



Largest Evaporative Air Conditioning Contract in the World Delivered by Seeley International

Project Address: Mina City
Mecca, Saudi Arabia
Distributor: Alsaeed HVAC

Seeley International has successfully completed the world's largest order for evaporative air conditioners, resulting in around 50,000 Australian-made Breezair air conditioners being installed in the permanent tent city in the Mina Valley, Saudi Arabia.

Project requirements

- Lower inside temperatures than existing air conditioning units
- Lower running costs, electricity
- Reliability and durability on product and installation performance
- Improved comfort and wellbeing of pilgrims with fresh air instead of contaminated air recycling inside the tents
- Within very short project time frames for supply, installation and commissioning.

Solution

The Breezair evaporative air conditioner was found to outperform more than 200 other air conditioning brands and delivered spectacular results against a comprehensive set of criteria that included energy-efficiency, reliability, performance and low environmental impact.

The three year tender evaluation process saw Breezair and other contenders tested on site over several months, in all conditions and seasons, including comparative tests done during a pilgrimage to assess performance under real-world conditions. The inbuilt safety mechanisms, economical use of water, ease of control and compact design were critical in Breezair being successfully selected.

The harsh summertime temperatures in the Mina Valley, which easily reach more than 45°C, were overcome by the capability of Breezair evaporative air conditioners, which kept people comfortable and provided them with fresh naturally cooled air.

breezair.com

Breezair air conditioners feature mini-cell Chillcel® pad technology developed by Seeley International; the only manufacturer able to offer evaporative cooling pads that are fully manufactured in Australia and specifically designed to maximise cooling in the harsh climates.

The enhanced small cell design of the revolutionary mini cell structure is the culmination of years of development and rigorous testing, and achieves up to 25% more cooling capacity than the standard range.

Installation

Being awarded this significant supply contract reflected the strength, innovation and durability of Breezair evaporative air conditioners. Also providing an opportunity for Seeley International to showcase its ability to deliver on large scale orders within a very short and specific timeframe.

As part of a commitment by the Saudi Government and Ministry of Hajj to improve accommodation for pilgrims in the Mina Valley, a four year air conditioning replacement plan was started in 2015. Seeley International fast tracked production and installation so the project was well ahead of schedule and completed ahead of final deadlines.

Breezair is the coolest, quietest and most energy efficient evaporative air conditioner in the world, offering cooling comfort levels. With far superior energy efficiency, along with the added health benefits that come with bringing fresh air into a room rather than recycling stale air, all of these factors combined, helped Breezair to be selected.

Seeley International's investment in global leading research and development of innovative manufacturing techniques further strengthens its market leading reputation. Alsaeed HVAC, as the local Breezair distributor, provided a turnkey solution on time, within required specifications, and supervised the commissioning activity during the pilgrimage.

Results

The issue of improved energy efficiency is of great importance, and the Saudi Government and Ministry of Hajj wanted to proactively achieve substantial energy savings. Achieving a 35% energy saving in the Mina Valley demonstrates advanced technology and a strong commitment to the environment.



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