

**CNBM**

# **BULK MATERIAL HANDLING**



- **Powders**
- **Large Particles**
- **Slurries**
- **Liquids**



**中 建 材 国 际 装 备 有 限 公 司**  
**CNBM CNBM International Engineering Co, Ltd.**

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## **CNBM Bulk Handling**

Based on the platform of CNBM group, CNBM Bulk Handling has been concentrating on technology and machinery to handle bulk materials. Integrated solution has been profoundly developed to well serve customers from various industries including construction material, chemical, mining, agriculture manufacture, fuel, port, power generation, environment disposal and metallurgy. Handled material includes powder, large particle, slurry and liquid. The process involves material manufacture, transportation, storage and package. Both pneumatic and mechanical principles are adopted to make tailor-designed solutions.

In cooperation with our national waterborne transportation institute, CNBM has enlarged our business scope by supplying port planning and construction service including different container and bulk handling berths.

## **Service & Products**

Unloading & Loading System

Conveying System

Storage System

Bulk Carrier

Port & Terminal



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## Unloading & Loading System

Continuous loading equipment



*5000t/h Ship Loader for coal*



*4500t/h Ship Loader for Iron ore*



*6000t/h Ship Loader*

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地址: 海淀区体育馆南路9号主语国际4号楼19层  
19th Floor, Building 4, Interwest Business Centre, No.9, Shou Ti South Road  
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Unloading equipment



*Grab unloader*



*1600t/h bucket wheel ship unloader for iron ore*



*350t/h Screw Ship Unloader*



*300t/h Pneumatic Ship Unloader*

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Conveying System



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## Storage System



*Dome*



*Stacker in shed*



*Bucket Reclaimer*



*Storage Silo*



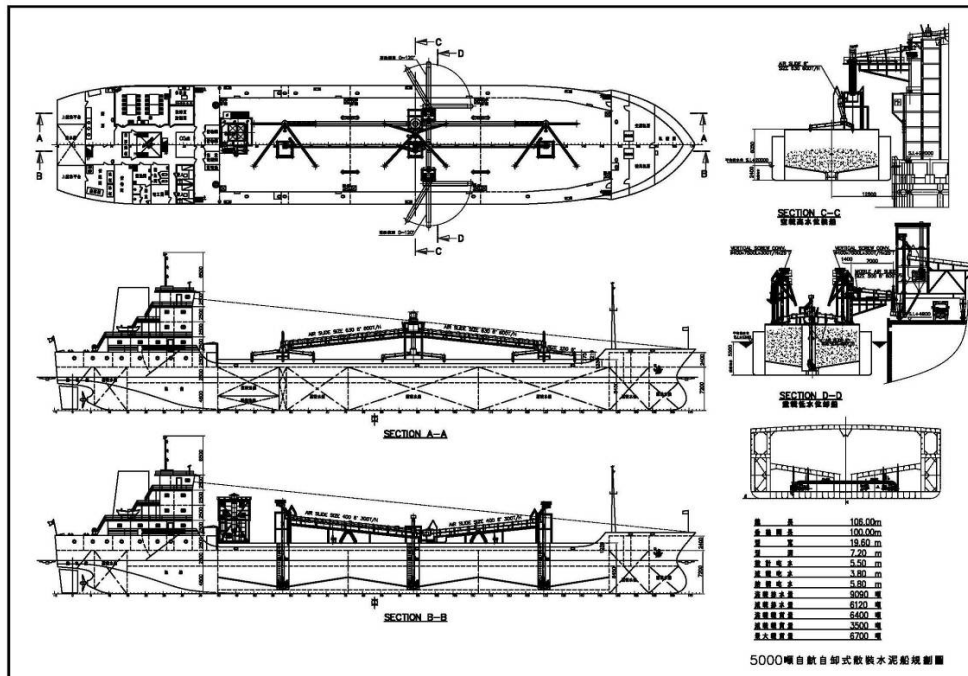
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Bulk Carrier



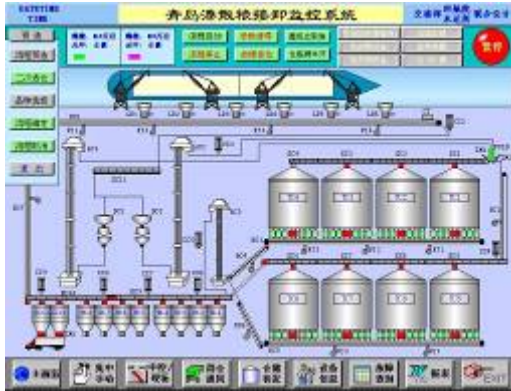
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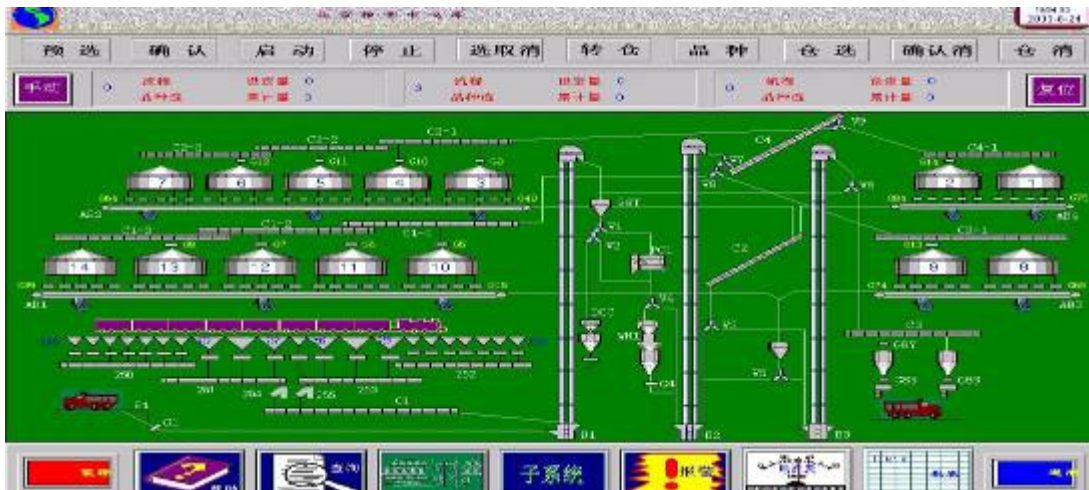
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HMI System



*Bulk terminal control and management system*



*Stockyard, station yard and warehouse terminal logistic*

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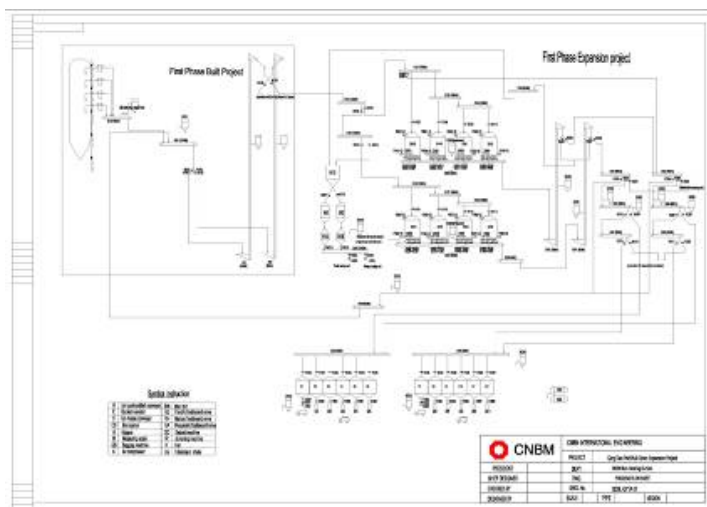
## Port & Terminal

### Qing Dao Port Bulk Grain Storage Project

*First Phase Expansion Project*



Qing Dao Port Bulk Grain Storage Project is composed by silo system, bagging system, en-masse conveyor, bucket elevator system, dedusting system, belt conveyor system, bin cleaner system, metal structure system, automatic control system, power supply system, communication system, fire suppression system and gas-supply system etc.



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Qing Dao Port Bulk Grain Storage Project is able to finish the following process:

- Bulk Grain Unloading
- Binning
- Turnover
- Bin discharger
- Bagging machine
- Bulk grain truck unloading
- Bulk grain wagon unloading

The system also reserves loading exit, develop connection, fragmentary grain feeding enter etc for future use.

The whole storage project is featured by optimized process flow sheet layout, stable equipment operation, advanced technical performance, high working efficiency and fully automatic central control.

## **Cement Terminal in Middle East**

### *EPC Project*



System process:

- 1) Bulk cement ship (up to 50000 DWT) is unloaded by Screw Ship Unloaders to Belt Conveyors on the berth. Through Belt Conveyors, bulk cement is conveyed to Bucket Elevators and continuous air slides, which will finally feed the bulk cement into 12 storage silos.
- 2) There are totally 4 bulk cement Loading Systems for all 12 silos on the base of 300 T/H for each one. Each system will serve 3 silos for the truck filling. Corresponding weighing bridge will be set right under the telescopic cover for loading weight measurement.

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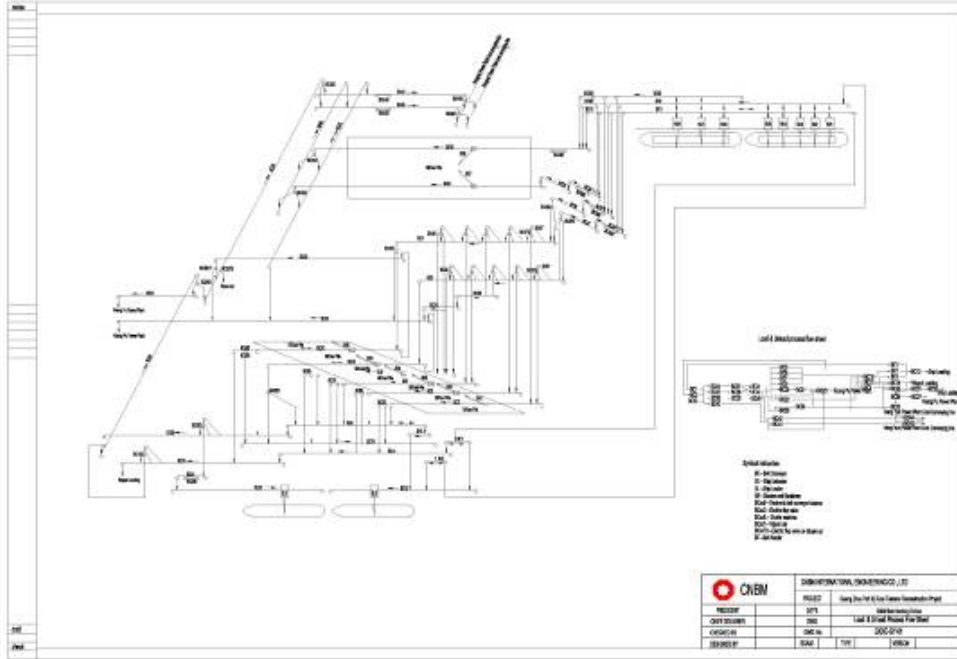


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Typical Coal Terminal

*Guang Zhou Port Xiji Coal Terminal Reconstruction Project*



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**Selected Bulk Handling Projects**

Date: Dec 2008

SN.	Owner	Country	Status
Abroad			
1	Seacom Group	Bangladesh	Accomplished
2	Seven-Circle Cement Co., Ltd.	Bangladesh	Accomplished
3	Tangqing Export & Import Co., Ltd.	Kazakhstan	Accomplished
4	Malaysia Kuching C.P.	Kuching Sarawak	Accomplished
5	Unique Cement Industries Ltd.	Bangladesh	Accomplished
6	Siam City Cement Company	Thailand	Under Construction
7	Holcim (Bangladesh) Ltd	Bangladesh	Under Construction
9	Qatar Primary Materials Company	Qatar	LOI
10	Sanghi Cement Group	India	Pre-LOI
11	North Region Cement Company	KSA	Accomplished
12	Al Mafrq Cement Plant	Jordan	Accomplished
13	Emirates Cement Bangladesh Ltd.	Bangladesh	Accomplished
14	Pakistan Lucky Co. Ltd (line 1)	Pakistan	Accomplished
15	Pakistan Lucky Co. Ltd (line 2)	Pakistan	Under Construction
16	Pakistan Attock Co. Ltd (line 1)	Pakistan	Accomplished
17	Pakistan Attock Co. Ltd (line 2)	Pakistan	Under Construction
18	Vietnam Hoang Cement JSC	Najran, Kingdom of Saudi Arabia	Accomplished



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19	Najran Cement Company (Phase I)	Najran, Kingdom of Saudi Arabia	Accomplished
20	Najran Cement Company (Phase II)	North region of Saudi Arabia	Accomplished
21	North Region Cement Company	Sudan	Under Construction
22	Berber Cement Project	Sudan	Under Construction
23	Atbara Cement Project	Azerbaijan	Under Construction
24	Derba Midroc Cement Project	Ethiopia	Under Construction
25	Ali Abdullah Alesayi	Yemen	Under Construction
26	Fezan Wadi Alshati Mahrug	Libya	Under Construction
27	Northern Jordan Cement Plant (Grinding Station)	Jordan	Under Construction
28	Al-Douh Cement Plant	Iraq	Under Construction
Domestic			
29	Ningbo Yadong Cement Co., Ltd.	Zhejiang	Accomplished
30	Mingzhu Conch Cement Co., Ltd.	Shanghai	Accomplished
31	Ingery Fine Chemical Co., Ltd.	Jiangsu	Accomplished
32	Nanchang Yali Cement Co., Ltd.	Jiangxi	Accomplished
33	Guomao Bulk Cement Co., Ltd.	Fujian	Accomplished
34	Baling Conch Conch Cement Co., Ltd.	Jiangsu	Accomplished
35	Fujian Datang International Power Plant	Fujian	Accomplished
36	Chifeng Mining Group Jiulong Ore Waste Rock Power Plant	Chifeng	Accomplished
37	Heilongjiang Huarun Power Plant	Heilongjiang	Accomplished
38	Dagang Company QingDao Port	Qingdao	Accomplished
39	Xiji Company Guangzhou Port	Guangzhou	Accomplished