

Oman Convention & Exhibition Centre



Project description

The new Oman Convention & Exhibition Centre, due for completion in 2016, is sure to be one of the finest facilities of its kind in the Middle East. It is located just 10 minutes from the new Muscat International Airport, making access easy for international visitors. The centre will host international, regional and national conventions, exhibitions and business events. Its many features include a tiered auditorium with seating for 3,200 people, and more than 22,000 square metres of exhibition space. The venue is among the first to be built to meet the rigorous LEED certification by the U.S. Green Building Council.

mageba scope

16 RESTON®SPHERICAL bearings were used in the construction of this impressive building. These were designed in accordance with a European Technical Approval (ETA 08/0115) to carry vertical loads of up to 19,800 kN, while accommodating horizontal sliding movements of up to +/- 105 mm. The bearings were fabricated using weathering steel, and ROBO®SLIDE high-grade sliding material instead of the PTFE normally used in structural bearings, greatly increasing their durability and strength. The high strength and thus smaller size of RESTON®SPHERICAL bearings with ROBO®SLIDE makes them a particularly attractive solution for architectural applications.

Highlights & facts

mageba products:

Type: RESTON®SPHERICAL bearings
Features: ROBO®SLIDE high-grade sliding material, weathering steel
Testing: Politecnico di Milano
Installation: 2014

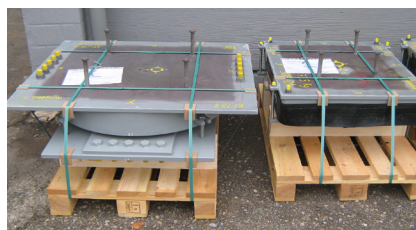
Structure:

City: Muscat
Country: Oman
Type: Convention Centre
Designer: Parsons
Contractor: Khalid bin Ahmid

The centre is located in Hay al Ulfan, near the new Muscat International Airport, Oman.



RESTON®SPHERICAL bearings (fixed type on left, sliding on right) on pallets for shipping to site.



Installation of a large RESTON®SPHERICAL bearing with capacity of 19,800 kN.

