

# National Grand Theater of China

case study  
By Yu Yan

Location: Beijing, China



**Architect:** Paul Andreu

**Owner:** ALPOLIC, BFM

**Year of completion:** 2007

**Climate:** Dfa

**Material of interest:** Glass

**Application:** Facades

**Properties of material:** It is a curved building, with a total surface area of 149,500 square meters, that emerges like an island at the center of a lake. The titanium shell is in the shape of a super ellipsoid with a maximum span of 213 meters, a minimum span of 144 meters and a height of 46 meters. It is divided into two by a curved glass covering, 100 meters wide at the base.

**Sources:**

<https://www.archdaily.com/1218/national-grand-theater-of-china-paul-andreu>

