

Datong Art Museum

Datong, China
2010 - 2021

Client	Datong Municipal Administration of Culture Broadcasting Television Press & Publication
Appointment	2010
Construction start date	2011
Construction end	2021
Site Area	51605 m ²
Gross Area	32,000 m ²
Building Footprint	13313 m ²
Dimensions	Height: 34m Width: 147m Length: 155m The grand gallery height: 37.5m
Number of Buildings	1
Number of Storeys	3 storeys 1 basement
Structure	Steel structure and concrete base. Reinforced concrete shear wall and space truss roof.
Cladding	Curved profiled, oxidised steel roof cladding.
Main Materials	Concrete (Structure) Steel (Structure) Corroded Steel (Cladding) Plaster Boards (Interior)
Energy & Carbon	High-level skylights take advantage of the building's north and north-west orientation, reducing artificial lighting demands. A high-performance enclosure reduces energy use. The roof (accounting for 70 per cent of exposed surface area), is insulated to twice building code requirements.
Materials & Waste	Steel structure with Corten steel facade, aluminium sheets as main roof build-ups.

Wellbeing

Provide public space and sunken courtyard to introduce natural light to the basement space. Art education space such as library, information center, lecture hall.

Awards

Gold Award of China's Construction Engineering Steel Structure (2012, the highest honour of Chinese steel structure industry)

For further information

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