

Sydney Opera House (Australia)



Project description

Since its opening in 1973, the iconic Sydney Opera House, located in Sydney Harbour in Sydney, New South Wales, has been one of the world's most famous buildings, with its distinctive roof of sail-shaped shell structures.

As one of the most popular visitor attractions in Australia, the site is visited by more than 8 million people annually, and approximately 350,000 visitors take a guided tour of the building each year.

In 2007, the building also became a UNESCO World Heritage Site.

After almost 50 years serving the performing arts, the building underwent a major upgrade, ensuring that it can continue to serve for many more years.

mageba scope

To meet the demands of the client mageba supplied RESTON® SPHERICAL bearings for the project.

Following the approval of the products' designs, the structural bearings were fabricated in mageba's Shanghai factory and shipped to Sydney.

Upon arrival, they were tested at mageba's NATA-certified laboratory (ILAC MRA) in Sydney using a project-specific test setup, and delivered to the Opera House.

Finally, to ensure the proper long-term performance and to avoid any delays arising from errors or queries, mageba's local staff were on site to supervise the bearings' installation.

Highlights & facts

mageba Products:

Type: RESTON® SPHERICAL spherical bearings
Installation: 2020

Structure:

City: Sydney
Country: Australia
Type: Opera House
Construction: 1959–1973
Contractor: Icon Metal, Taylor Construction
Client: Sydney Opera House Trust
Designer: ARUP

The project is located in Sydney – the largest city of Australia



Testing of a RESTON® SPHERICAL bearing at mageba's NATA-certified laboratory in Sydney



One of the installed bearings

