

Temperzone quietly kicks a goal for rugby fans



The new 260-room Novotel Auckland Airport Hotel will open its doors in time for the 2011 Rugby World Cup. When it does, guests should be in for a good night's sleep... because Temperzone is playing an important part.

The Kiwis can be justly proud of Auckland Airport. However, while it was judged one of the ten best airports in the world in 2009, until now there has been one important facility unavailable for travellers. The airport's management team realised there was significant demand from the tourism industry and travellers for a hotel in the airport terminal precinct.

That will soon change with the opening of the Novotel Auckland Airport. The hotel, a joint venture between Accor Hospitality, Tainui Group Holdings and Auckland International Airport, is already under construction and should deliver yet another string to the bow of to the highly regarded Auckland Airport.

QUIETLY WORKING BEHIND THE SCENE

In every great hotel, the comfort of guests is of paramount importance. That's where Temperzone became involved. Temperzone was originally approached by the joint venture's mechanical

services consultant. The consultant wanted to know whether Temperzone could offer a fan coil unit that would be highly energy efficient and, most importantly, extremely quiet. At the same, the technology still had to represent value for money in the market.

Temperzone had been exploring the value in deploying Electronically Commutated Direct Current (ECDC) motors, in terms of the controllability and efficiency of the motor. The Temperzone engineering team responded promptly. Tests were conducted on a newly developed motor installed in a traditional low height fan coil unit – similar to those often used in Hotels and hospitality venues. Further testing involved the new motor combined with some additional acoustic insulation to reduce reverberant noise on the return plenum.

The result is a unit that is considerably quieter than anything we have produced, and considerably more energy efficient, . It is ideal for the new hotel building which itself is heavily acoustically insulated. This creates a very high level of thermal insulation, and means the units will be predominantly operating in cooling mode, with very low requirement for heating.

The new fan coil has the ability to control the fan speed from as low as 500rpm up to 1400rpm using either a 0-10v control signal, or a traditional three speed fan setting via dip switches.

The new units will be utilised in each of the 260 rooms in the hotel, making it a significant deployment of newly upgraded technology.

WORLD CLASS WELCOME

When completed, the new Novotel Auckland Airport will offer a world-class hotel of 4-star plus quality on the perimeter of Auckland Airport. Its completion in time for the Rugby World Cup 2011 will provide long-haul travellers with a welcome opportunity to recover from their journey – not to mention a typical warm and friendly New Zealand welcome. New Zealand developer Tainui is the lead developer and investor in the joint venture, with Auckland Airport holding a minority interest. The completed hotel will be managed by the internationally renowned Accor Group.

It's no small undertaking, with a total forecast completed cost is \$65million including hotel construction estimated at approximately \$45million. Designed by Warren & Mahoney Architects, the Novotel Auckland Airport's design incorporates

subtle references to NZ culture and heritage, offering style, convenience and a great first and last impression to travellers. In addition to the 260 international standard rooms, the hotel will provide first-class conference facilities.

It is believed that the hotel will also generate considerable long-term economic growth and provide many new jobs for the Auckland region. The hotel will assist Auckland and New Zealand tourism and trade by providing a global gateway to Auckland, enhanced by its authentic and unique New Zealand character, underpinned by the outgoing personalities of the local staff working in the facility.

The Novotel Auckland Airport is a major project for the city and everyone in the Temperzone team has enjoyed working on the hotel and coming up with a truly innovative solution to the challenges it offered.

There is only one limit to the hospitality on offer in 2011. There wouldn't be a single Kiwi who would be keen to see the World Cup slipping through the hotel or the airport after the series is complete.