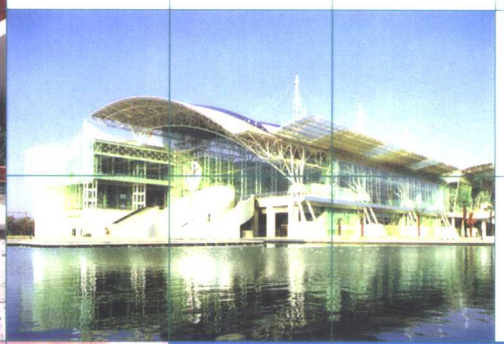
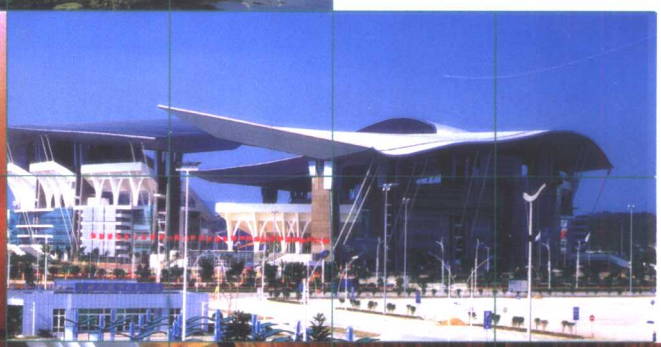
中国优秀工程设计

EXCELLENT PROJECT DESIGNS OF CHINA





中国优秀工程设计

主编

中 国 勘 察 设 计 协 会

2003.12

EXCELLENT PROJECT DESIGNS OF CHINA

EDITTED BY

CHINA EXPLORATION AND DESIGN ASSOCIATION

2003.12

谨将此画册献给广大工程设计人员和关心支持我国勘察设计事业发展的人们。

编者

We here by present this pictorical album to the vast of project design engineers and those who are concerned about and supported in the development of China's survey and design cause.

Editor

主　编　单　位：中国勘察设计协会
责　任　编　辑：侯树莲　刘素云　赵公立
英　文　编　辑：刘旭
计算机图文处理：刘素云

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封　面　设　计：张朝晖
版　式　制　作：张朝晖

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BRONZE PRIZE

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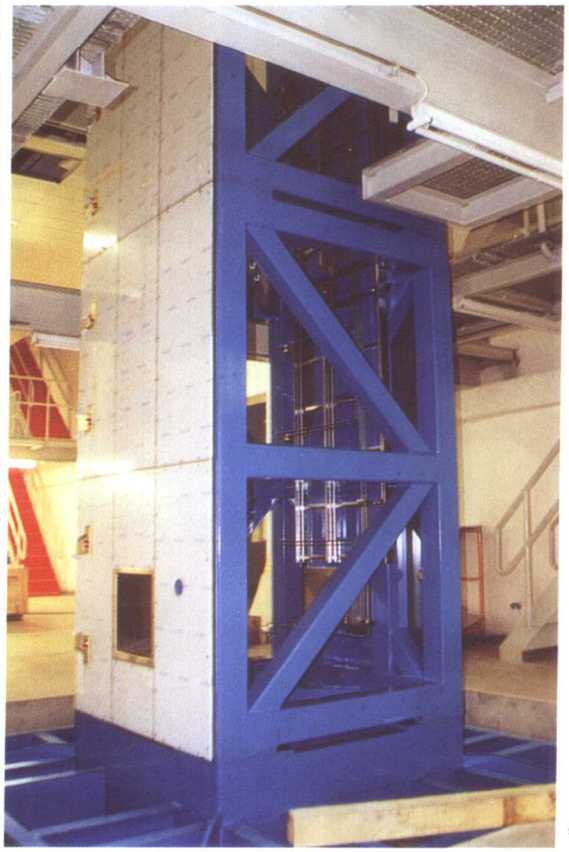
长飞光纤光缆有限公司 第六期扩容工程

信息产业电子第十一设计研究院有限公司

法人代表：赵振元
资质等级：甲级
项目简介：该项目建筑面积43932m^2，年产光纤、预制棒500万芯km（厂房按年产光纤、预制棒1000万芯km的规模进行设计）。建筑设计巧妙地将生产、动力、办公区组合成一栋超大型、多功能的和谐建筑体，属全国首创，达到世界领先水平。工艺设计中采用了国际上最先进的光纤制棒、拉丝设备，使产品的技术特性和质量处于世界领先地位。
项目主要参加人：赵振元　郑秉孝　黄以庄　佟佩珍　黄晓春　蒋云琴　付达异　张智华　张先友　权万玉　赵孔肃　夏双兵　张继荣　李海祥　邓阳

1、长飞光纤光缆有限公司全景(1–6期工程)　Full View of Yangtze Optical Fiber and Cable Co., Ltd. (1–6 Phase Projects)
2、主厂房大厅一角　A View of Production Building Lobby

3



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The Eleventh Design & Research Institute IT Co., LTD

Corporate Representative: Zhao Zhenyuan
Grade of Qulification: Class A
Brief Introduction to the Project: The building area is 43932 m^2 and annual output 5 million km fiber and prefabrication bars (design capacity Is 10 million km). The project design a comprehensive purpose building, a combination of production area, utility area, and office area, which not only provide big space and huge volume area for fiber production, but also reflect harmony beauty of industry building. The design concept comes out first in China, and goes up for international leading position as well. During process design, we applied the state-of-art fiber bar fabricating and drawing equipment, which ensure product technical feature and quality can be in world leading position, especially multimode fiber.

Leading Participants: Zhao Zhenyuan, Zheng Bingxiao, Huang Yizhuang, Tong Peizhen, Huang Xiaochun, Jiang Yunqin, Fu Dayi, Zhang Zhihua, Zhang Xianyou, Quan Wanyu, Zhao Kongsu, Xia Shuangbing, Zhang Jirong, Li Haixang, Deng Yang.

3:主厂房一景 A View of Production Building
4:光纤拉丝塔 Optical Fiber Drawing Tower

金奖
GOLD PRIZE

牙哈凝析气田地面建设工程

中油辽河工程有限公司

法人代表： 刘振军
资质等级： 甲级
项目简介： 该项目是我国最大的整装凝析气田，具有压力高、油气比高、产量高、凝析油凝固点高的特点。技术人员针对各种技术难题开展技术实验与研究，解决了流体常温集输、高压密相输送、高压循环注气、高压分离和提高工程整体效益的难题，得到各级专家的一致好评，整体设计达到国际领先水平。该工程包括站外系统、集中处理站、铁路装车站和作业区四部分。320 × $10^4 m^3/d$凝析气处理轻烃回收装置规模为全国最大。工程建成后一次投产成功，当年达到设计产量，当年回收投资，为国内少有。
项目主要参加人： 裴红 郭野愚 李明义 尹有胜 苑秀杰 赵守义 赵文学 宋清平 卜祥军 赵福俊 邢立新 刘文伟 仝兆坤 崔雅敏 王义 张红领 孙景全 刘跃 程海 孔素媛


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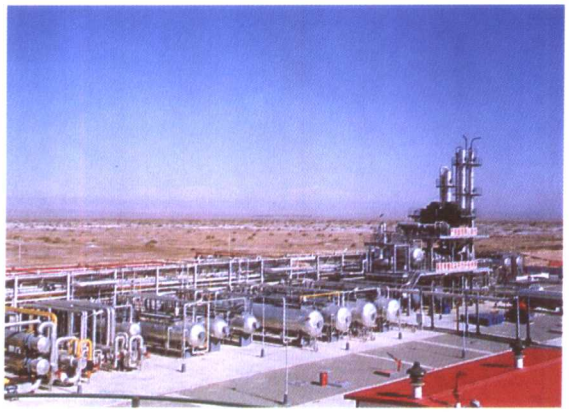
1：工程建设前的茫茫戈壁 The Boundless Desert before Construction
2：高压注气与安全措施 High Pressure Gas Injection and Safety Measure
3：集中处理站鸟瞰 A Bird's-Eye View of the Central Processing Station



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China Liaohe Petroleum Engineering Company Limited

Corporate Representative: Liu Zhenjun
Grade of Qualification: Class A
Brief Introduction to the Project: This project, which features high pressure, high GOR, high yield and high freezing point, is the largest monoblock condensate field in China. The technicians carried out technical experiments and researches aiming at various technical problems, solved the difficult problem of the gathering & transportation of fluids at normal temperatures, the high pressure dense phase transportation of fluids, the high pressure gas re-injection, the high pressure separation of fluids and the improvement of integral project benefits. The integral engineering can match the advanced level in the world. This project includes the four parts of systems outside the station, central processing station, railway loading station, and operation area. With a capacity of 3.2 million m^3/d, this condensate gas processing plant for the recovery of NGL is the biggest one in China. This plant was successfully commissioned on the first attempt. Moreover, the design yield was attained and the total investment was recovered completely in the same year when it was commissioned, which is rare domestically.

Leading Participants : Pei Hong, Guo Yeyu, Li Mingyi, Yin Yousheng, Yuan Xiujie, Zhao Shouyi, Zhao Wenxue, Song Qingping, Bu Xiangjun, Zhao Fujun, Xing Lixin, Liu Wenwei, Tong Zhaokun, Cui Yamin, Wang YI, Zhang Hongling, Sun Jingquan, Liu Yue, Cheng Hai, Kong Suyuan.

4：集中处理站一角 A View of the Central Processing Station
5：井站同晖 Well and Station Sharing the Afterglow
6：高效节能设备 Highly Efficient Energy–Conservative Equipment

金奖
GOLD PRIZE

北方国家级林木种苗示范基地工程

北京林业工程咨询公司
（原林业部调查规划设计院）

法人代表：李忠平
资质等级：甲级
项目简介：北方国家级林木种苗示范基地工程于1999年10月由国家计委批准立项。基地总面积156.53公顷，设计年产量1613万株。 整个工程设计先进、科技含量高，社会和经济效益显著，对全国林木种苗基地建设起到了很好的示范作用。2000年底基本建成并投入试生产，2001年赢利800多万元。
项目主要参加人：杜滨宁 刘德晶 康德铭 李学龙 史建忠 朱永红 涂琼 王澍 翁国庆 赵义廷 王宏伟 李凡


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1：具有国际先进水平的容器苗生产线 Containerized Seedling Production Line
2：温室内可移动防翻限位装置的苗床 Movably Operated Seedling Beds
3：现代化自控温室 Automated Temperature Controlling Greenhouses

North China National Level Tree Seedling Production Demonstration Base Construction Project

金　奖
GOLD PRIZE

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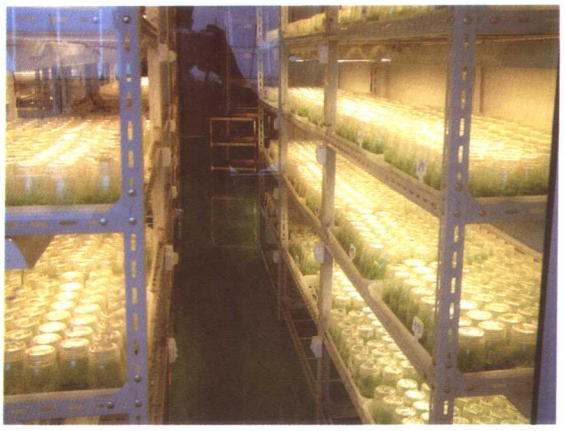

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Beijing Forestry Engineering Consulting Company(BFECC)
(Former Academy of Forest Inventory and Planning, Ministry of Forestry)

Corporate Representative: Li Zhongping
Grade of Qualification: Class A
Brief Introduction to the Project: The North China National-level Tree Seedling Production Demonstration Base Construction Project was approved by the State Planning Commission in October, 1999. The project area covers 156.53 ha. with a designed yearly production of 16.13 million seedlings. Due to the high quality design and advanced technologies used, the project has become a good example for establishing tree seedling production bases in other parts of the country. The project has yielded remarkable social and economic benefits. By the end of the year 2000, the base was basically completed and put into production. In the year 2001, the base made a profit of more than 8 million yuan.
Leading Participants: Du Binning, Liu Dejing, Kang Deming, Li Xuelong, Shi Jianzhong, Zhu Yonghong, Tu Qiong, Wang Shu, Weng Guoqing, Zhao Yiting, Wang Hongwei, Li Fan.

4：组培车间　Tissue Culture Workshop
5：炼苗车间（阴棚）　Seedling Breeding Workshop
6：大田生产示范区　Field Demonstration Site

金奖
GOLD PRIZE

上海宝山钢铁集团公司三期1550mm冷轧薄板工程

1550mm Cold Strip Mill Project of the 3rd Stage Construction of Baoshan Iron and Steel General Company

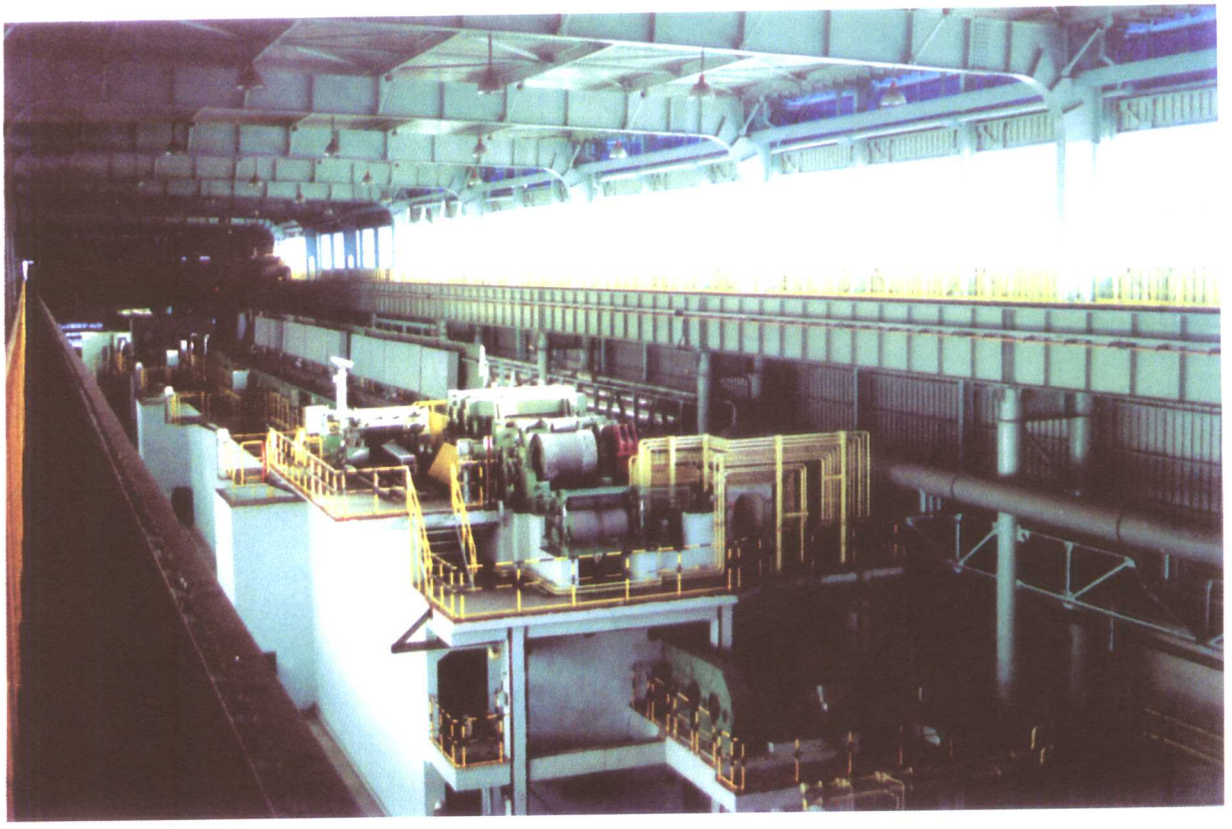
武汉钢铁设计研究总院

法人代表：项明武
资质等级：甲级
项目简介：该工程是国家“九五”计划重点工程，生产规模140万t/年。其中，酸洗－冷轧联合机组是我国第一条现代化生产汽车原板，也是世界上第一条用于生产电工钢的大型、高速酸洗－冷轧联合机组；废水处理在国内第一家采用酸性废水高密度污泥工艺。
项目主要参加人：陈永和 卢章金 高毅等

1

Wuhan Iron & Steel Design & Research General Incorporation

Corporate Representative: Xiang Mingwu
Grade of Qualification: Class A
Brief Introduction to the Projects: 1550mm cold strip mill project of Baosteel in the key project in the national "Ninth Five Year Plan", in respect to the products with some characteristics of high technological content, great difficult production but high added value and serious shortage domestically. The production scale is 1.4 million t/a and many new processes, new technologies and new equipment that emblem contemporary advanced level.
Leading Participants: Chen Yonghe, Lu Zhangjin, Gao Yi, etc.



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1. 法人代表：项明武 Corporate Representative: Xiang Mingwu
2. 酸洗——连轧联合机组酸洗部分 The View of the Pickling Part of Coupled PL/TCM Line

江西铜业公司德兴铜矿三期工程

Phase III Project of Dexing Copper Mine of Jiangxi Copper Company

金奖 GOLD PRIZE

中国有色工程设计研究总院
（简称恩菲 ENFI）

法人代表：康南京
资质等级：甲级
项目简介：该项目是国家“七五”、“八五”重点项目，生产规模为9万t/d矿石，是我国最大的冶金矿山，也是亚洲最大的铜矿。该项目是我国最早采用计算机软件系统圈定露天开采境界的矿山；首次在我国采用国际先进的“多碎少磨”节能工艺流程；采用创新的高效联合运输系统；是国内最大、技术最新的综合利用低品位废石生物浸出工艺的提铜厂；在我国首次实现了全选矿厂计算机集中控制；是我国第一个采用中线法堆坝的矿山，采取了独特的以废治废的治理矿山废水等多项保护环境措施的创新技术。

China Nonferrous Engineering and Research Institute (ENFI)

Corporate Representative: Kang Nanjing
Grade of Qulification: Class A
Brief Introduction to the Project: This project is a key project put on the list of the "Seventh Five-Year Plan" and "Eighth Five-Year Plan" of the country; with a production capacity of 90,000t/d of ore and a total investment of 2200 million RMB. It is not only the largest metallurgical mine in China, but also the largest copper mine in Asia. The mine is the earliest one to outline the open pit limit using computer software system and the first one to adopt world advanced "more crushing and less grinding" process of energy-saving type. In open-pit mining, large high-efficiency mining equipment and innovatory high-efficiency combination transport system have been employed, and its copper extractive plant incorporated with the latest biological leaching process for comprehensive utilization of low-grade ore is the largest one in China. The concentrator is the pioneer in China to realize centralized computer control of the whole plant and adopt centerline method for tailings damming. Furthermore, innovatory technologies for environmental protection, such as mine wastewater is treated with a unique process of "using waste to control waste ", etc. have been adopted in this mine.

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1：露天采矿场（含2） Open Pit (2)
2：大山球磨车间 Dashan Ball Milling Plant
3：大山选矿厂 Dashan Concentrator