

Project

Chengdu Science Fiction Museum

Location

Chengdu, China

Date

2022 / 2023

Client

Chengdu Science and Innovation City Investment and Development Co.

Status

Built

Size

59,000m²



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Launching the careers of many renowned Chinese authors over the past five decades, Chengdu is the country's leading incubator of science fiction writing. Showcasing the city's contribution to the genre's evolution and popularity around the world, the new Chengdu Science Fiction Museum has opened by hosting the World Science Fiction Convention (Worldcon) and Hugo Awards, the first time the events have been held in China.

Surrounded by mountain ranges and forests, the city of Chengdu has cultivated unique local traditions and culture rooted in its rich history that includes the celestial forms within the carvings and masks of the Bronze Age Sanxingdui civilization. The capital of Sichuan province in Southwest China, Chengdu has grown to over 20 million residents as an important center of scientific innovation and research.

The new Chengdu Science Fiction Museum is situated in the core area of Jingrong Lake within the Science & Innovation New City of Chengdu's Pidu District. Integrating with the natural landscapes along the lakeshore, the museum's design defines nodes of activity connected by pedestrian routes that extend from the city through the surrounding parkland into the heart of the building; creating a journey of discovery that weaves between indoor and outdoor plazas at multiple levels to link the museum's exhibition galleries, educational facilities, cafes and other amenities.



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Architect

Zaha Hadid Architects
(ZHA)

Design

Patrik Schumacher

ZHA Project Directors

Satoshi Ohashi, Paulo Flores

ZHA Project Associate

Yang Jingwen

ZHA Project Architects

Juan Liu, Magda Smolinska

ZHA Project Lead

Sven Torres

ZHA Site Team

Meng Zhao

ZHA Project Team

Andrei-Ciprian Cojocaru, Berkin Islam, Chu Zhou,

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ZHA Competition Sustainability Team

Aleksander Mastalski, Carlos Bausa Martinez

Competition Visuals

ATCHAIN

Consultants**Executive Architect**

Zaha Hadid Architects

Local Architect

中国建筑西南设计研究院 China South West Architecture Design Institute

Structural Engineers

中国建筑西南设计研究院 China South West Architecture Design Institute

General Contractor

中建三局集团有限公司 China Construction Third Engineering Bureau Group

Façade Engineering

中国建筑西南设计研究院 China South West

Architecture Design Institute

M&E Engineering

中国建筑西南设计研究院 China South West Architecture Design Institute

MEP

中国建筑西南设计研究院 China South West Architecture Design Institute

Fire Engineer

中国建筑西南设计研究院 China South West Architecture Design Institute

Landscape Consultant

杭州园林设计院 Hangzhou Landscape Design Institute

Lighting Design

LIGHTDESIGN, BPI

Acoustic Consultant

上海建筑设计研究院SIADR

Site Supervision

四川飞红工程管理咨询有限公司 Sichuan Feihong Engineering Management Consulting Co., Ltd.

Project Management

华润置地 CR LAND

Interior Local Design Institute

上海建筑设计研究院 SIADR

Exhibition Design Consultant

成都市科幻协会 Chengdu Science Fiction Society

Bringing together programmatic and functional clarity while responding to its unique site conditions, the museum appears to float above from the surface of the lake. The fluid forms of its roof radiate from a central point within, emulating an expanding nebula cloud with a star at its center – transforming the museum into a ‘star cloud’ that disperses energy fields into its many different zones; guiding visitors through a portal that connects our lived experience with our imagination.

Incorporating maximum flexibility to host the widest variety of exhibitions, conferences and events, the 59,000 sq. m Chengdu Science Fiction Museum includes exhibition galleries, multi-function hall, conference centre and supporting ancillary spaces. The sky-lit central atrium and its large window facing the spectacular Xiling Mountain connect the museum’s interiors with their surrounding environment.

Meeting the highest 3-Star standards of China’s Green Building Program, the museum’s design has been developed through detailed digital modelling analysis to maximize efficiencies in composition, site conditions, solar irradiation and structure.

The museum’s natural hybrid ventilation optimizes Chengdu’s mild subtropical climate to provide comfort for visitors and staff throughout the year while photovoltaics within the museum’s large roof canopy contribute to meeting the building’s energy demands.

Landscaped with plants native to the region, the park surrounding the museum collects and stores rainwater for natural filtration and reuse, enabling Jingrong Lake to become an integral part of Chengdu’s sustainable drainage system that will mitigate flooding and increase biodiversity throughout the city.

Established in 1939, WorldCon is the world’s largest science fiction event. Named after science fiction pioneer Hugo Gernsback, the Hugo Awards have been presented at Worldcon by the World Science Fiction Association since 1955 and are the highest recognition for science fiction and fantasy literature, as well as work in other media.

In 2015, Chinese author Liu Cixin’s ‘The Three-Body Problem’ won the 73rd Hugo Award for Best Novel, and in 2016 author Hao Jingfang’s work ‘Folding Beijing’ received the Hugo Award for Best Novelette; making the Hugo Awards a household name throughout China.

Connecting the past, present and future, the Chengdu Science Fiction Museum will be a centre of inspiration and innovation for the city.



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