

Large-Scale Steel Structure Construction

This project showcases a large-scale steel structure, demonstrating advanced engineering and construction techniques. It features a circular building connected to a greenhouse-like structure.



ADDITIONAL IMAGES



Project Overview

Large-Scale Steel Structure Construction

This large-scale steel structure engineering project serves as a landmark tourism infrastructure development. Spanning a construction area of 36,800 square meters, the project utilizes 2,400 tons of structural steel to create complex, high-precision architectural forms. The design features advanced curved components and a significant dome structure, demonstrating high technical proficiency in large-span construction.

Technical Specifications

Construction Metrics

36800 sqm

Total Construction Area

2400 tons

Total Steel Consumption

Dome Hoisting Specifications

Parameter	Value	Unit
Hoisting Radius	74	m
Installation Height	27	m
One-time Lifting Weight	75	tons
Component Diameter	40	m

Engineering Features

Key Structural Highlights

- High-precision curved steel component fabrication
- Welded curved double-curved box-shaped beams at entrances
- Advanced large-span dome assembly
- Complex structural hoisting and installation

Project Compliance

Specialized Capabilities

Large-Scale Steel Framing, Curved Structure Fabrication, Heavy Lifting Engineering, High-Precision Welding