

Fact Sheet



ArtScience Museum at Marina Bay Sands

Introduction

- With a form reminiscent of the lotus flower, ArtScience Museum designed by renowned architect Moshe Safdie has been called “The Welcoming Hand of Singapore” by Mr. Sheldon Adelson, the visionary chairman of Las Vegas Sands Corp.
- The iconic ArtScience Museum will host blockbuster international exhibits as well as permanent exhibits on three floors of gallery space across 6,000 square meters.
- There are 21 galleries in total.
- The roof of ArtScience Museum allows rainwater to be harvested and channeled down through the center of the structure to the reflecting pond at the lowest level of the building. Rainwater is recycled and redirected through the water feature to create a continuous cylindrical waterfall. The rainwater is also recycled for use in the museum’s bathrooms as part of Singapore’s Green Mark program.
- Surrounded by a 4,000 square meter lily pond reflecting pool, ArtScience Museum floats over a dynamic new urban terrace with commanding views of Singapore and Marina Bay Sands.

Fast Facts

- Total of 10 “fingers” that make up the building form plus two bay windows with special views of Singapore and Marina Bay Sands.
- The interiors of the “fingers” are unique gallery spaces with natural lighting from the fingertips illuminating the sculptural interior wall forms.
- Tallest “finger” stands 60 meters above ground.
- Efficient structural design by Ove Arup & Partners made the museum’s complex building design based on spherical geometries, easy to construct. State-of-the-art 3D technology was used to design, engineer and construct the museum.
- The fingers’ primary surfaces are made of special Glass Fiber Reinforced Polymer (GFRP), which has never been used in a project in Singapore. The material is typically used in the skins of high-performance racing yachts.
- Total amount of GFRP used – 12,500 square meters.
- Customized bead-blasted stainless steel manufactured in Japan by Mitsubishi Plastics clad the sides of the fingers.
- Total amount of Stainless Steel cladding used – 5,300 square meters.
- ArtScience Museum contains 5,600 structural steel members weighing 5,200 tons.
- The contractors are Penta Ocean (Japan), DK Composites (Malaysia), Yongnam (Singapore), L&K Engineering (Taiwan), Bi Water (Hong Kong), Alfasi Construction (Australia), Sunray Woodcraft (Singapore).
- At its peak, over 700 construction workers were onsite.