

JUST FOR EXCEED CLIENT EXPECTATIONS **BETTER** **DESIGN**



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TJS-2313-CE1000-20231101

TIAN'S DESIGN

TECH THE FUTURE

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WE ARE THE
TOP DESIGN TECHNOLOGY
SERVICE PROVIDER

01

ENTERPRISE CHARISMA
ABOUT TIANS

近者悦·走进天俱时

ABOUT TIANS

走进天俱时



国家级专精特新“小巨人”企业

National "Little Giant" SRDI (Specialized, refined, differential, innovative) Enterprise

天俱时始创于1998年,是一家赋能新技术产业化的工程设计集团,依托先进的设计理念和前瞻性的国际视野,为全球客户提供技术研发、工程咨询与设计、工程总承包、智能装备、自动化与信息化于一体的综合解决方案,帮助客户实现 From Lab to Fab的产业化转化。业务涵盖精细化工、电子化学品、合成生物、生物医药、化学制药、食品健康、冶金矿山等高科技行业领域。



国家高新技术企业

National High-Tech Enterprise

TIANS Engineering Technology Group Co., Ltd., founded in 1998, is an engineering design group empowering industrialization of new technologies. Based on advanced design concept and forward-looking global perspective, we provide comprehensive solutions involving technology R&D, engineering consulting and design, EPC, intelligent equipment and automation & digitalization to help our clients achieving a From Lab to Fab industrialization transformation. Our business spans many high-tech fields, including fine chemical engineering, electronic chemicals, synthetic biology, bio-pharmaceutical, chemical pharmaceutical, healthy food and metallurgy & mining.

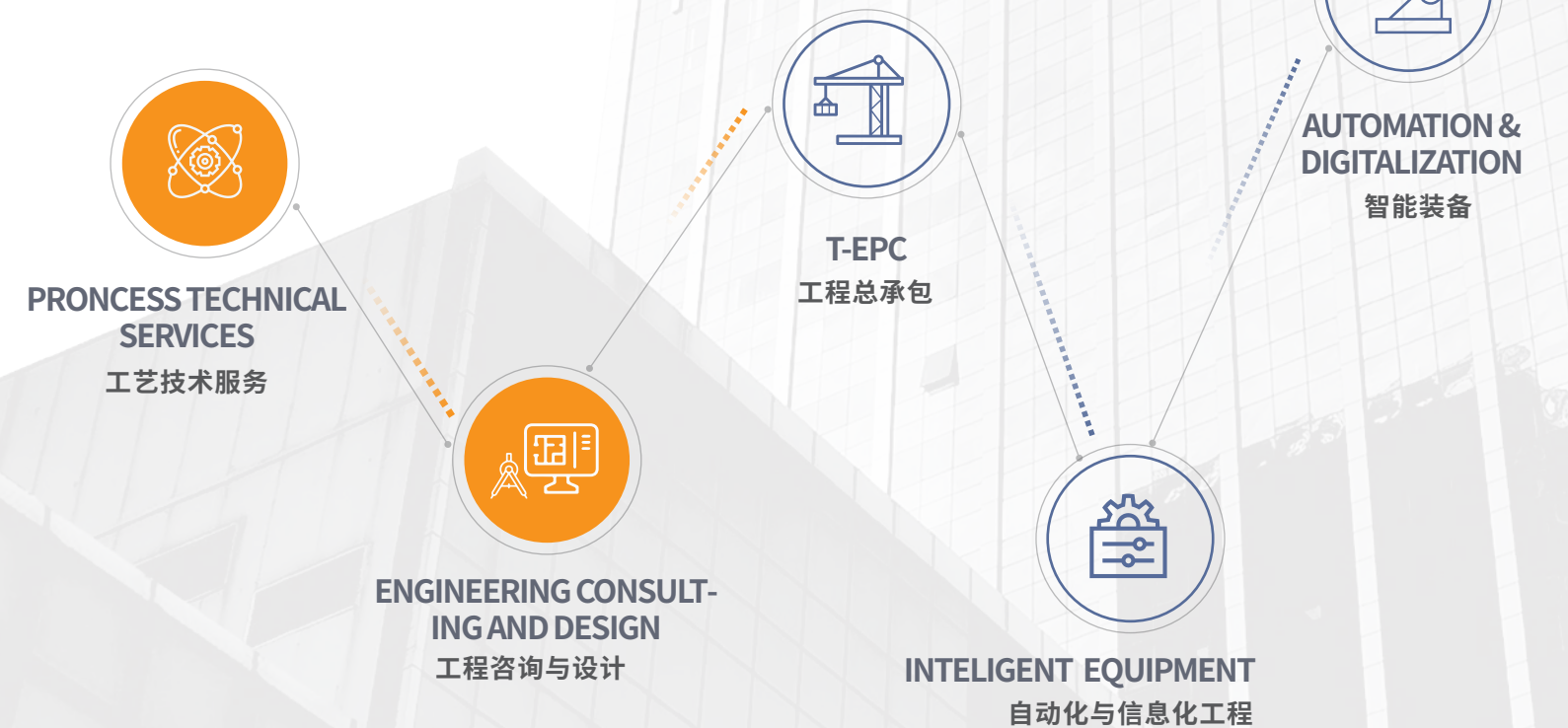


中国工程总承包营业额榜单百强

China's Top 100 Project General Contracting Turnover

PROVIDING PROFESSIONAL SERVICES AT ALL STAGES OF THE PROJECT LIFE CYCLE

为客户提供项目全生命周期各阶段的专业服务



TIANS DESIGN

天俱时设计

天俱时设计是天俱时集团业务板块的核心与龙头，深耕于医药化工行业，拥有医药化工工程设计公司与瑞士生物医药咨询创新中心两大平台，具有前瞻性国际视野与丰富的设计经验，以成为顶尖设计技术服务商为目标，为客户提供先进设计理念，符合行业规范的全过程咨询和工程设计服务。

TIANS design is the core and leader of the business segment of TIANS group. It is deeply engaged in the pharmaceutical and chemical industry. It has two platforms: pharmaceutical chemical engineering design company and the swiss biomedical consulting innovation center. It has a forward-looking international vision and rich design experience. With the goal of becoming a top design technology service provider, it provides customers with advanced design concepts and whole process consulting and engineering design services in line with industry norms.

DOUBLE A

双行甲

化工石化医药行业甲级
建筑行业(建筑工程)甲级

Class A for engineering design in chemical, petrochemical and pharmaceutical industry

Class A for engineering design in construction industry (construction engineering)

60+TOP 100 PHARMACEUTICAL ENTERPRISES

服务过60+全国制药百强企业

6 FIELDS

设计领域

化学制药、生物制药、合成生物、精细化工、工业环保、医疗器械

Chemical pharmaceutical, biopharmaceutical, synthetic biology, fine chemicals, industrial environmental protection, medical devices

500+DESIGN CASES

超过500个设计项目案例

160+ MEMBERS

设计团队

历经多年发展，天俱时设计形成了以国内勘察设计大师及国际知名设计专家为核心，多位相关领域知名技术专家为人才砥柱的高素质团队。团队成员具备全球视野，主导设计建设了上百座符合新版GMP、FDA及EMA要求的制药项目，综合实力和客户满意度在国内同行业位列前茅，是中国医药领域的设计者、建设者、见证者和实践者，铸就了“天俱时设计”的独特品牌。

After years of development, TIANS design has formed a high-quality team with domestic survey and design masters and internationally renowned design experts as the core, and a number of well-known technical experts in related fields as the mainstay of talents. With a global vision, the team members have led the design of the facilities of hundreds of pharmaceutical factories that meet the requirements of the new GMP, FDA and EMA. Their comprehensive strength and customer satisfaction rank among the best in the domestic industry. They are the designers, builders, witnesses and practitioners in the Chinese pharmaceutical field, creating a unique brand of "TIANS design".

HUNDREDS FACTORIES

主导设计建设了上百座符合新版GMP、FDA及EMA要求的制药项目

WE CAN OFFER YOU
FULL-CHAIN
PROFESSIONAL SERVICE

02

LEADING THE FRONTIER
SCOPE OF BUSINESS

引前沿·业务范围

SCOPE OF BUSINESS

业务范围



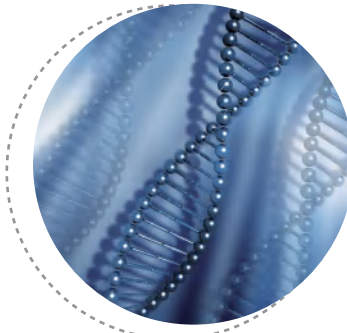
**FERMENTATION
API**
发酵原料药



**HIGH END ORAL
AND STERILE
PREPARATIONS**
高端口服及无菌制剂



**PHARMACEUTICAL
ENVIRONMENTAL
PROTECTION**
医药环保



SYNTHETIC BIOLOGY
合成生物



MEDICAL LABORATORY
医药实验室

**ASEPTIC AND
SYNTHETIC API**
无菌及合成原料药



BIOPHARMACEUTICAL
生物制药



MEDICAL DEVICES
医疗器械



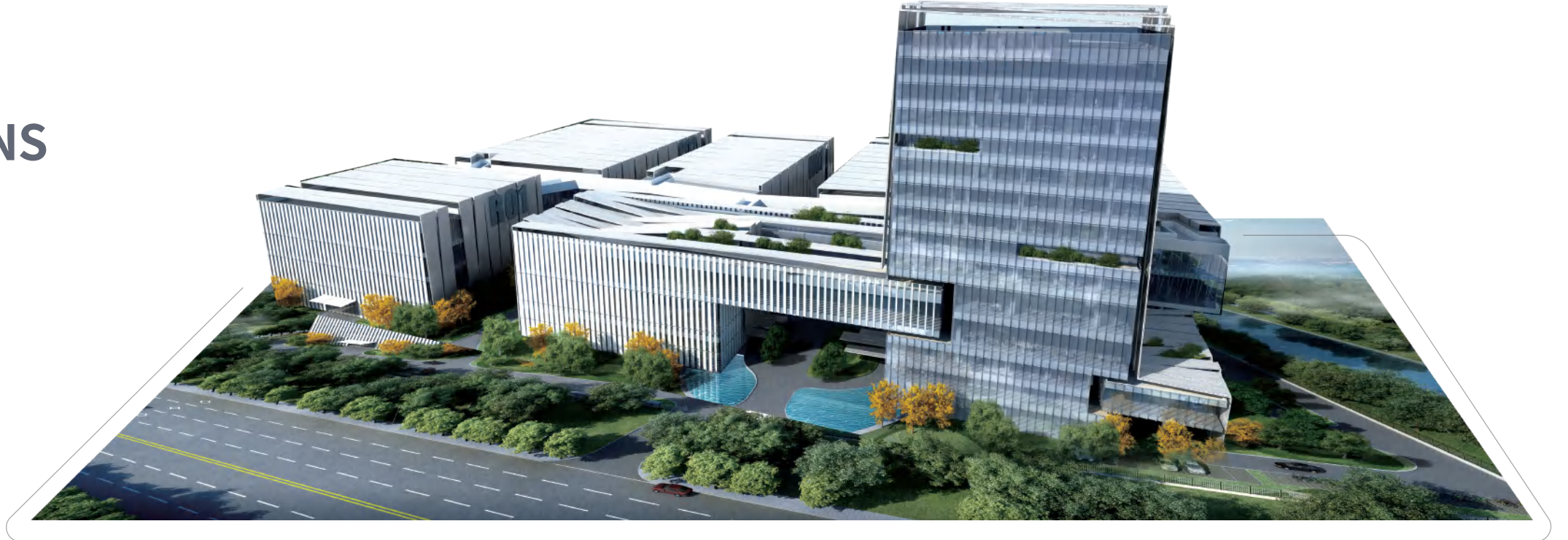
**FINE CHEMICAL
ENGINEERING**
精细化工



FOOD HEALTH
食品健康

WE CAN PROVIDE YOU WITH PROFESSIONAL TECHNICAL SOLUTIONS COVERING **THE WHOLE PROCESS**

我们可为您提供涵盖项目全过程的专业技术解决方案:



MEET THE LATEST REGULATORY REQUIREMENTS

满足法规要求

中国GMP	ICH指南
美国cGMP	ISPE 指南
欧盟GMP	ISO 14644
WHO GMP	EHS相关法律法规
国家法律法规	

CONSULTING SERVICES

工程咨询服务

项目评估与规划	Project Evaluation and Planning
项目建议书	Project Proposal
可行性研究	Feasibility Study
概念设计	Conceptual Design
安全诊断	Safety Diagnosis
绿色建筑与节能评估	Green Building and Energy Saving Assessment

ENGINEERING DESIGN SERVICE

工程设计服务

概念设计	Conceptual design
基础设计	Basic design
详细设计	Detailed design
设计专篇	Design article
HAZOP、LOPA分析	HAZOP/LOPA analysis

CHARACTERISTIC SERVICE

特色服务

工程总承包(EPC)	Engineering Procurement Construction (EPC)
优化设计	Optimal design
合规化咨询	Compliance consulting
BIM设计	BIM design
GMP验证	GMP validation

INNOVATION
WINS
FUTURE

03 CRAFTSMANSHIP
QUALIFICATION AND HONOR

具匠心·资质荣誉

QUALIFICATION HONOR

资质荣誉

DESIGN QUALIFICATIONS

设计资质

CLASS A
化工石化医药行业甲级
Class A for engineering design in chemical, petrochemical and pharmaceutical industry



CLASS A
建筑行业(建筑工程)甲级
Class A for engineering design in construction industry (construction engineering)



CLASS A
工程咨询单位甲级资信
Class A for engineering consulting company



环境工程专项(水污染防治工程)甲级

环境工程专项(大气污染防治工程、固体废物处理处置)乙级

轻纺行业轻工工程乙级

特种设备压力管道设计GC1、GC2级

固定式压力容器规则设计

质量、环境、职业健康安全管理体系认证

.....

Class A for environmental engineering design in special water pollution prevention and control project

Class B for special environmental engineering (solid waste treatment and disposal engineering, air pollution prevention and treatment)

Class B for light industry engineering in light textile industry

Class GC1, GC2 for pressure pipeline design of special equipment

Design of fixed pressure vessel for special equipment

Quality, environment, occupational health and safety management system certification

.....

PARTICIPATED IN THE COMPILATION OF NATIONAL STANDARDS

参编标准

《医疗化学药品生产设施工程技术标准》

<Technical standards for medical chemical production facilities engineering>

《洁净室及相关受控环境 第1部分根据粒子浓度划分空气洁净等级》

<Cleanrooms and associated controlled environments Part 1:Classification of air cleanliness by particle concentration>

《洁净室及相关受控环境 第2部分用粒子浓度检测提供洁净空气洁净度的证据划分》

<Cleanrooms and associated controlled environments Part 2:Monitoring to provide evidence of cleanroom performance related to air cleanliness by particle concentration>

《医药工业洁净厂房施工与验收标准》

<Standard for construction and acceptance of pharmaceutical industry cleanroom>

《医药工业工程术语标准》

<Terminology standard for pharmaceutical engineering>

《多孔疏水膜疏水性能测试方法》

<Test method for hydrophobic properties of porous hydrophobic membranes>

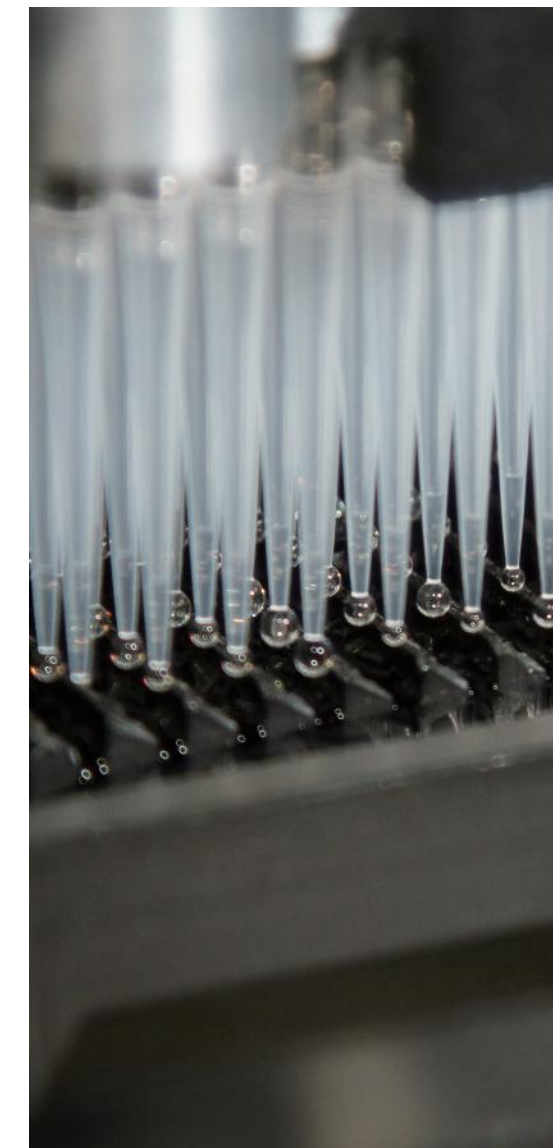
《细胞制备洁净室运行规范》

<Cell preparation standard for cleanroom operation>

《原料药及中间体连续制造指导原则》

<Guidelines for continuous manufacturing of drug substances and intermediates>

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PATENTS AND SOFTWARE COPYRIGHT
专利和软著



31

软件著作权
SOFTWARE COPYRIGHTS

182 PATENTS
AND SOFTWARE COPYRIGHTS



23 INVENTION PATENTS
发明专利



128

UTILITY MODEL PATENTS
实用新型专利



AWARDS AND HONORS
奖项荣誉

2018-2019年度中国建设工程 **鲁班奖**
2018-2019, Luban Award for China construction projects

2016年度中国 **安装之星**
2016, China installation star



2019年度中国医药工程设计优秀项目 **三等奖**
2019, The third prize of outstanding project of pharmaceutical engineering design in China

2023年度河北省工程勘察设计项目 **一等奖**
2023, The first prize of Hebei Engineering Survey and design project

2020年度轻工行业优秀工程咨询成果 **一等奖**
2020, The first prize of outstanding engineering consulting achievements in light industry

2023年度河北省工程勘察设计项目 **二等奖**
2023, The second prize of Hebei Engineering Survey and design project

2018年度河北省优秀工程勘察设计行业 **一等奖**
2018, The first prize of outstanding engineering survey and design industry of Hebei Province

2022年度河北省工程勘察设计项目 **一等奖**
2022, The first prize of Hebei Engineering Survey and design project

2021年度河北省工程勘察设计项目 **二等奖**
2021, The second prize of Hebei Engineering Survey and design project

2020年度河北省工程勘察设计项目 **二等奖**
2020, The second prize of Hebei Engineering Survey and design project

TECHNOLOGY
RESHAPES
VALUE

04 LEADER IN THE INDUSTRY
DESIGN ADVANTAGES

领跑者·设计优势



天俱时瑞士生物医药咨询创新中心团队成员
Team members of TIANS Swiss biomedical consulting innovation Center

INTERNATIONAL VISION 国际化视野

天俱时集团与国际知名咨询公司CB Consultancy AG战略合作，设计团队核心成员拥有国际化视野，深耕于医药行业设计、工程规划和咨询，拥有全球前十的制药企业工厂设计经验，业务遍及瑞士、欧洲和亚洲。

TIANS group has maintained strategic cooperation with CB consultancy AG, an internationally renowned consulting company.

T-EDC DESIGN CONCEPT T-EPC设计理念

天俱时设计以20余年服务于制药行业的工程总承包经验为基础，拥有从工艺技术、合规咨询、工程建设到调试验证的强大专家团队，设计成员兼备丰富的生产管理经验和工程设计经验和工程建设经验，在设计过程中，能将生产工艺、建造工艺与环保节能工艺并行考虑，帮助客户实现方案、投资、进度和项目品质的多方位保证，提供最具落地性、符合项目需求的设计服务。

Based on more than 20 years of engineering general contracting experience in the pharmaceutical industry, TIANS design has a strong expert team from process technology, compliance consulting, engineering construction to commissioning and verification. The design members have rich production management experience, engineering design experience and engineering construction experience. In the design process, they can consider the production process, construction process and environmental protection and energy saving process in parallel to help customers realize the plan, investment Multi directional guarantee of progress and project quality, and provide the most landing design services that meet the needs of the project.



工艺优化

从设计角度，对工艺流程提出优化方案

From the design point of view, the optimization scheme for the process flow is proposed



缩短工期

充分理解项目全流程，合理安排工期进展

Fully understand the whole process of the project and reasonably arrange the progress of the construction period



成本控制

合理控制项目投资，节约成本。

Reasonably control project investment and save costs.



快速响应

对于项目全过程的服务需求，能做到快速响应

Fast response to the service needs of the whole process of the project



现场服务

设计成员均具有2年以上现场服务经验

All design members have more than 2 years of on-site service experience

CIIDE ADVISORY PROGRAM

全流程管理程序

COMPREHENSIVE QUALITY MANAGEMENT PROCEDURES

完善的质量管理程序



COMPREHENSIVE QUALITY MANAGEMENT DOCUMENTS

完善的质量管理文件



STRUCTURE 全专业组织架构

12

位知名设计·技术大师
FAMOUS DESIGNERS .
TECHNOLOGY MASTERS

80

位工艺技术专家
TECHNICAL EXPERTS

160+

核心设计骨干
CORE DESIGN BACKBONES

PROJECT MANAGER
项目负责人

技术专家团队
TECHNICAL EXPERT TEAM

总图专业
General professional

工艺专业
Process professional

建筑专业
Architecture professional

结构专业
Structure professional

暖通专业
HVAC professional

电气专业
Electrical professional

给排水专业
Plumbing discipline

自动化专业
Automation professional

环保工艺专业
Environmental protection process
profession

BIM中心
BIM Center

概算技经
Budget and Economy

总审查
TOTAL REVIEW

DIGITAL DELIVERY 数字化交付

为打造一流的工程大脑,天俱时设有BIM中心,秉承智能化设计和数字化交付理念,帮助客户接收和管理数据资产,为数字化工厂建设提供设计基础。

To create a first-class engineering brain, TIANS has a BIM center, adhering to the concept of intelligent design and digital delivery, helping customers to receive and manage data assets, and providing a design basis for digital factory construction.

INTELLIGENT
DESIGN

DIGITAL
DELIVERY

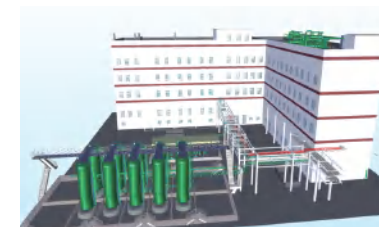


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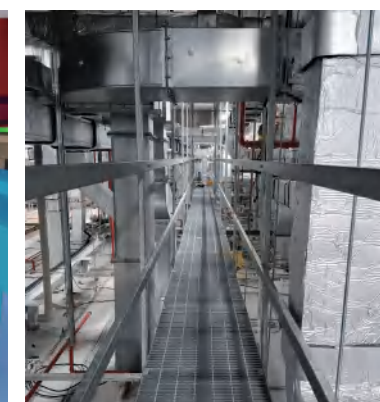
观看BIM演示视频

Scan QR code to watch BIM demo video

设计图 / Design drawing



现场图 / Scene drawing





武亚锋 | Wu Yafeng

- 国内知名工程设计专家
- 天俱时集团首席咨询师
- 研究员级高级工程师
- 注册化工工程师
- 全国优秀工程勘察设计大师

- Domestic Famous Engineering Design Expert
- Chief Consultant of TIANS
- Senior Engineer At Research Level
- Registered Chemical Engineer
- National Excellent Engineering Survey and Design Master



王京 | Wang Jing

- 国内知名化工医药专家
- 天俱时集团首席科学家
- 正高级工程师
- 注册化工工程师
- 国家科学技术奖评审专家

- Domestic Famous Chemical Pharmaceutical Expert
- Chief Scientist of TIANS
- Senior Engineer
- Registered Chemical Engineer
- National Science and Technology Award Evaluation Expert

BECAUSE WE ARE PROFESSIONAL, SO OUTSTANDING



Christian Bachofen

- 国际知名生物医药设计规划专家
- 天俱时集团生物医药首席技术官
- CB Consultancy AG创始人兼首席设计师
- ISPE最佳工程师

- Internationally Renowned Biopharmaceutical Design and Planning Expert
- Chief Technology Officer of Biopharmaceutical of TIANS
- Founder and Chief Designer of CB Consultancy AG
- Best Engineer at ISPE

EXPERT TEAM

因为专业, 所以卓越



陈平 | Champion Chen

- 国内知名医药、化工产业化专家
- 天俱时集团首席技术官
- 陈平实验室带头人
- 正高级工程师
- 中国医药企业管理协会EHS专委会特聘专家

- Domestic Famous Pharmaceutical and Chemical Industrialization
- Chief Technology Expert of TIANS
- Chen Ping Laboratory Leader



周兰霞 | Linda Zhou

- 国内知名工程设计专家
- 正高级工程师
- 注册化工、消防工程师
- 国际制药项目管理协会中国区制药工程技术专家委员会副主任
- 中国医药工程设计协会专家委员会专家

- Pharmaceutical and Chemical Process Design Expert
- Senior Engineer
- Registered Chemical and Fire Engineer



李向科 | Li Xiangke

- 国内知名合成生物工艺设计专家
- 高级工程师
- 注册化工工程师

- Domestic Famous Expert in Synthetic Bioengineering Design
- Senior Engineer
- Registered Chemical Engineer



潘厚昌 | Pan Houchang

- 医药化工工艺设计专家
- 研究员级高级工程师
- 国家工程咨询协会专家库专家

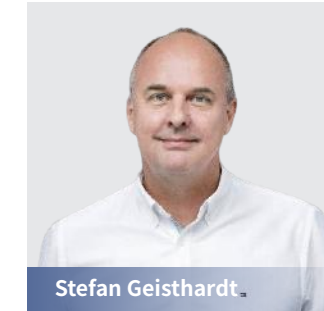
- Expert in Pharmaceutical and Chemical Process Design
- Researcher Level Senior Engineer
- Expert Database of the National Engineering Consulting Association



吴少华 | Wesley Wu

- 国内知名工程设计专家
- 天俱时集团首席设计师
- 注册咨询(投资)、化工、动力工程师
- 中国医药教育协会制药技术专业委员会常务委员

- Domestic Famous Engineering Design Expert
- Chief Designer of TIANS



Stefan Geisthardt

- CB Consultancy AG首席执行官
- 苏黎世应用科技大学项目管理讲师
- CEO of CB Consultancy AG
- Lecturer in Project Management, Zurich University of Applied Sciences



汪生宝 | Wede Wang

- 医药化工暖通设计专家
- 高级工程师
- 中国医药工程设计协会专家委员会专家

- Expert in HVAC Design for Pharmaceutical and Chemical Industries
- Senior Engineer
- China Medical Engineering Design Association Expert of the Family Committee



王路波 | Lucas Wang

- 医药化工电气设计专家
- 正高级工程师
- 注册电气、咨询工程师(投资)

- Expert in Pharmaceutical, Chemical, and Electrical design
- Senior Engineer
- Registered Electrical and Consulting Engineer (Investment)



王亮 | Wang Liang

- 医药化工总图规划专家
- 高级工程师
- 石家庄市创新团队成员

- Expert in Pharmaceutical and Chemical General Layout Planning
- Senior Engineer
- Member of Shijiazhuang Innovation Team

EXCEED
CLIENT
EXPECTATIONS

05 HIGH QUALITY
REPRESENTATIVE PERFORMANCE

高品质·代表性业绩