



# Zhongyuan International Convention Centre Phase 2

**Zhengzhou, China**



**Location**  
Zhengzhou, China

**Date**  
2024 -

**Client**  
Henan Airport  
Construction &  
Development Co., LTD

**Local Architect**  
Tongji Architectural  
Design (Group) Co, Ltd

**Site Area**  
616,630m<sup>2</sup>

**Height**  
38.8m

**General Contractor**  
China First Metallurgical  
Group Co., Ltd

**Structure Consultant**  
SBP

**Facade Consultant**  
EFC

**Fire Consultant**  
Arup

**Convention Centre  
Consultant**  
North Star Venue  
Management

**Lighting**  
Speirs Major



Zhongyuan International Convention Centre in Zhengzhou is strategically located within the Zhengzhou Airport Economic Zone (ZAEZ), adjacent to the international airport. This prime location ensures extensive domestic and international transport links, making it ideal for hosting a wide range of national and global events.

The new development extends to the east and west of an existing park, situated south of the original Convention Centre. Our design comprises three key components: the Phase 2 Convention Centre, a Conference Centre, and a Hotel.

Connectivity and modularity are the starting points of the design, with a 1.7 km-long elevated floor plane or central spine connecting the three main entrances, exhibition halls, Conference Centre and the hotel to create a layout that is interconnected and easily accessible.

The Convention Centre features sixteen exhibition halls arranged on either side of the central spine. Each standard hall has an approximate net area of 12,500 m<sup>2</sup>, with a clear span of 78.5 m x 161 m on level 1.

The upper level of the central spine crosses the park via the eastern entrance pavilion, connecting the Convention Centre to the grand Conference Centre and the adjacent hotel. The Conference Centre is primarily enclosed by a spectacular floating roof that rises over the main conference hall, with large cable-net façades providing transparency and clarity to the functionality contained within. The Conference Centre connects to the hotel, located at the far east of the complex, completing the overall design vision with its distinguished roofscape and central atrium.

The lower level of the central spine offers restaurants and public spaces where visitors and exhibitors can eat, relax, and enjoy the architectural splendour of their environment.

The project aims to achieve the China Green Building rating, with plans to install a substantial number of photovoltaic panels on the roof of the entrance pavilion. The incorporation of natural daylight within the exhibition halls, along with the harvesting of rainwater for landscape irrigation, will promote and substantiate the use of passive sustainable systems.