

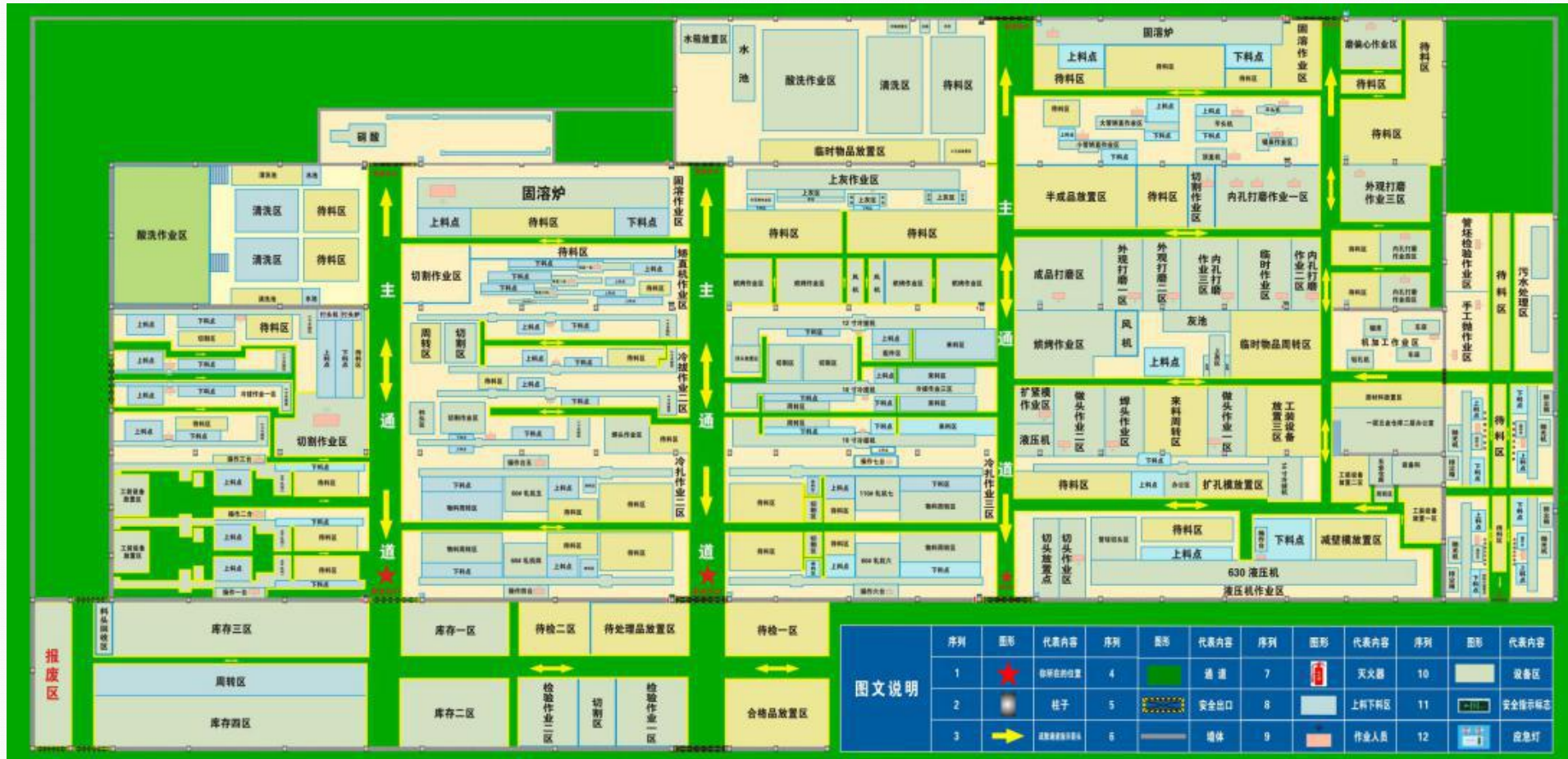


宝丰钢业集团
BAOFENG STEEL GROUP

Professional Stainless Steel Pipe Manufacturer



Emergency Exit & Escape Map—Workshop 1-Floor Plan

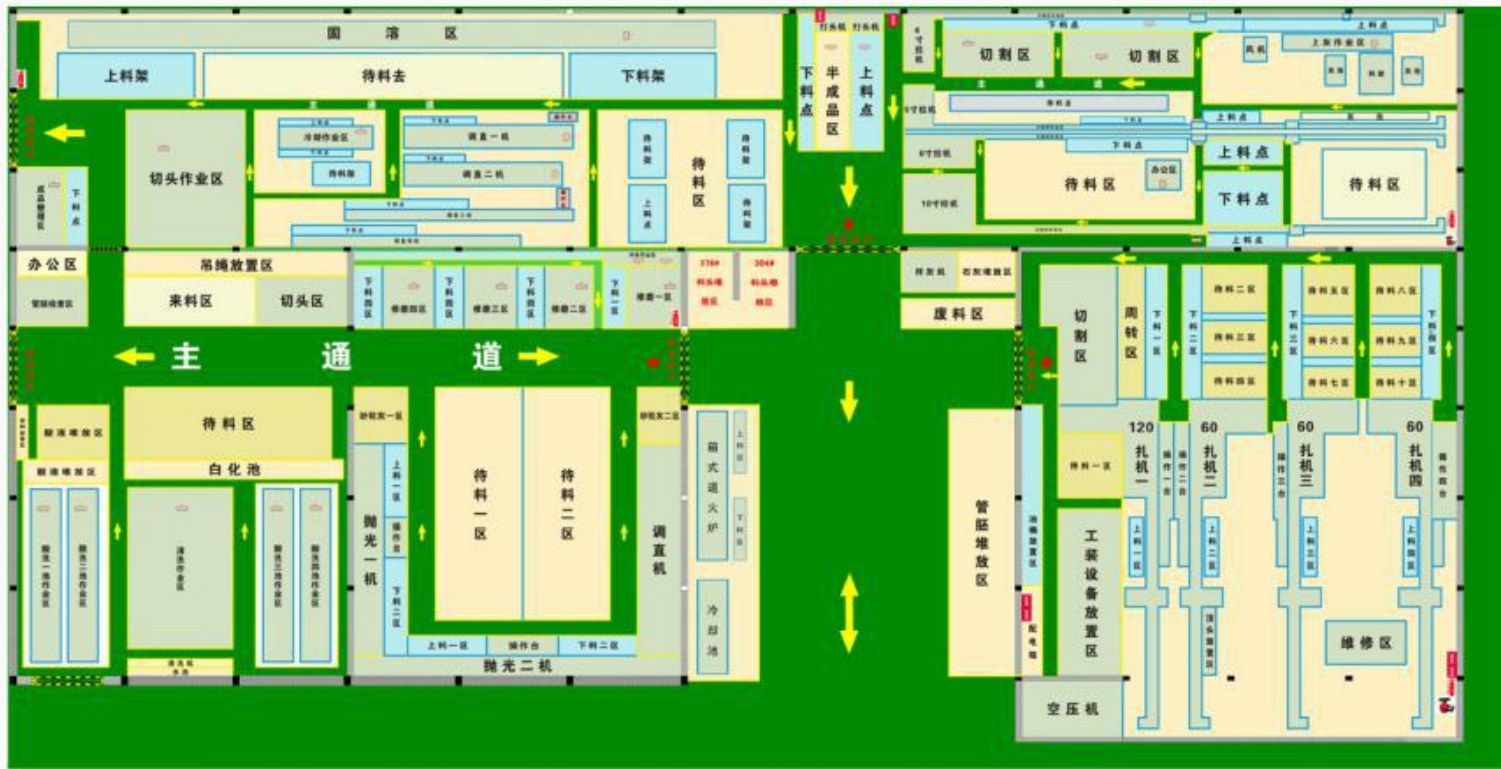


HSE Announcements



Emergency Exit & Escape Map - Workshop 1

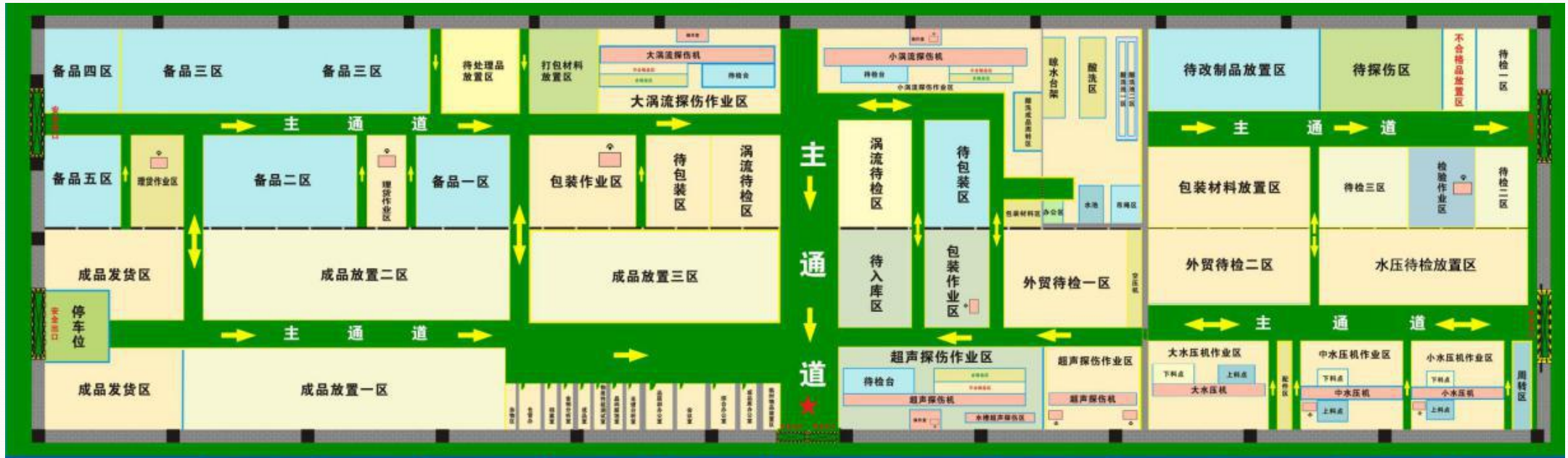
Piercing Workshop



图文说明		序列	图形	代表内容	序列	图形	代表内容	序列	图形	代表内容	序列	图形	代表内容
	1	1	📍	您所在的位置	4	🚪	通道	7	🔥	灭火器	10	🔧	设备区
	2	2	📏	柱子	5	🚪	安全出口	8	📏	上料下料区	11	🔥	消防栓
	3	3	➡	疏散通道指示箭头	6	🧱	墙体	9	👤	作业人员	12	🔌	配电箱

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Emergency Exit & Escape Map – Testing center & Warehouse



图文说明

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3	➡	疏散通道指示箭头	6	—	墙体	9	🔥	灭火器	12	🔌	配电箱



- ❑ **Company Profile**
- ❑ **Company Superiority**
- ❑ **Company Qualification**



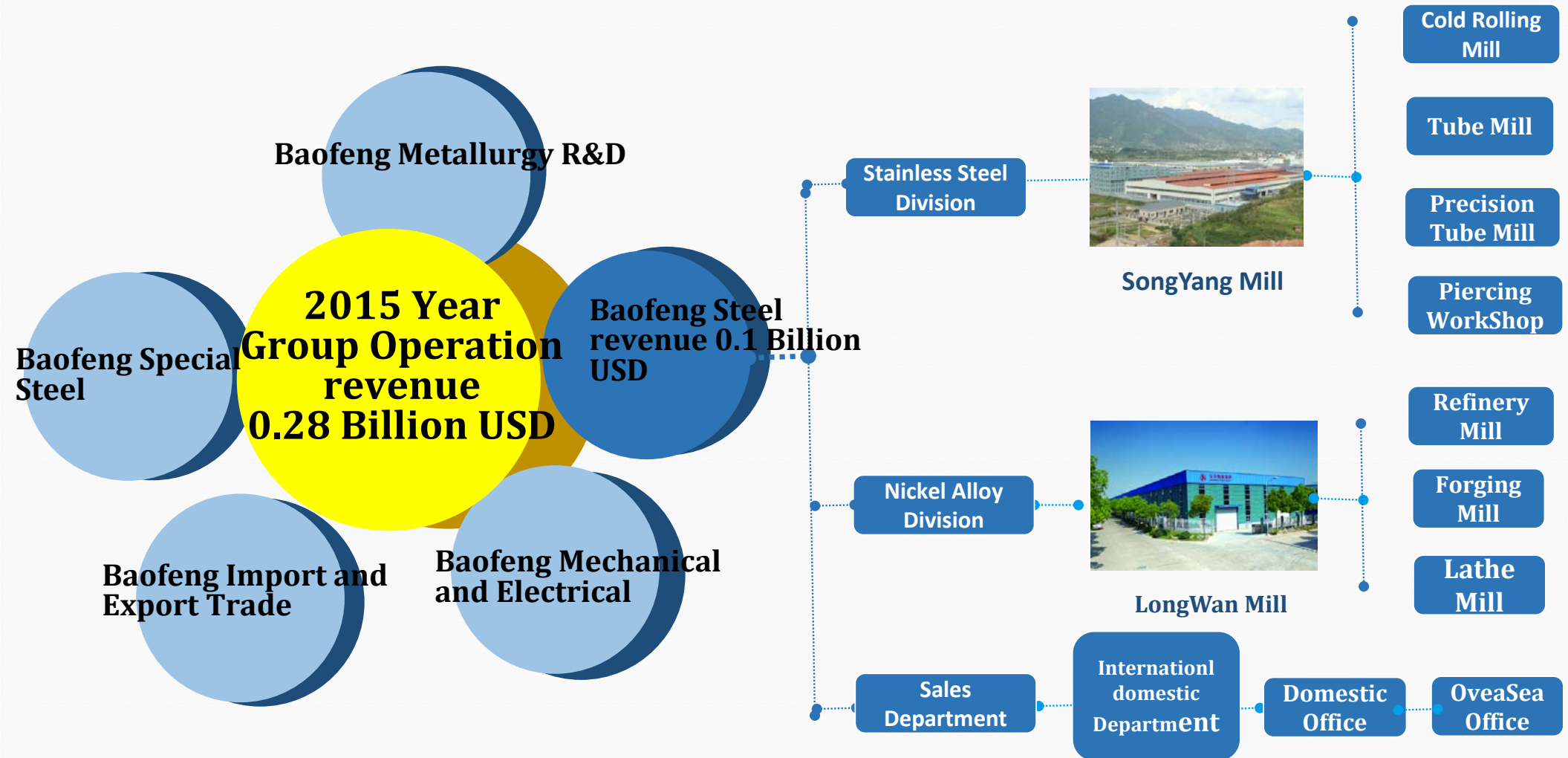
Part I

PROFILE

- Enterprise Overview
- Company History
- Main Products
- Sales Performance
- Application Fields



Part I: Baofeng Steel Group Co.,Ltd Overview



Part I: Baofeng Steel Group Co.,Ltd Overview



Establish	2000 Year
Registered capital	22.4 Million USD
Employees	436
Quality Management System Certificate	ISO9001:2008
Environment Management System Certificate	ISO14001:2004
Occupational Health&Safty Management System Certificate	OHSAS18001:2007
Special equipment manufacturing license	A1,A2,B2Class,GermanTUVCertificate, PED97/23/EC European Union Certificate,Russian RTN and GOST Certificate
Main Products:	Industrial Austenitic Stainless Steel Pipe,Duplex Steel Pipe,Nickel Alloy Pipe
Floor space	Thiry Five thousand square meter
Output Ability/Year	Twenty-four thousand Ton/2000 tons



Part I: Baofeng Steel Group Co.,Ltd Overview



2000

Established Baofeng Special Steel annual output 25000 tons
Stainless steel bar, steel ingot

2002

Baofeng piercing start produce 1800 tons mother pipe/Year

2006

Baofeng move and rebuild new SongYang production workshop,2000 ton cold rolled/drawn stainless steel seamless pipe/annual output

2007

Changed Name:Baofeng Steel Group Co.,Ltd

2009

Baofeng applied Seven Shipyard certificates,products succeeded used in Shipbuilding/Military field

2010

Baofeng facility reforming,established Baofeng special material division,produce High Nickel Alloy

2014

Baofeng completed 5S system reform,full implementation precise standardization production control system

2015

Baofeng completed Natural gas solid solution furnace transformation,products online tracking system,was named National High-Tech Enterprise

HISTORY

2000

2005

2010

2015

2003

Baofeng seamless mill start produce annual output 6000 ton stainless steel seamless pipe

2005

Established Baofeng import&Export Co.,Ltd,export 2000 tons to worlds.

2008

Approved PED Certificate,Products export European market,630mm hydraulic cold drawing production line start produce,build inspection workshop

2011

Baofeng High Nickel Alloy:N04400、N06600、N06625、N08800、N08825 through National Iron and steel material testing center and SGS Inspection.

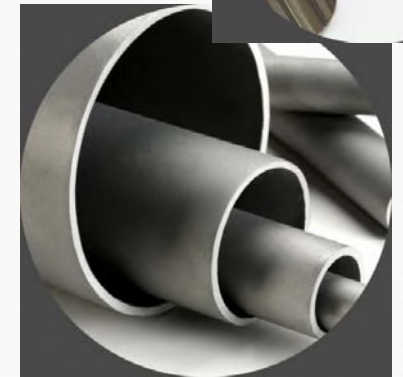
2012

Baofeng High Nickel Alloy:Hastelloy C276、B、B2 through National Iron and steel material testing center and SGS Inspection

Part I: Main Steel Grade and Size Range



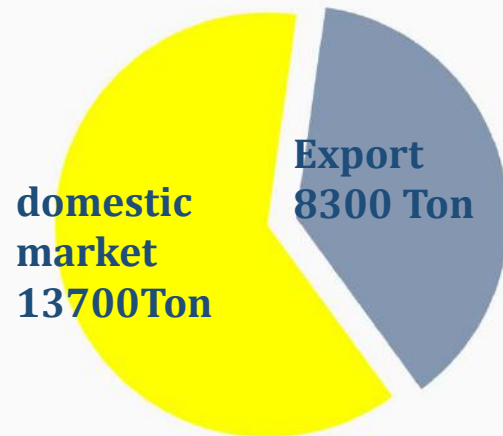
Steel Grade:	Material:	Size Range:
Austenitic Stainless Steel	304/L/H/LN、 316/L/H/LN/Ti、 321/H、 317/L/LN、 347/H、 310S/H、 309S	OD:6-711,WT:0.5-60
Nickel Alloy Pipe	N02200、 N02201、 N04400、 N06600、 N06690、 N06625、 N06985(G3)、 N08028、 N08800、 N08810、 N08811、 N08825、 N10276、 N10624、 N10629、 N10675	OD:12-325,WT:0.8-20
Super Austenitic Stainless Steel	N08904 (904L)、 S31254、 S30432、 S31042、 N08367(6Mo)	OD:12-325,WT:0.8-20
Super/Duplex Stainless Steel	S31500、 S32101、 S32003 、 S32304、 S31803、 S32205、 S32750、 S32760	OD:12-426,WT:0.8-30



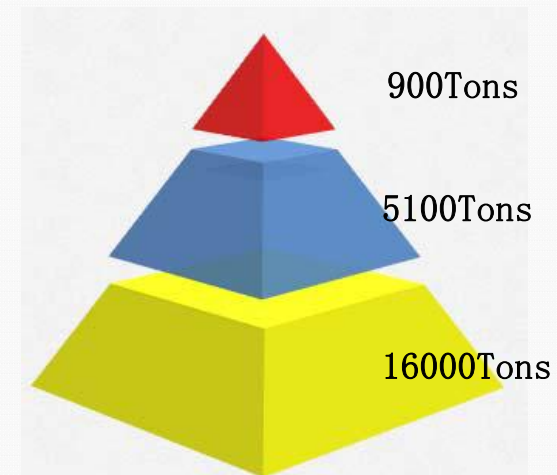
Part I: Sales Volume



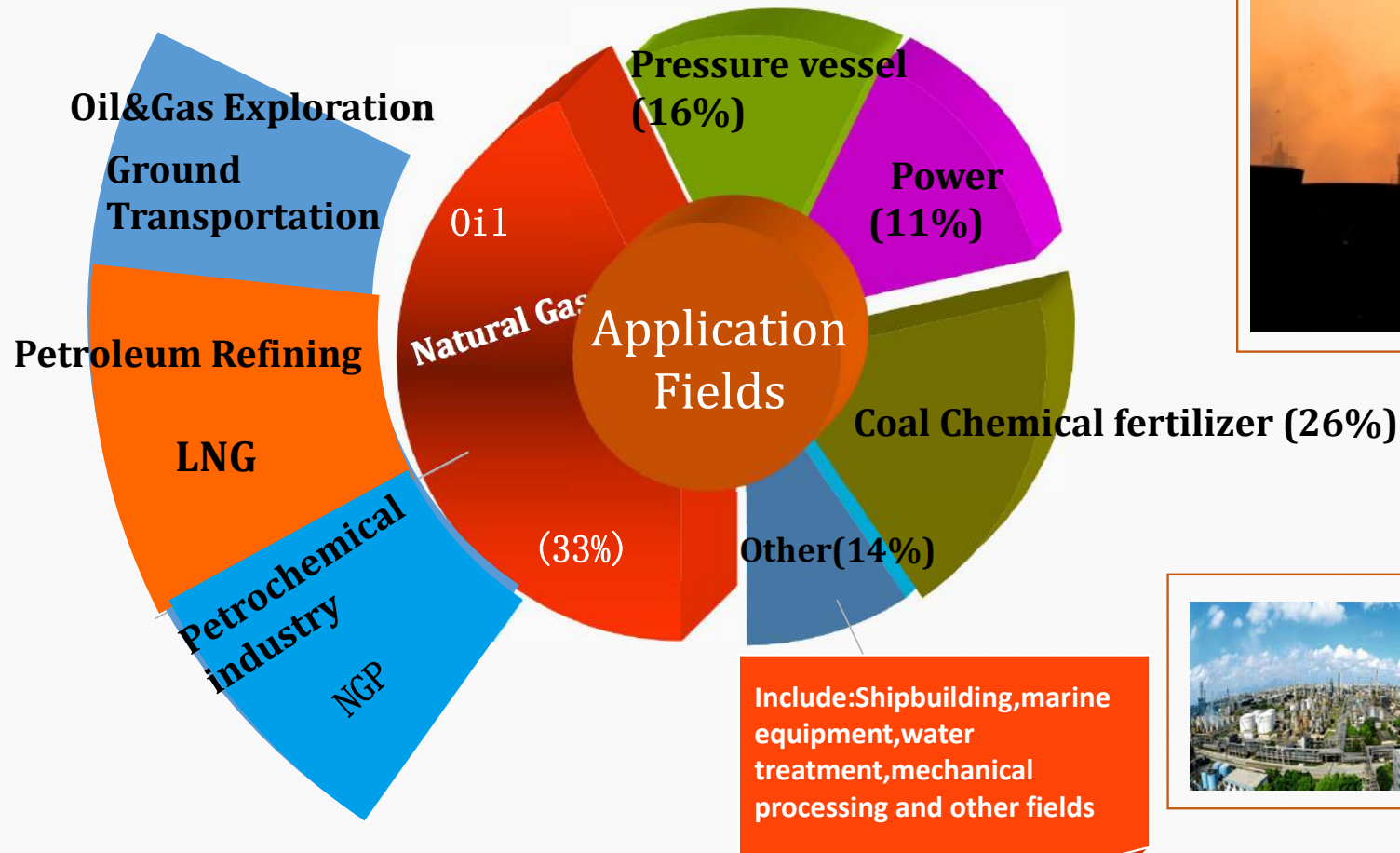
Baofeng steel pipe have been exported to North America, Europe, the Middle East, Southeast Asia, more than 50 countries. Product sales increase year by year. 2014 year sale volume has reached 22000 tons. Products covering oil and gas,transporting,refining, chemical industry,coal chemical Plant,electric power,nuclear power,shipbuilding,Marine engineering,Sea water desalination and water treatment,instrument& instrumentation,pressure vessel manufacturing,machinery manufacturing and other fields



Products Sale Volume proportion:
Export:40%
Other Special Material:4%
(Super)Duplex Stainless Steel:23%
Austenitci Stainless steel:73%



Part I: Application Fields

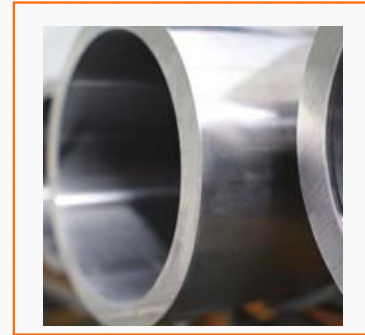


Part II:

Superiority

- ❑ Products Superiority
- ❑ Technical Equipment Superiority
- ❑ Quality Guarantee
- ❑ Service Guarantee

- 1 Products Superiority**
- 2 Technical Equipment Superiority**
- 3 Quality Guarantee**
- 4 Service Guarantee**



Part II: Products Superiority



Heat Exchanger Tube



Oxygen Pipeline



Low Temperature LNG Pipe



Nickel Alloy Pipe



Shipbuilding/Yard Pipe



Sanitary Pipe/Tube



Precision Instrument tube



Hydrogenation Furnace tube



Rectangular pipe

1. Complete product variety, complete steel grade specification coverage widely
2. Diameter 6~38mm Longest length 32 m, diameter 38-168mm longest length 24m, 219-630mm longest length 14m, meet special equipment manufacturing require and decrease field installation welding, improve process pipeline safety
3. Long-term retention raw material inventory 2000 tons, Semi-finished products inventory 2000 tons, finished products inventory 1000 tons, improve production efficiently and ensure delivery time

Part II: Advantage Products1

High Temperature Nickel Alloy Pipe

- ✓ more than 20 Key technology,11 national patents
- ✓ N02200,N04400,N06600,N06625,N08028,N08800,N08810,N08825,N10276 material alloy pipe through national material test center and SGS Inspection Center
- Material chemical composition,purity and uniformity index reached the international level;
- Refined surface treatment;
- Precision heat treatment technology;
- ✓ Delivered USA Schlumberger;
- ✓ Delivered Zhejiang SanJing Petroleum Company.



Part II: Advantage Products2



(Super) Duplex Stainless Steel

- ✓ Superior (Cl-) corrosion resistance, Excellent stress corrosion resistance ability;
- ✓ Excellent Pitting corrosion and Crevice corrosion performance. Comprehensive mechanical properties;
- ✓ Good welding performance;
- ✓ Key technology:
Heat Treatment Pipe making technology, make pipe metal tissue density, grain refining.
Good surface quality, comprehensive performance better, uniform performance,
- ✓ Delivered Saudi Arabia National water company Seawater desalination Project,
- ✓ Delivered CGNPC Namibia Project.



Part II: Advantage Products3

LNG Project Middle&large diameter thick wall pipe(LNG,LPG PipeLine)

✓Key Technology:

Breakthrough of Middle&Large diameter thick wall pipe length

12m,reduce installation welded seam;

Solved the heat treatment difficulties;

✓Wall Thickness;

✓High Pressure;

✓Ultra-low temperature environment;

✓CNOOC FangCheng LNG Project;

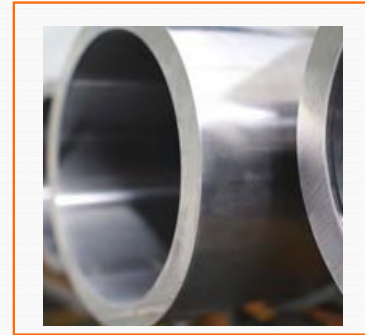
✓XinYangZi LNG Ship Productive Nationalization;

✓LNG receiving station:711mm*Wall Thickness 12.7mm DRL 12m

Pipe



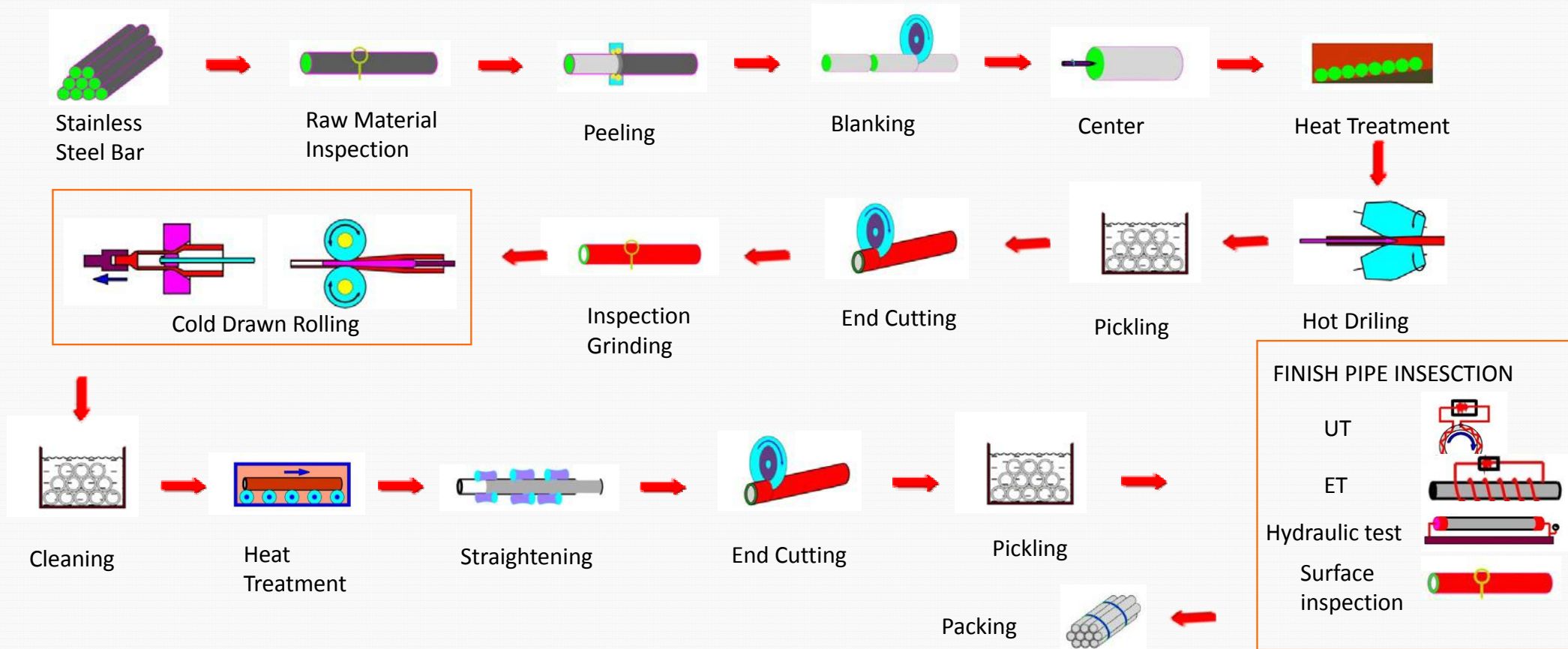
- 1 Products Superiority**
- 2 Technical Equipment Superiority**
- 3 Quality Guarantee**
- 4 Service Guarantee**



Part II: Technical Equipment Superiority-I



Piercing Processes of Seamless Pipes / Tubes



Part II: Technical Equipment Superiority-II



Four Automatic hydraulic cold drawing production line



Four Automatic Natural Gas Annealing Furnace



Four Straightening machine



24 Precision cold rolling production line



28 semi-automatic Cold drawn production line



4 Automatic hot Piercing production line

Part II: Technical Equipment Superiority-III



630mm Large diameter super-long hydraulic cold drawn stainless steel pipe production line



280mm Cold Rolling Produce Line



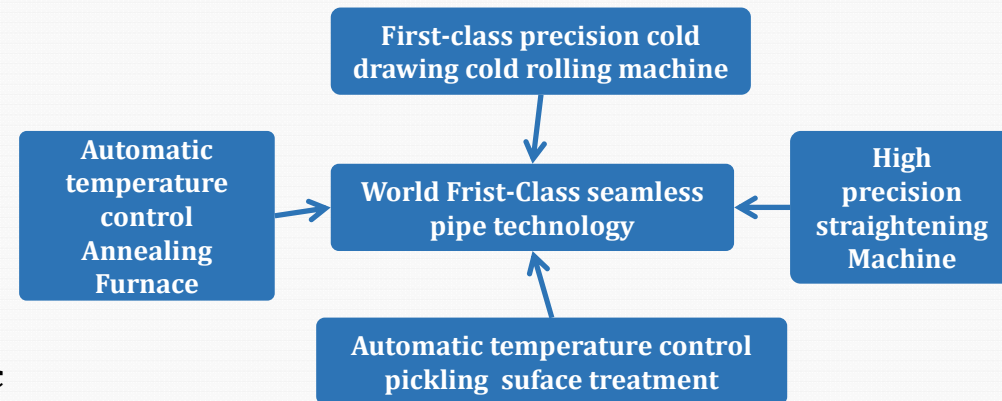
Automatic temperature control pickling passivation equipment



32m Automatic continuous solid solution annealing furnace



630mm Large Diameter Automatic straightening machine



Part II: Technical Equipment Superiority-III



Raw Materil Inspection

BaoFeng has stricly requirements for raw material quality and stability,therefor,it's necessary to control raw material quality in advance.Integrated survey suppliers production equipment,production quality,supply ability,testing instruments,quality assurance system and so on ensure raw material safe and reliable.

Technical Flow Control

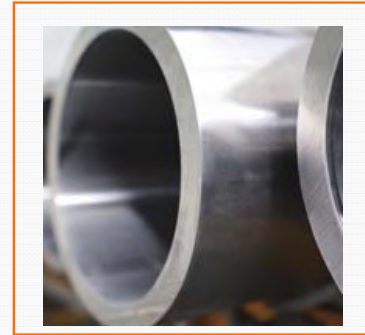
Baofeng according to different steel grade material performance characteristics rule machining process,strictly regulate the operation procedures,operating procedure ERP tracking system,guarantee products quality and product traceability system.Baofeng adopts combination of cold rolling cold drawing process,improve product processing efficiency at the same time guarantee each batch products quality.

Site 5S management

15 years experience,let BaoFeng people Summarizes humanism,systematic,institutionalized,specialization,intensification management principle.SEIRI、SEITON、SEISO、SEIKETSU、SHITSUKE 5S management system,developed staff seriously,careful,responsible working attitude,ensure each product let customer trust.



- 1 Products Superiority**
- 2 Technical Equipment Superiority**
- 3 Quality Guarantee**
- 4 Service Guarantee**



Part II: Quality Guarantee-I



NDT Inspection

PMI Inspection

Eddy Current Detection

Ultrasonic Flaw Detection

X-Ray Flaw Inspection

Water Pressure Test

Air Pressure Test

Dimension measurement

Internal and external surface
Inspection

Liquid penetrant Inspection

Physical and chemical properties Inspection

Metallographic structure and
microscopic analysis

High temperature lasting creep Test

Tensile test high/normal temperature

High/ Low Impact Test

Technical Performance Test

IGC Test

SCC Test

Pitting Index

Crevice corrosion test

National High-Tech Enterprise



Part II: Quality Guarantee-II

NDT Inspection



Dimension measurement



Ultrasonic Flaw Detection (UT)



Eddy Current Test(ET)



PMI Inspection



Water Pressure



X-Ray Inspection



Air Pressure Test

Part II: Quality Assurance-III

Non Destructive Testing



NCS Oxygen -Nitrogen Analyzer



Leco carbon-sulfur analyzer



NCS carbon-sulfur analyzer



Leco Oxygen Nitrogen Analyzer



Direct-reading spectrometer



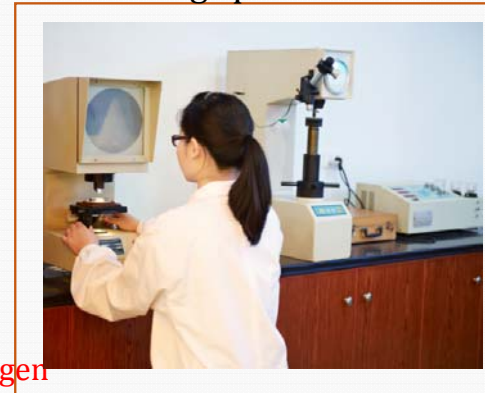
Impact testing machine



Sample



Laboratory



Baofeng now has direct-reading spectrometer, various carbon-sulfur analyzer, Oxygen and nitrogen hydrogen analyzer ,etc, can perform single element/all elements analysis, Gas content analysis on stainless steel, nickel alloy material. and built wet

Part II: Quality Assurance-III



Non Destructive Testing



Sclerometer



Metallography analysis



Universal Testing Machine



300 thousand times-
scanning electron mi
croscope+
Energy Disperse Spe
ctroscopy



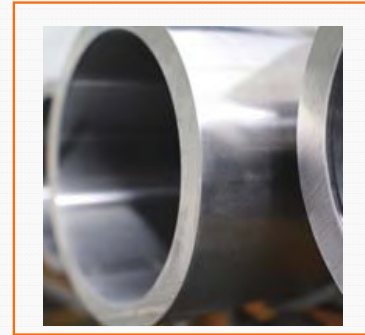
Intercrystalline Corrosion



H2S Stress corrosion testing ,
Separate stress loop test system
0~150 thousand psi 250ml

Baofeng now has Universal Testing Machine ,Metallurgical Microscope,Punching Test machine, electron microscope+ Energy Dispersive System,can perform tests like mechanical property, microstructure, intergranular corrosion and Fracture failure analysis ,etc on stainless steel and nickel alloy material. Know comprehensive material function and failure cause ,ensure quality of each batch of goods by Fracture failure analysis.

- 1 Products Superiority**
- 2 Technical Equipment Superiority**
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Part II: Service Assurance



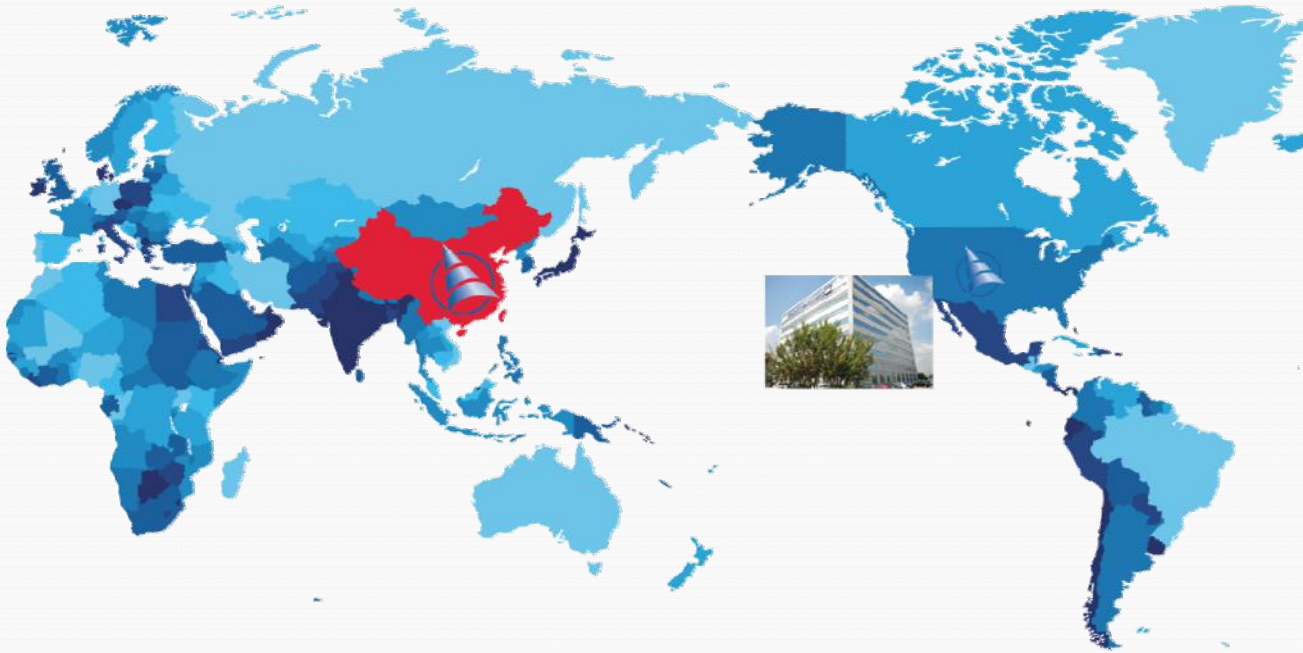
Baofeng provides many kinds of packing to meet clients requirement, including hexagon packing, wooden frame packing, wooden case packing etc, make sure every product is well kept and stored and protected during the transit.



Warehouse	1#
floor area	14,000 m ²
inventory capacity	6,000 ton
number of drive	12

Baofeng provides safe, fast and convenient logistics solution, performing strict qualification and credit checks on logistics enterprise and sign a long-term cooperation agreement。 Meanwhile we focus on process supervision of each batch, make sure the goods delivered safe and prompt.

Part II: Service Assurance



Baofeng has advanced sales network designated responsible in every province, autonomous regions and municipalities all over the country, can serve clients closely.

**Baofeng has U.S Representative Office
Baofeng Xinjiang Representative Office
Baofeng Chengdu representative Office
Provide convenient and service to clients**

**24-hour service to domestic clients.
Arrive at site with 48 hours**

Part III:

Qualification

- Qualification and Honor Certificate
- Patented Technology assurance
- Supplier Network Member Certificate
- Customer Recognition

Part III: Qualification and Credit Certificate



Baofeng improves the quality system management continuously ,ensures providing high quality, safe and reliable



- 1.ISO9001;ISO14001;OHSAS18001 ;
2. PED 97/23/EC & ADW2000 European Union Pressure-bearing Equipment Manufacturing License Certificate
- 3.Russian GOST Steel Pipe Manufacturing License Certificate
4. classification society: LR, GL, ABS, DNV, CCS, BV;
5. Special Equipment Manufacturing Certificate(Pressure Piping Components)



Part III: Patented Technology assurance



Baofeng carries on technological and process innovation constantly , improving product quality and creating value for customers



Baofeng owns 11 national patents by taking on independent research and development

Part III: Supplier Network Member Certificate



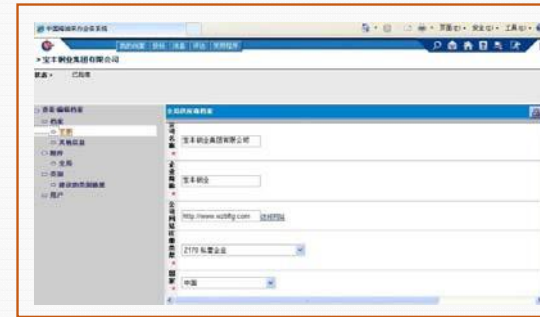
Listed in random order



Sinopec



CNPC



CNOOC

Supplier of:
 CGNPC
 Three Gorges
 Huaneng Group
 CPI
 Datang Group
 Dongfang Electric
 Hualu Engineering
 ECPC
 Yankuang Group
 Yangquan Coal Industry
 Jin-me group



Sedin Engineering



CNNC



Huadian Group



HFEC

Part III: Client Reference



Baofeng Served hundreds domestic key projects, rely on high-quality products and excellent service, has been the qualified supplier of lots of top five hundred companied both domestic and abroad, such as CNOOC, Three Gorges, petrobras, Schlumberger, Saudi Aramaco etc, supply global industrial equipment with safe and reliable stainless steel pipes.



宝丰钢业集团
BAOFENG STEEL GROUP

Baofeng Sincerely at your service

