



**Union Railtrack (Australia) in conjunction with the expert help of the Gantrail design team supplied technical expertise - 89 kg Railtrack and Gantrail 9220/20 clips to secure two rails each side of the Arena for a sliding roof.**

This world class entertainment stadium was designed by Perth company Cameron Chisolm and Nicol and was constructed by BGC Western Australia.

#### **AIMS**

- To design and build an Entertainment and Sports Arena complex in the City of Perth Western Australia.
- It will have a seating capacity of 12,000 people for sporting events and 14,000 for concerts.
- Incorporate a retractable roof which will give an open air facility for sporting events. Attract world class performers and international sporting events.

**END USER:**  
Perth Arena  
Sporting and  
Entertainment Complex

**OPERATOR:**  
Venues West

**CONTRACTOR:**  
BGC Contractors  
Vector Lifting

**LOADS:**  
2000 tonnes

#### **KEY BENEFITS:**

- Provision of a much needed indoor sports and entertainment complex
- The sliding roof has been incorporated to accommodate the Hoffman Cup; a world class tennis event played in Western Australia as a lead into the Australian Open

## TIMESCALE

Design was released in 2007 and went through rigorous engineering consultation regarding the capacity of 89 kg rail, the 9220/20 Gantrail weldable base clips and the MKVII Gantrail reinforced rubber pad due to the excessive winds Perth can generate. With the help of the engineering and design staff at Gantrail this was given the go ahead in 2008 for installation.



## INSTALLATION

The project consisted of;

- 89kg rail 484 mts (44 x 11.89 mts)
- 1200 off Gantrail 9220/20 weldable base clips
- 484 mts Gantrail MKVII -168 reinforced rubber pad to suit 89kg rail.



The rail was joined using an aluminothermic welding process and installed by Vector Engineering in December 2008.

## OUTCOME

The Perth Arena is scheduled to be open in 2011 giving Perth Western Australia a state of the art, world-class sporting and entertainment Arena.

