with its inclusion into the premium Fern Bay over 50's resort north of Newcastle, NSW. The resort is part of the Palm Lake Group that operates across the east coast of Australia.

The Odyssey system was installed in 253 units at Fern Bay and solved a few challenges faced by the developers. Firstly, an automated energy efficient cooling system had to be found that would provide the required ventilation in the villas. In addition, the cost of providing alternative systems, requiring upgrades to the local power supply, would be prohibitive. Odyssey solved both these challenges.

The local residents have praised the Odyssey system for its ease of use, including the touch screen panel. Odyssey provides many benefits including a cool, fresh home, automatically or on demand. The system also reduces condensation and mould and removes unwanted odours. The cooling function offers relief on those stifling hot days and a comfortable sleeping environment at night. In the cooler months, when homes are colder inside than out, the system can draw warmer outside air into the home, and manage potentially damaging condensation.



The Odyssey System

With a smart Odyssey air exchange system you can say goodbye to hot, uncomfortable summer nights and damp, musty winter air. Just set it and forget it using award-winning hybrid technology. Odyssey is the innovative and energy efficient way to create a gentle flow of fresh air throughout your home. All you have to do is set your preferred temperature on the easy-to-use touch screen control. Odyssey's sensors will constantly monitor the temperature and humidity inside and outside your home, and switch Odyssey on and off to maintain your pre-set comfort level.





Home Design

The Palm Lake Coastal Collection of homes at Palm Lake Resort Fern Bay consists of single storey homes with six standard designs ranging from 170 – 250m².

With two bedrooms, most with ensuite and walk-in robe to the master bedroom and featuring plenty of storage plus large living spaces, this collection of homes is perfect for those seeking to downsize their home but not their lifestyle.

The homes all comprise of the best quality finishes and high specifications as standard inclusions. The Odyssey cooling system not only complements the design and style of the homes but further enhances the energy efficient building materials used, like Hebel® PowerPanel^{XL} external cladding and Colorbond® roofing.

The high end finishes of the collection include large porcelain tiling, top quality carpet, stone bench tops and 2 pac cabinetry in the kitchen, bathrooms and laundry. Comfort has been designed in with air conditioning, ceiling fans, epoxy flooring, insulated garage spaces and large covered alfresco areas.

Property Developer

Palm Lake Works, the construction arm of the Palm Lake Group, prides itself on being a builder that is effective, efficient and of the highest quality. Palm Lake Works has a large, dedicated construction team that only build Palm Lake homes. They have developed in depth knowledge, expertise and building skills that suit the Palm Lake product creating consistency of quality throughout each and every home.

Building with energy efficient materials including Hebel® PowerPanel^{XL} external cladding and Colorbond® roofing to maximise savings on energy costs in the future, the addition of the Odyssey system only complements and improves on this power efficiency.

While air conditioning comes as standard in all homes' living area and master bedroom, the Odyssey system allows for improved energy efficient cooling, allowing residents to only need the air conditioning on the hottest of hot days.



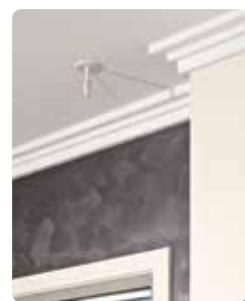
The Odyssey System



Ventilator head connected to the ceiling grille



Easy to use touch screen control



Internal sensor monitor



Easy to clean ceiling grill



External sensor monitor

