



# RAINBOW

## ENVIRONMENTAL

Rainbow Environmental  
Equipment Co.,Ltd



industry leader

Industry Chimney System



COMPANY PROFILE  
企业简介

Founded in 1993

### 1993

Suzhou Rainbow Environmental Equipment Co.,Ltd. has held the national high-tech honor for more than 10 years

### 15,0000

covers an area of 150,000 square meters

### 1000<sup>+</sup>

employs over 1,000 Chinese and foreign employees

### 168

has obtained 168 national patents

Suzhou Rainbow Environmental Equipment Co.,Ltd. is a national high-tech enterprise which mainly provides flue gas emission system solutions and urban flue gas treatment system solutions, focusing on high temperature and all kinds of medium gas emission and treatment products, integrating research and development, production and service. Founded in 1993, Rainbow is headquartered in Suzhou National High-tech Development Zone, Jiangsu Province, China, with wholly-owned subsidiaries and production bases in Chengdu, Tianjin, Nantong and other places, and wholly-owned overseas subsidiaries of ES in Germany and EV in the United States respectively. Rainbow implements integrated operation of the project through the whole process of research and development, design, production, installation and maintenance. The main business is industrial anti-corrosion steel chimney series, commercial prefabricated double-layer stainless steel insulation chimney series, household fireplace and overseas household steel chimney series, dirty clothes well and other high temperature smoke exhaust pipes, and smoke purification and monitoring. Among them, industrial anti-corrosion steel chimney equipment covers four major structural forms such as self-supporting, cluster, tower and landscape, involving petroleum, chemical, new energy, waste incineration, power, metallurgy, light industry paper-making, non-ferrous metals, coal chemical industry, new materials and solid waste and other more than 10 industries. After more than 30 years of innovation and development, Rainbow has obtained more than 168 national patents, including 12 invention patents, and many soft and copyright. Participated in the establishment of the national flue gas desulfuration and denitrification technology Center pilot Base, China Urban flue gas Purification Research Center, wind vibration control engineering technology Center and big data monitoring Platform. As a well-known brand in the industry, "Rainbow" is the editorial board unit of China's chimney industry standards, the revision unit of chimney design specifications, and the chief editor of chimney installation specifications. Among them, it has compiled a total of eight national norms and standards, such as "Chimney Design Code", "Chimney Reliability Evaluation Standard", "Chimney Engineering Technical Standard", "Industrial Chimney Design Manual", "Prefabricated Double-layer Stainless Steel Flue and Chimney Technical Code" and anti-corrosion.

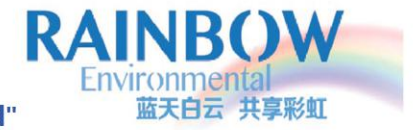
As a national high-tech enterprise, Rainbow is not only a CICIND member of the International Industrial Chimney Association in Asia and a member of the North American HPBA, but also a strategic partner with FERBECK Steel chimney Company in France. Now Rainbow has a German TUV horizontal testing center laboratory, CE certification of EU, UL and ULC certification of North American, CEP "China Environmental Protection Product Certification" and doctoral workstation. Rainbow can implement global research and development, production and sales, and can provide international trade-related services to help customers simplify international trade processes, reduce costs and improve efficiency through cooperating with overseas enterprises. Now Rainbow products have been exported to the United States, Germany, Japan, South Korea, Italy, the Netherlands, Denmark, New Zealand, Thailand, Indonesia, Vietnam, India, Singapore, the Philippines, Malaysia, South Africa, Turkey, Iran, Iraq, Kazakhstan, Uzbekistan, Pakistan, Serbia, Cuba and Russia and other dozens of countries and regions.

There are countless chimney engineering cases with international advanced technology designed, produced and installed by Rainbow. For example, Rainbow pioneered the domestic three-tube arc cluster chimney in 1997. In 2008, Rainbow established a three-tube cluster chimney with a height of 80 meters in South Africa, which became the first in the world at that time. In 2018, Rainbow established a self-standing sleeve steel chimney with a height of 120 meters, which became the first height of steel chimney in China's petrochemical industry and Asia at that time. In 2021, Rainbow erected a 135-meter-high sleeve self-standing steel chimney in Gansu Province, once again refreshing the new height in Asia. In 2022, Rainbow completed the 90-meter-high 10-tube cluster steel chimney project of Chongqing Fuling Chemical Industry of Sinochem Group, breaking through the technical application of the highest and most tube cluster chimney in Asia, and becoming the first Asian company to lead the technology forefront of the industry.

The goal of Rainbow is to become the global leader in providing flue gas system solutions and the leader in the field of steel chimney foreign trade. We always adhere to the "responsibility, honor, beyond" and "create value, to be respected" spirit of enterprise, constantly pursue innovation, improve our service quality, to provide users with international advanced level, complete functions, cost-effective, safe and reliable, first-class quality chimney equipment, for domestic and foreign customers to create more value.



Rainbow Brand -- "Safety, quality, character"  
Rainbow Culture -- "Responsibility, Honor, beyond"  
Rainbow Value -- "Create value and be respected"  
Rainbow Vision -- "blue sky and white clouds, sharing the rainbow"

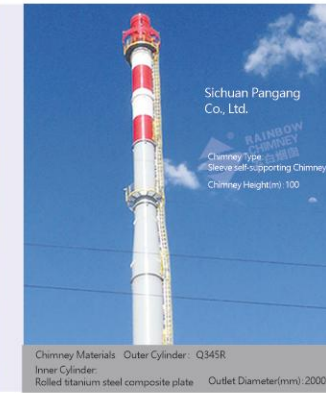
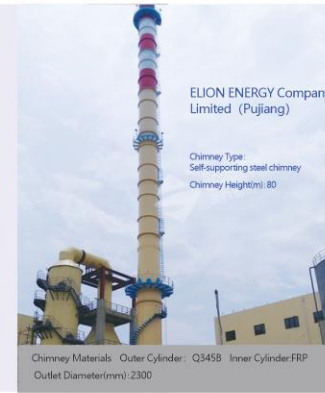
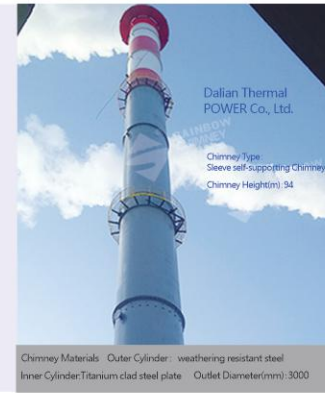
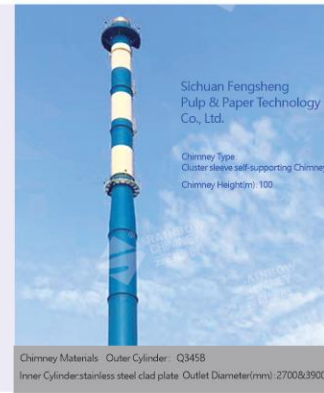




## 环保系统

### Environmental protection system

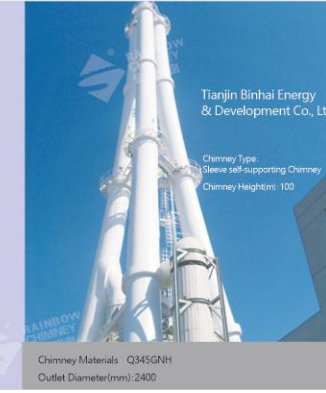
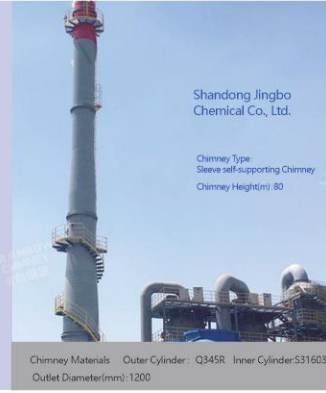
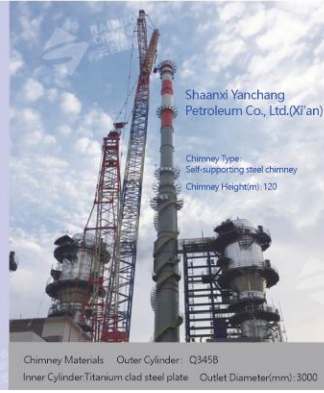
As the "most stringent Environmental protection Law in history", the chimney in the field of environmental protection has the technical characteristics of high complexity of smoke, high requirements for chimney anti-corrosion, high requirements for chimney appearance, high requirements for chimney professional degree and high requirements for chimney safety factor.



## 石化系统

### Petrochemical system

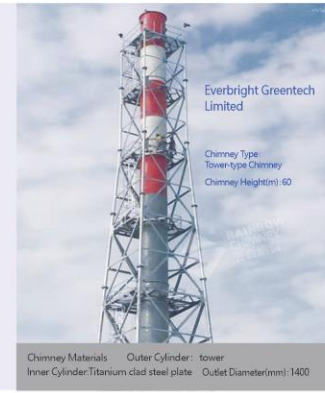
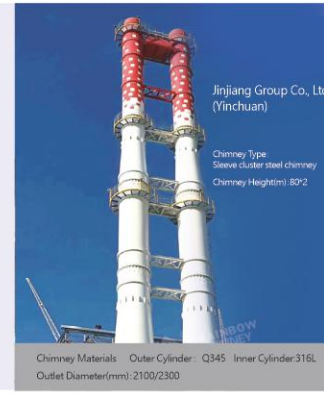
With the rise of the domestic petroleum refining industry, for the construction of refining plants, new steel chimneys have replaced traditional concrete chimneys to become the mainstream, steel chimneys not only have a more favorable cost, shorter production period, smaller footprint, more beautiful appearance, but also reduce the investment cost of the chimney, and in the foundation, layout, space, running time more for customers to save costs.



## 危废系统

### Hazardous waste system

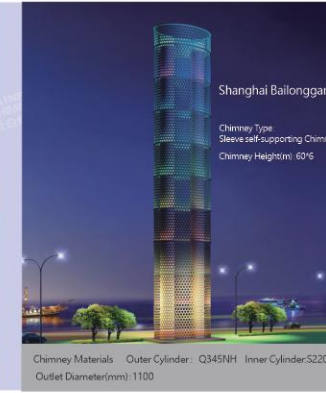
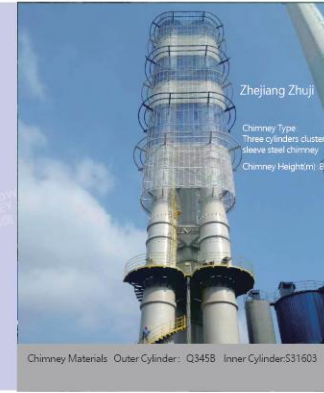
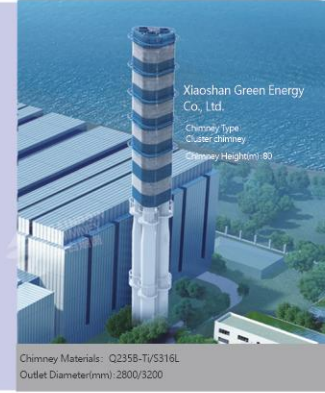
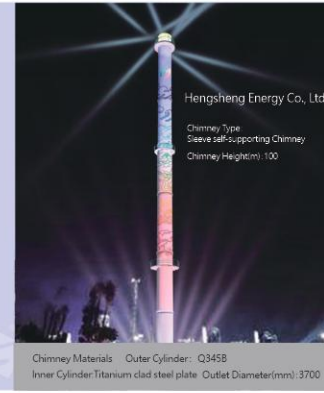
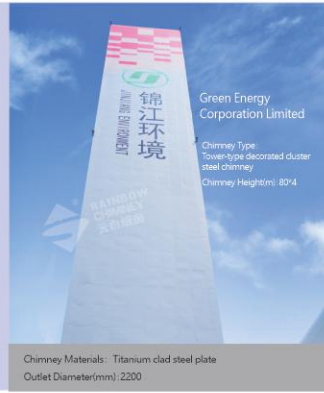
The incineration of raw materials in industrial hazardous waste projects is more complicated, the flue gas treatment process is different, the emission of flue gas composition is different, mainly including SO<sub>2</sub>, HCL, HF and other acidic substances and water content. Because of the prominent corrosion problem of flue gas composition, it is particularly important to choose the appropriate anti-corrosion material for the life of the chimney.



## 景观系统

### Landscape system

The chimney is the highest building in a certain area, and it also belongs to the smoke exhaust equipment, which usually causes great concern of the surrounding residents. The deindustrialization of chimneys and the NIMBY(Not In My Back Yard) effect have formed the development direction of the artistic, ornamental and landscape of chimneys.



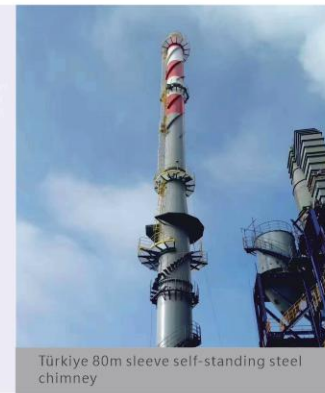
## 海外案例

### Overseas classic project case

Rainbow chimneys have entered nearly 30 countries and regions in the world. At present, it has undertaken a number of Belt and Road projects, such as "Thailand Boiler Island", "India Boiler Island", "Indonesia Power Station", "Bangladesh Power Station", "South Africa Boiler Island", "Qatar Doha International Airport", "Spain City Square", and some projects have become local landmarks.

# 30+

Rainbow chimneys with advanced concept, accurate design, excellent quality and timely delivery and other advantages have been highly recognized by the international market.

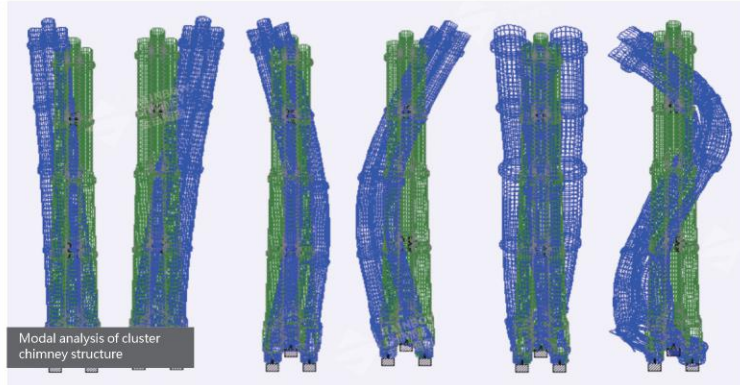
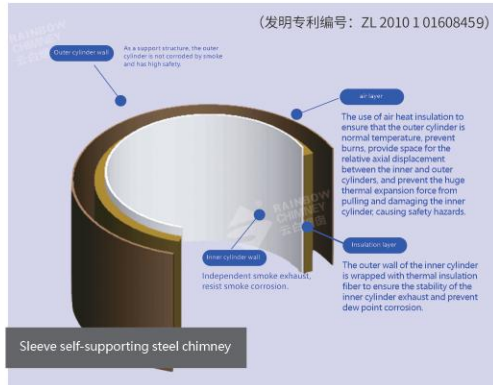
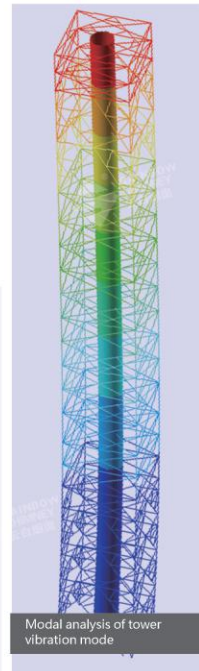




# INDUSTRIAL TECHNOLOGY DEVELOPMENT

工业技术研发

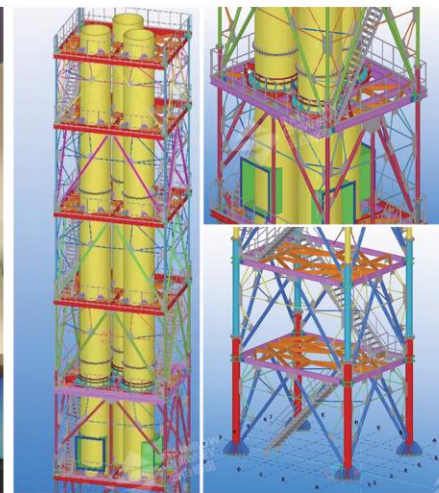
structure, shape, corrosion protection and landscape design. According to the different geographical, climate, working conditions, smoke, environment and other actual parameters in the chimney project as the design conditions, strictly follow the requirements of GB50051-2013 "Chimney Design Code", "Industrial Chimney Design Manual" and other national norms and industry manuals, with decades of construction practice and successful experience in design and development. To provide customers with safe, economic, beautiful design and construction schemes.



Remote monitoring and diagnostic services/Large database

The structure modeling, design, calculation and manufacturing system of the tower decoration chimney developed by Rainbow

Rainbow factory scale simulation experiment chimney Height: 100m Diameter: 2000mm

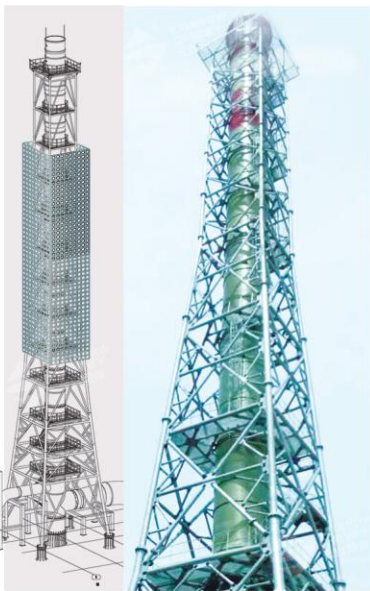
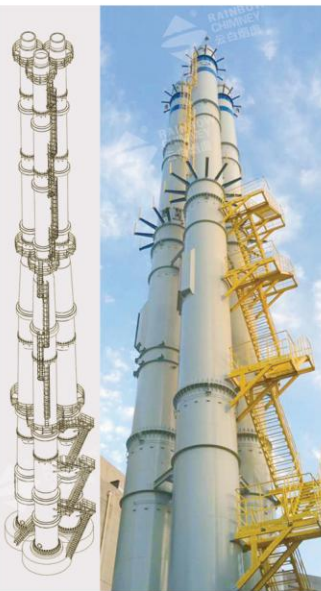
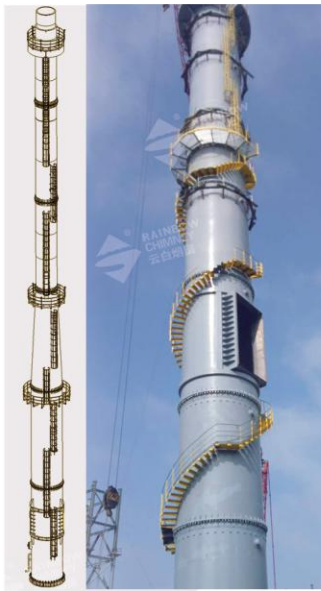


Damper shock absorber

Sleeve self-supporting steel chimney (Sleeve single-cylinder self-supporting/Sleeve multi-cylinder self-supporting)

Sleeve self-supporting steel chimney (double-cylinder cluster/three-cylinder cluster/multi-cylinder cluster)

Tower-type steel chimney (Square Tower/Triangular tower)



# QUALIFICATION AND CERTIFICATION

资质与认证

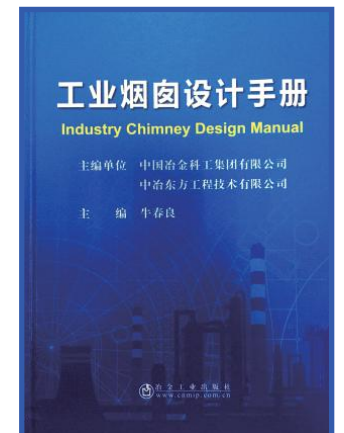
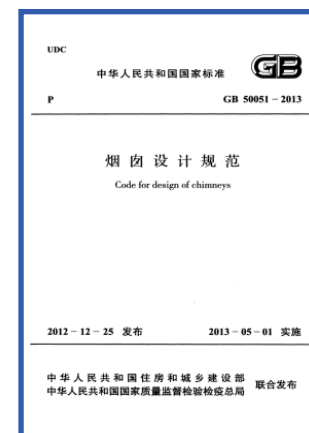
As a senior member of International Industrial Chimney Association (CICINA), Rainbow has passed CEP "China Environmental Protection Product Certification", ISO9001, ISO14001, ISO18000 and other international quality management system certification and environmental management system certification, and has a German TUV level testing center and laboratory. With CE, UL, ULC certification, Rainbow is one of the few chimney manufacturers that implements global chimney R&D and production service sales.



# CODES AND STANDARDS

规范与标准

Rainbow has edited, participated in the review, participated in the compilation of GB50051-2013 "Chimney Design Code", GB51056-2014 "Chimney Reliability Evaluation Standard", CJ/T288 "Double Stainless Steel Flue Chimney Industry Standard", CECS415 Technical Specifications for Prefabricated Double Stainless Steel Flue and Chimney, ST/CECS583-2019 Technical Specifications for the Application of Commercial Gas Burning Appliances, ST/CECS Welding Specifications for Stainless Steel Structures, ST/CECS Technical Specifications for Indust



Chimney Design Code (GB50051-2013) Chapter on steel chimneys edited

Chimney Engineering Technical Standard (GB/T 50051-2021) Chapter on steel chimneys edited

Chimney Reliability Evaluation Standard (GB51056-2014) Chapter on steel chimneys edited

Industrial Chimney Design Manual - "Chimney Design Code" coedit Matching tool



# HONORS AND REWARDS

荣誉与奖励

Rainbow Environment has dozens of industry honors and awards, including: national high-tech enterprises, the first batch of "specialized, unique and new" small and medium-sized enterprises in Suzhou High-tech Zone, "Enterprise Credit AAA Credit Certificate" Enterprise, Petrochina Petrochemical Designated Industrial Chimney Technology Special Equipment Enterprise, Jiangsu Province High New technology enterprise, with doctoral workstation, Jiangsu Province Energy Conservation and Environmental Protection Technology and Equipment Industry Standing Director Unit, CICIND Chimney Association Industry, member units of China Industrial Anticorrosion Technology Association and enterprise technology centers recognized by Suzhou Municipal Government, etc.



# TECHNOLOGICAL RESEARCH AND INVENTION

技研与发明

Rainbow has obtained more than 168 patents, including more than 12 invention patents, and a number of soft copyrights and intellectual property rights, covering almost the whole field of industry technology." As the first-selected brand of the chimney industry, Rainbow has participated in the establishment of more than ten technology research and development centers such as the national flue gas desulfurization and denitrification technology Center pilot base, China Urban flue gas Purification Research Center, wind vibration control engineering technology Center, and has now become synonymous in the field of metal chimneys.



## China Rainbow Environment Enterprises

**Suzhou Rainbow Environmental Equipment Co, Ltd**  
address: 118 Zhenbei Road, High-tech Zone, Suzhou City, Jiangsu Province

Sales hotline: 185 5157 9888  
185 5157 9729  
mailbox: hj@szhuading.com  
Website: www.szhuading.com

**Tianjing Rainbow Environmental Equipment Co, Ltd**  
address: No. 23 Baofa Road, Baodi energy saving Industrial Park, Tianjin

Sales hotline: 185 5157 9888  
185 5157 9668  
mailbox: tj@ybhj.com  
Website: www.tyunbai.com

**Chengdu Rainbow Environmental Equipment Co, Ltd**  
address: No.77, Environmental Protection Road, Environmental Protection Industrial Park, Jintang County, Chengdu, Sichuan Province

Sales hotline: 185 5157 9888  
156 0800 1012  
mailbox: chengduyunbai@163.com  
Website: www.yunbaihuanjing.com

**Nantong Rainbow Environmental Equipment Co, Ltd**  
address: 15 Yuanxing Road, Jiahua Town, Nantong City, Jiangsu Province

Sales hotline: 185 5157 9888  
185 5157 9729  
mailbox: hj@szhuading.com  
Website: www.szhuading.com

Free service hotline  
**400-1799-080**

