



WTC
智构桁架
WORLD TRUSS COMPANY

GUANGZHOU ZHIGOU TRUSS CO.,LTD

h Lite Touring
AL LIGHT & SOUND

Website: www.worldtruss.com.cn



WORLD TRUSS Introduction

Guangzhou ZhiGou Truss Co., Ltd(WTC) is established under the strategic support of Golden Sea Professional Equipment Limited, and our products are exported to Europe, Asia and Oceania. WTC is a stage truss manufacturer integrating production, sales and international trade, with independent import and export rights. Our company has a set of strict production standards to design the product process in multiple dimensions, no matter from the design, material selection, production, or testing, we are strictly in accordance with high standards. We adhere to the spirit of craftsmen and scientific skills to create the best quality products.

WORLD TRUSS Introduction



120+

Product exporting
country

38000m²

Factory area

11+

Years of industry
experience

60+

WTC team

WORLD TRUSS Introduction



Material Selection

High-strength steel or aluminum alloys are chosen for durability and load-bearing capacity. Quality checks ensure compliance with engineering standards.

01



Cutting & Shaping

Metal sections are precisely cut using CNC machines or laser cutters. Components are formed into beams, chords, and diagonal members per design specs.

02



Welding/Fabrication

Structural joints are welded (for steel) or bolted (for aluminum) for rigidity. Automated welding ensures consistency and strength at connection points.

03



Assembly

Final assembly involves the integration of components, including structural fitting and mechanical connections, before proceeding to verification tests.

06



Quality Testing

Quality testing includes load-bearing tests, alignment checks, and stress analysis to ensure compliance with safety regulations prior to packaging.

05

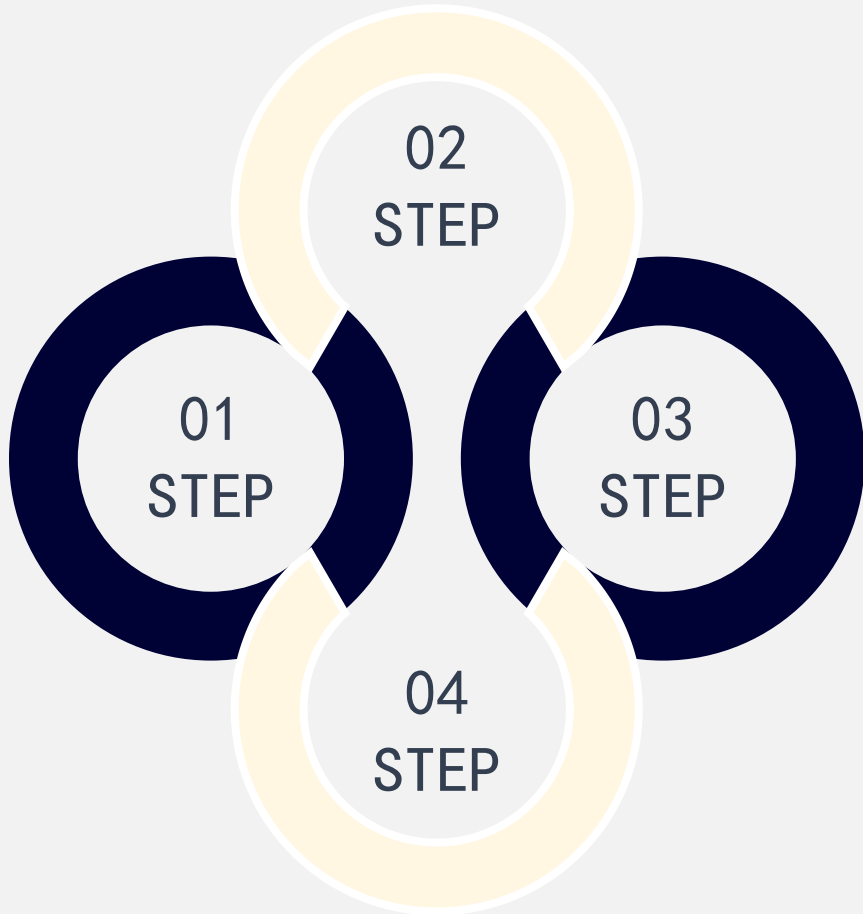


Surface Treatment

Trusses undergo sandblasting, priming, and paint/coating application to prevent rust and enhance weather resistance, especially for outdoor use.

04

WORLD TRUSS Introduction



01
STEP

Business Concept

Carry on and follow the most rigorous quality requirement of Germany

Practice the concept of safety first, with three main principles: Stable, Reliable, Comfortable

02
STEP

Business Partner

Technical guidance from TAK Company of Czech Republic

Investment from listed company GOLDEN SEA

Certification from the third party authoritative body: TÜV SÜD、SGS

03
STEP

Standards and Solutions

We have many professional and experienced engineers and R&D team for solutions design, which could meet the customized requirement.

04
STEP

Quality Policy

Defects Prevent

Quality first

Excellent Work

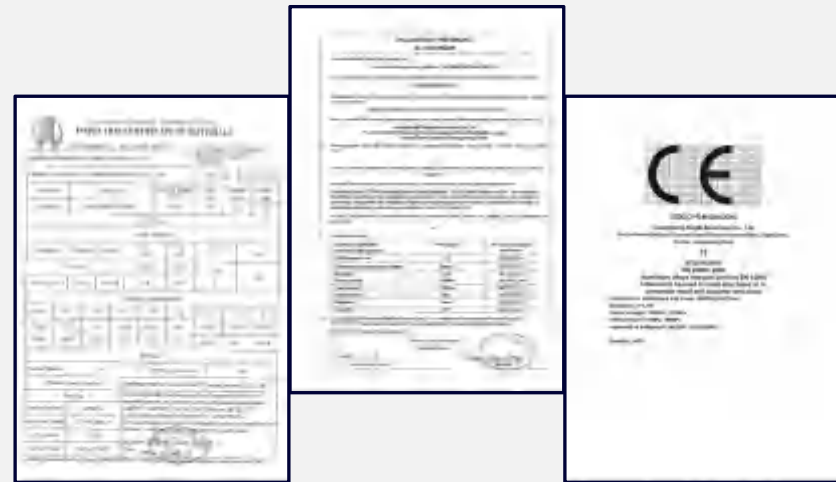
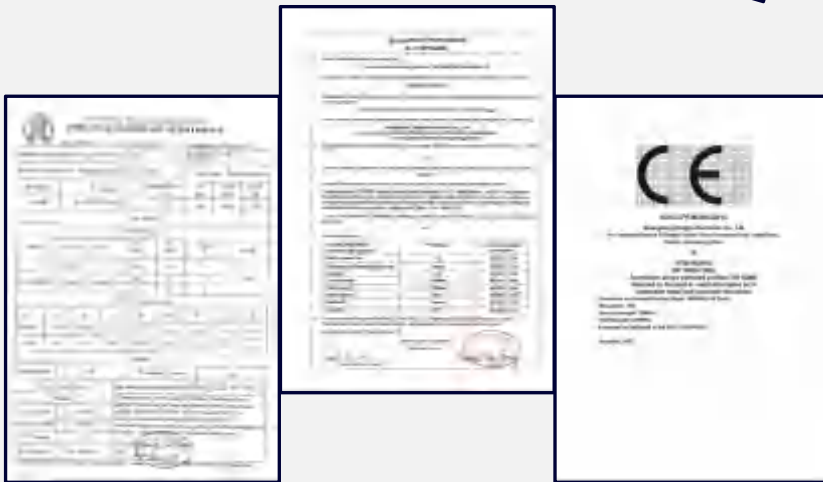
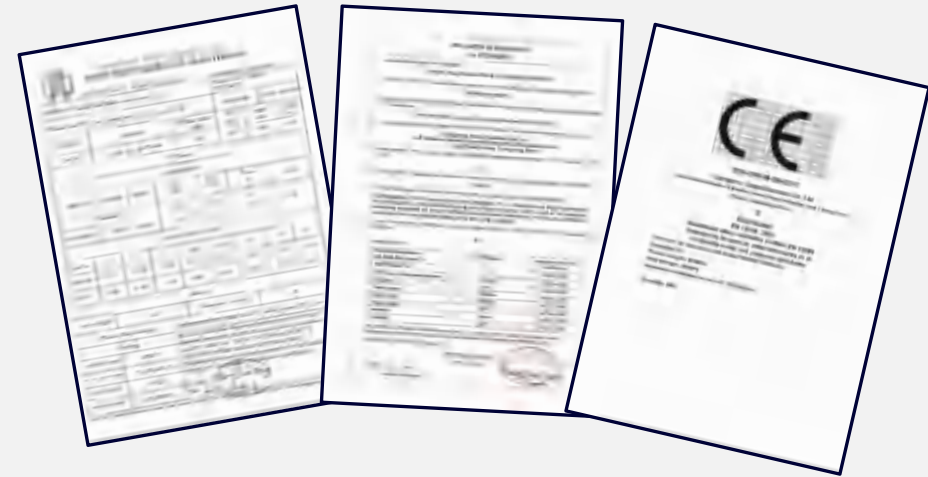
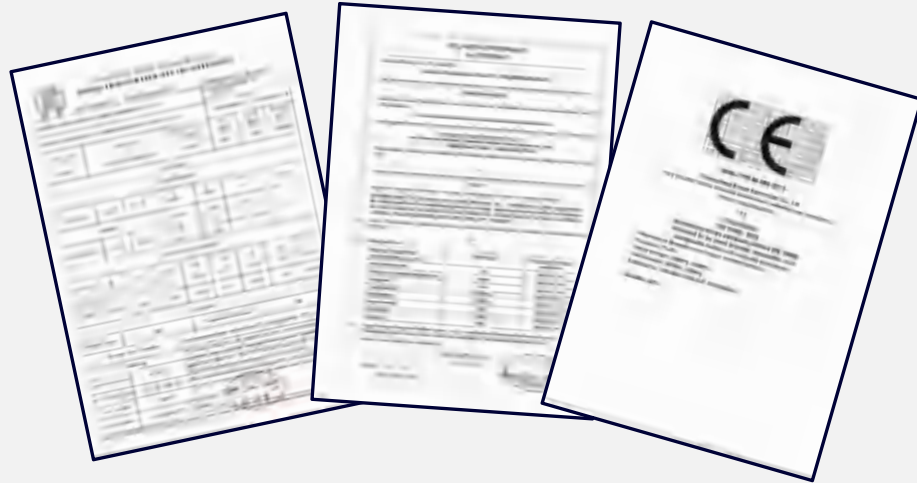
Customers satisfy

International Welding Certificates



All the welding personnel in WORLD TRUSS with the international welding certificates.

EN10204:2004 3.1 Material Certificates



Aluminum Tube Test Report



TEST REPORT

No. 62 480 28/2017

The following company name was submitted and identified on behalf of the client as:

Client Name: Aluminum Tube
 Manufacturer: /
 Material: /
 Heat Number: /
 Sample Information: 30g P6 4 60*2.00g P6 4 60*2.00g P6 4 60*2.00g P6 4 60*2.00g
 As-Mat: 6061 Al 0.01% Cu 0.02%


Date of Receipt: 2020-09-12
 Test Period: 2020-09-12 to 2020-09-17
 Test performed: Tensile test as requested by applicant
 Test Result: For further details, please refer to the following page(s)
 ***** For further details *****

Sign for and on behalf of:
 TUV SUD Certification and Testing (China) Co., Ltd. Guangzhou Branch


 Qing Liu
 Project Engineer

Change the information requires the approval and confirmation of the testing process and the approval of the applicant. TUV SUD does not accept any liability for the information.

Agency: TUV SUD
 No. 222-1
 Fax: 86-20-811
 Tel: 86-20-811
 Address: 450-000000
 TUV SUD Certification and Testing (China) Co., Ltd.
 Guangzhou Branch
 27, Zhongshan East Road, Guangzhou
 Guangdong Province, P.R. China





1. Tensile Test

Test standard: GB/T 228.1-2017
 Test instrument: Universal testing machine
 Test result: See below table

Sample No.	Tensile Strength R _m (MPa)	Yield strength R _{p0.2} (MPa)	Percentage elongation after fracture A(%)
1#	325	256	14.0
2#	312	287	16.0
3#	333	237	9.9
4#	321	304	11.0
5#	272	234	15.8
6#	296	287	17.8

Appendix (Photo)

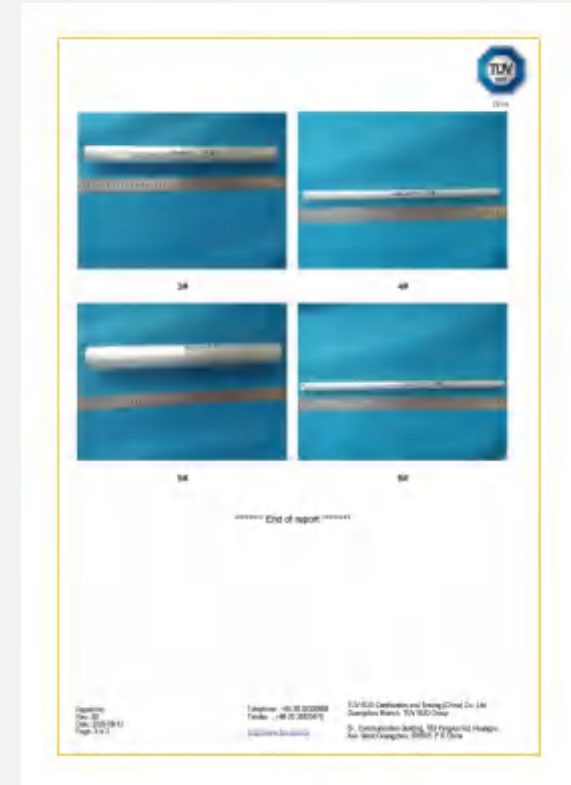

1#


2#

Report No.:
 Rev.: 01
 Date: 2020-09-12
 Page: 2/2

Location: Guangzhou
 Telephone: +86 20 811
 Fax: +86 20 811

TUV SUD Certification and Testing (China) Co., Ltd.
 Guangzhou Branch
 27, Zhongshan East Road, Guangzhou
 Guangdong Province, P.R. China



Aluminum Tube Test Certificates

TÜV Mark Certificates



TÜV Mark Certificates



TT74

HT44

F34

F32

F33

TT74

TT54



World Truss Successful Projects

Look forward to future, quality is the best guarantee of maintain the customers relations, innovation is the excellent pursuit of challenge self-potential. WTC aims to provide safe stable qualified products and excellent supporting services for our customers, satisfy customers any requirements any time.

World Truss Successful Projects

New Zealand Festival One Music Festival



The stage trusses, including the LED background support system and extension system, mainly adopt the TT45 series trusses (columns), TS54 series trusses (beams), TT SB (sleeve bases), TT BP (base plates), together with a full set of supporting accessories.

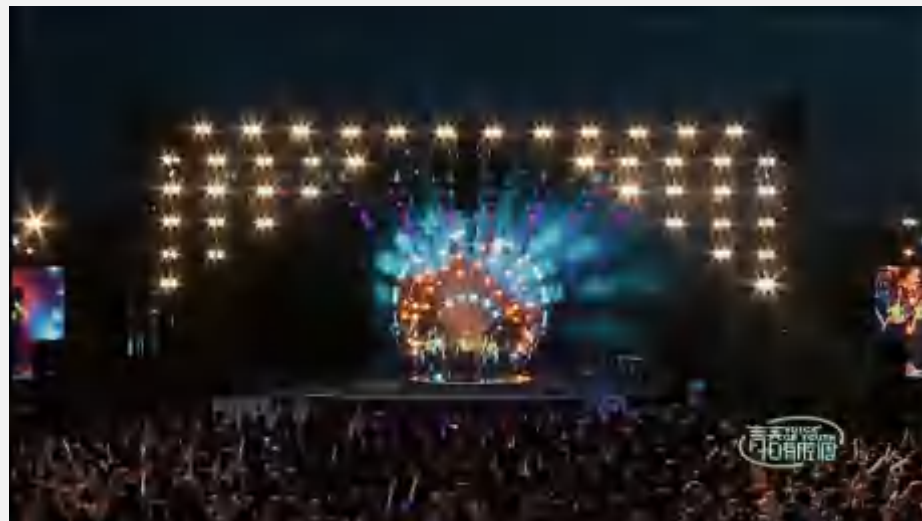
World Truss Successful Projects

The Mischievous Minion Farce in Japan



WTC provided multiple truss system configuration
Mainly composed of F34 and HT64 series spigot trusses.

World Truss Successful Projects



**"Hello, Classmate"
College Musical
Concert**

**Beijing Yanqing
Converged Media
Center Project**



World Truss Successful Projects

Golden Sea Cultural Arena Light show



WTC TT86, TS54, TS44 series aluminum alloy truss,
high safety factor, trustworthy.

World Truss Successful Projects

Thailand Songkran festival



WTC T104, TT86 series aluminum alloy truss, Waterproof and corrosion-resistant. It is highly suitable for permanent outdoor facilities (stadiums, Bridges), coastal venues, etc. Its performance remains consistent, ensuring safety and reducing the frequency of replacement.

World Truss Successful Projects

2025 ITM New Zealand Sail Grand Prix Auckland



HT44 spigot truss series, high quality to hang the LED screen, good performance in outdoor scene.

Roof Truss Systems flying at high altitudes



WTC HT34, HT44, TS44, TT54 series aluminum alloy truss, lifting block and other equipment are used in 15 sets of roof systems assembly in total

World Truss Successful Projects

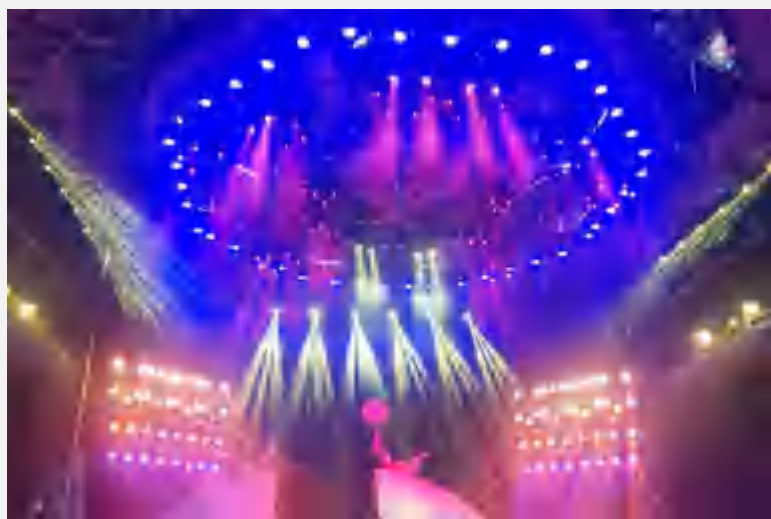
Black Elegant Art 1/5 exhibition



The Art of Black Grace 1/5 is a state-of-the-art, first of-its-kind architectural, digital and immersive dance experience. WTC HT34, HT44, TS44, TT54 series aluminum alloy truss, lifting block and other equipment are used, is designed for a 360-degree, 15-metre diameter by 6-metre high 'cylindrical structures' with 288sqm of LED panels.

World Truss Successful Projects

Hong Kong Disneyland Park



Yunnan Acrobatic Troupe Project

World Truss Successful Projects

Nanjing Dr. Sun Yat-sen's Mausoleum Forest Music Festival



Nanjing Forest Music Festival is with the theme of original, classical and elegant, perform world-class symphony. WTC TT74 and TT54 series aluminum alloy truss, layer and other equipment are used in this Nanjing Forest Festival, work together for this elegant music show.

World Truss Successful Projects

Lhasa Pure Land Cultural Project



The first Term China International Circus Festival in Zhuhai Chimelong



World Truss Successful Projects

The Central Academy Of Drama Projects



WTC F34 and F32 truss series are mainly used in this project.

World Truss Successful Projects

CPA (National Centre for the Performing Arts) Project



WTC TT45、TT86、TT74、TT54 and HT44 truss series, chain hoist and other equipment are used in Taihu Music Week project.

World Truss Successful Projects

The 5th China-South Asia Expo and The 25th China Kunming Import and Export Fair



WTC HT34 truss series are mainly used in this project.

World Truss Successful Projects

SHANGHAI LAVTECH AV TECHNOLOGY CO., LTD. Project



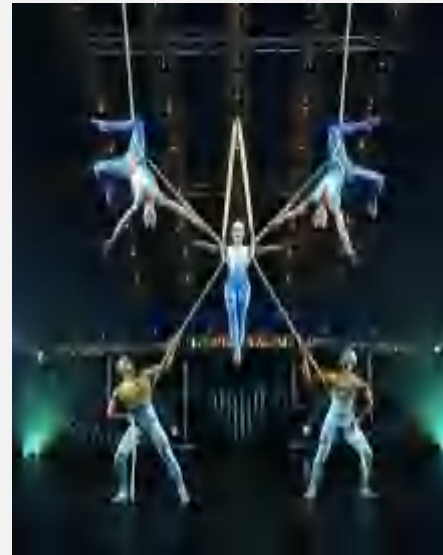
WTC F32 truss series are mainly used in this project.

World Truss Successful Projects



Qinhuangdao Shougang
Motorsport Comprehensive
Show Field

Cirque du Soleil Project



World Truss Successful Projects

Shunde OCT Harbour PLUS Project



WTC HT34 truss series are mainly used in this project.

World Truss Successful Projects

Meet in the Greater Bay Area



On Dec. 2020, The world's first maritime melodrama “ Meet in the Greater Bay Area” held by Guangdong province Zhuhai city. It is our honor have a chance to attend this project, WTC TT44 and TT54 truss series are used in this project, and HT33-350 and HT33-85 truss series brace used for supporting high-tech machines like the multi-rail large moved machine and original multi-function special effects mechanical arm, to create an excellent show.

World Truss Oversea Successful Projects

Soho Garden



World Truss Oversea Successful Projects



World Truss Oversea Successful Projects

