Ningbo C.S.I. Power & Machinery



Leader in HFO Power Plant Solution



For over Oyears we've been a China Largest Engine Manufacturer In Marine Medium Speed

L 16/20 L 21/30







L 30/38

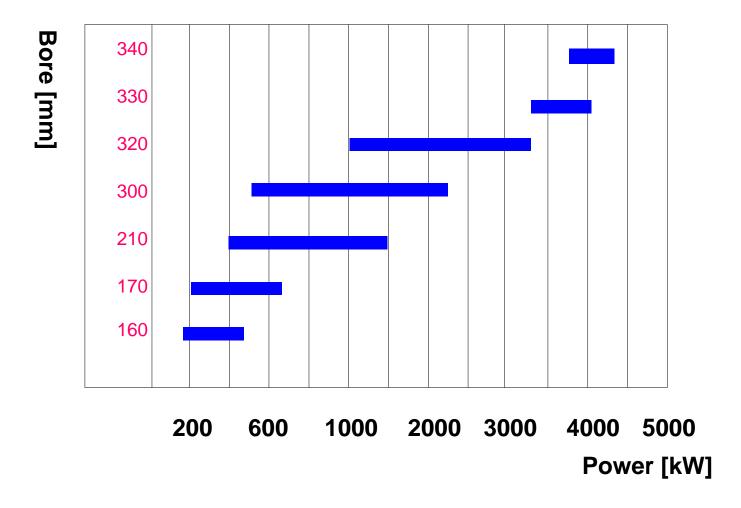


L 32/38

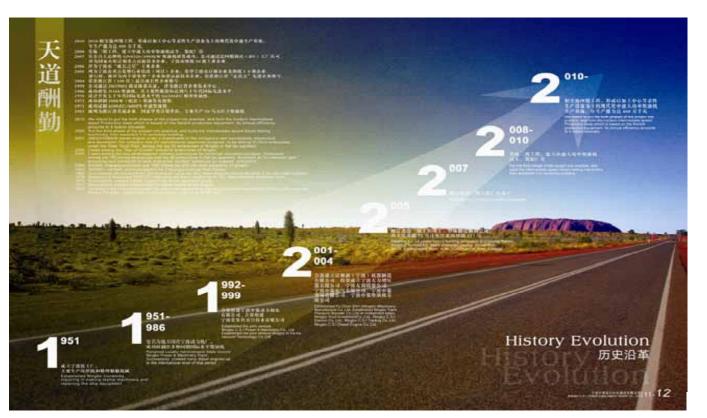


L 33/45





Product Series and Power Range 200~4500kW





Since 1900 Ningbo Shunji Machine Factory

1951-1957 Ningbo Iron Factory

1957-1992 Ningbo Power & Machinery Plant

1992- Ningbo C.S.I. Power & Machinery Grou



Engine Building History



1900~1957 Textile machine and Ship repair

1957~1992 Factory Belong

Factory Belong to PRC Ministry of Machinery, as a key enterprise specializing in producing Marine engines and diesel generators.

Engine power range from 30HP to 1500HPs

1992~Now

Joint venture, rename to Ningbo C.S.I. Power & Machinery Group Co., Ltd.

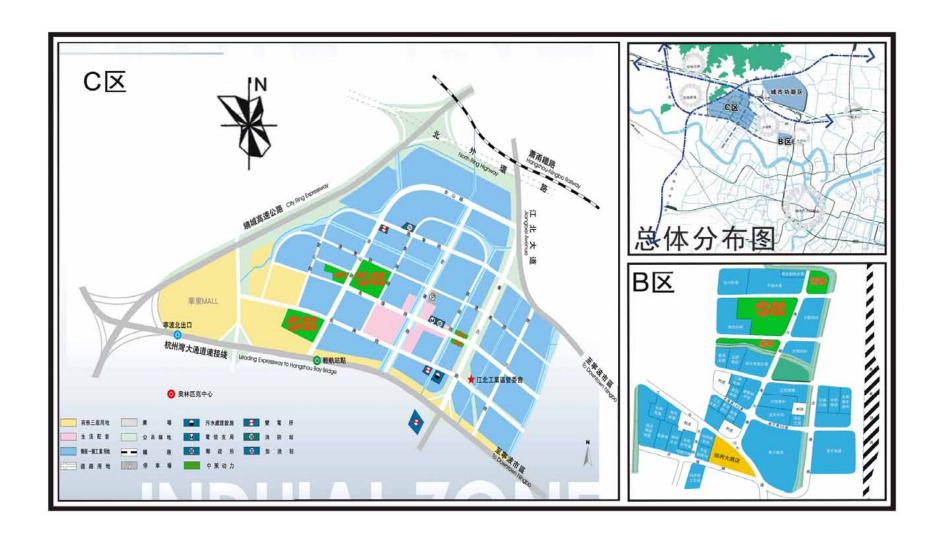
ISO 9001 certificated

China largest self intellectual property engine manufacturer

Engine power range from 200HP to 6000HPs



C.S.I. Industry Park Distribution





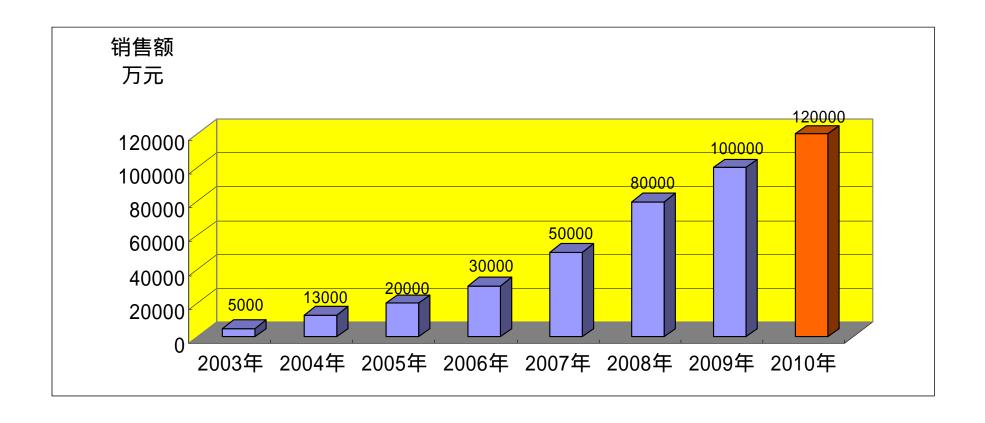




Open in 2009



133,370 m² Land Building 3,000,000kW per year capacity



Engine Sales Volume



Tools machine and Facilities



700 dedicated employees 150 technicians and professional administrants









600PCs Large Engine Delivery to World per Year

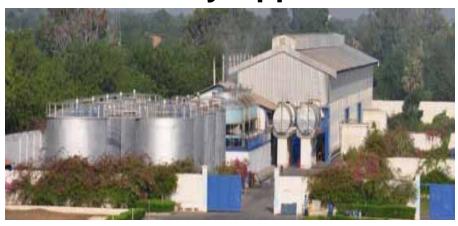
Engine Application

Marine Application



1500 ~ 23,500DWT Vessel 200 ~2000kW Aux. Gen-set CCS or BV Certificate IMO NOx Tier II

Stationary Application



200kW ~ 60MW Power Plant Short Construction Period Continuous HFO Running Island or Base Load Mode

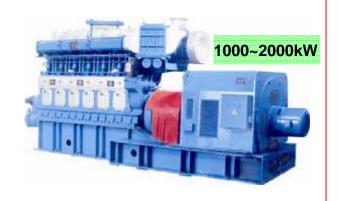
200~350kW





- ◆ Marine medium speed engine driven, Long Life, Long TBO;
- Brushless self excited alternator with AVR;
- ◆ Continuous operation, Easy installation ;





- ◆ Marine Low speed engine driven, Long Life, Long TBO, Low operating cost;
- ◆ HFO Capability and Fuel flexible;





◆ Brushless self excited alternator with AVR; 11kV directly connect to grid.

Extensive Power Plant Experience in Africa

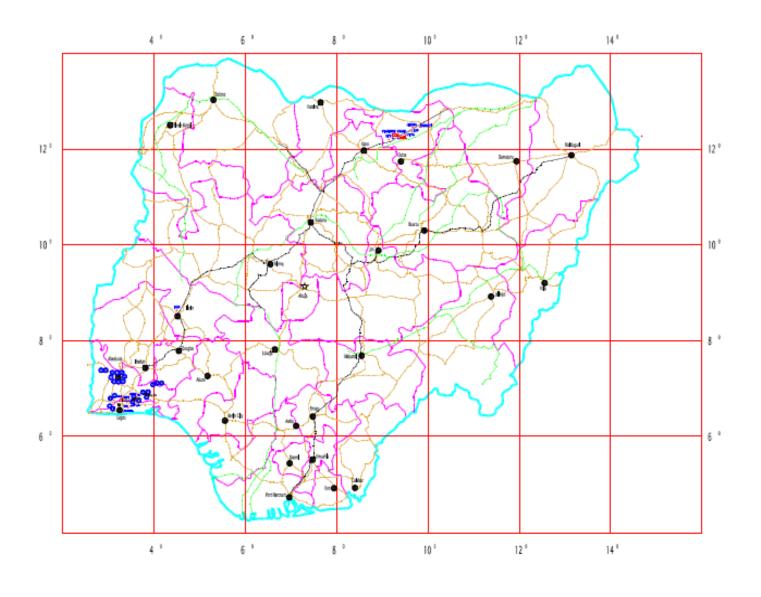
Ningbo C.S.I. undertakes to supply a reliable, innovative and quality electrical energy source.

Our aim is to enable our clients to have a range of solutions with specially designed technical specifications at their disposal, and share our HFO know how technical.

We offer a wide range of generators for stationary power generation, where their competitive first-cost, high energy efficiencies and low life-cycle costs underwrite success.

By the end of 2010, we have delivered over 220 power plants in World. The longest HFO power plant in Nigeria has continuous well running for 11 years for industry power supply.

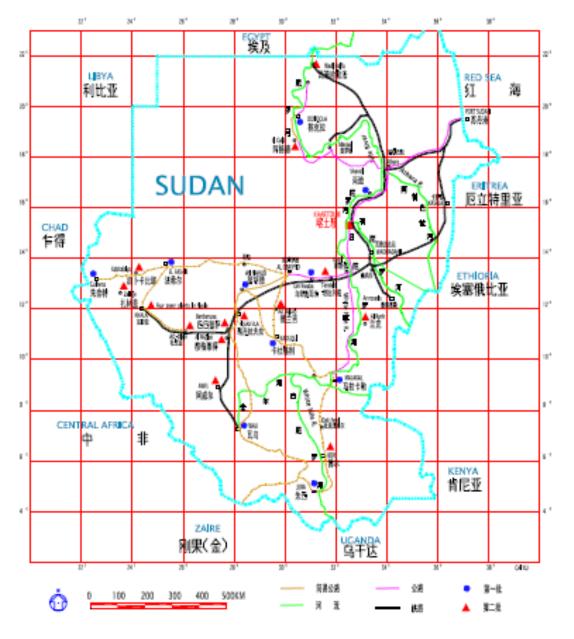
ITEM	PROJECT	CAPACITY	FUEL	DELIVERY
1	SPP	2MW/0.415kV	HFO	2001
2	VIVA	12MW/0.63kV	HFO	2001
3	SANKYO	12MW/0.63kV	HFO	2001
4	MAYOR	9MW/0.63kV	HFO	2001
5	JOGANA	17MW/11kV	HFO	2003
6	WEMPCO	6MW/11kV	HFO	2004
7	OMOWOOD	6MW/11kV	HFO	2004
8	GRAND	5MW/11kV	HFO	2005
9	WAB	1.5MW/0.415kV	HFO	2004
10	DAUSAYI	8MW/11kV	HFO	2005
11	GREAT WALL	19MW/11kV	HFO	2005
12	NTM	2MW/0.415V	HFO	2004
13	TPA	6MW/6.3kV	HFO	2008
14	KAM	2MW/0.4kV	HFO	2008
15	LOYAL	4MW/400V	HFO	2008
16	IKEJA	8MW/11kV	HFO	2010
17	NSEL	8MW/11kV	HFO	2011
18	OGUN MPP	42MW/11kV	HFO	2008



50 HFO power plants built

Main power for industry factory and governor projects Area Power grid.

Power Plant in Nigeria



National Grid can not reach Area

in 2002 and 2006 20 HFO Power Plant built

4 Water source pump station power plant supplied

Power Plant in Sudan

The Engineering Team

The C.S.I. team recommends the generating set and carries out the electrical and mechanical **studies** necessary to adapt it to suit your **need**.

It also provides the **complete design** of your project and its **implementation**.

We see to it that your installation **works properly**, from the design of the generating set to its **installation**, **running and maintenance**.



Oversea Teams



Construction and Project Supervisor

Training

C.S.I. ensure that the team continually **update** their **knowledge** of products.

The training program covers operation and maintenance of generating sets, mechanical and electrical engineering.







Service

C.S.I. ensure that special engineer at site service for project.

Our objective is to propose to the end user the best service. The **SERVICE** must mean: to create **value added** for the customers.







Installation as Turn key

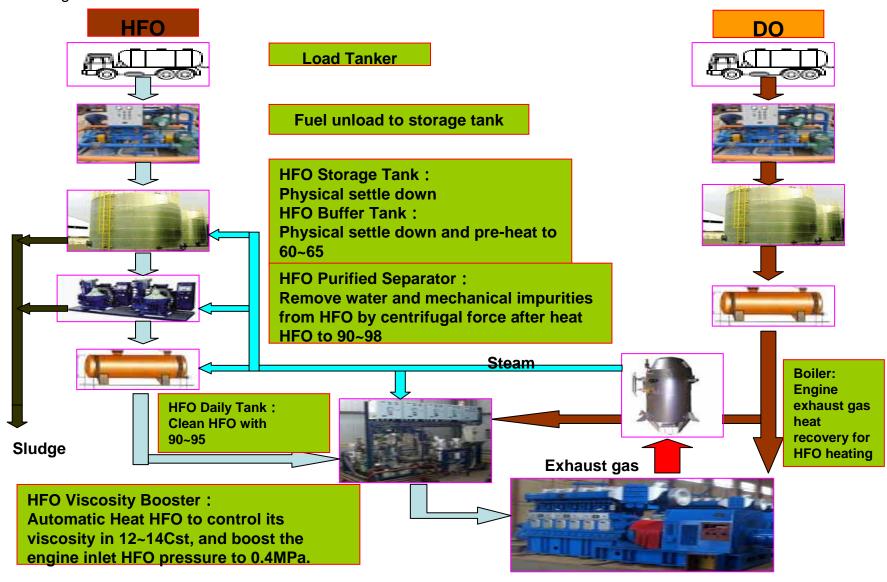




Maintenance

HFO Power Plant Auxiliary Systems

For the shortage of energy and Crude oil price rising on world market. Diesel enigne operation cost get higher. Ningbo CSI's Marine engine with benefit of Low speed, Long life, Low fuel cost supply continuous power with HFO burning.







3.3kV supply to steel milling factory





11kV supply for industry power



Benefit for HFO Power Plant

Given engineering design and suggestion for power plant. .

Supply complete HFO power plant solutions with all special requirement with customer and site conditions.

Share our oversea HFO power plant operation experience.

High quality after sale service, to ensure developing economic and improving people's livelihoods without power supply interrupt.

Short term in return on investment by HFO operation.

