

OUTLINE OF COMPANY

NPRT (North Pacific Refrigeration Technology) is one of the leading company for marine and shore refrigeration plant and has contributed reliable industrial refrigeration plant for both new installation and upgrading, through constant own developments and innovations to meet customer requirements.

We are proud of sound performance in customer factory, fishing trawlers and other industry area which have been erected by us.

We are able to support customers to meet better efficiency, cost savings and trouble free refrigeration plant with knowledge and experience in us.

◆The profile

We take the pleasure in introducing ourselves, NPRT Co., Ltd. (North Pacific Refrigeration Technology), who has technical capability for refrigeration plant engineering/installation, refrigeration equipments manufacturing and technical service jobs for marine and shore fishery.

We are based in Busan, Korea with manufacturing factory and engineering staffs as head office and factory, and also have subsidiary company in Dalian, China with service technicians and workshop.

We have two independent companies in group, NPRT engineering for general technical services, retrofit, field erections and after sales service, further own own production facilities and NPRT precision newly established in 2017 to contribute high quality products for refrigeration industry through development of high efficient products for new overseas turn key project and natural refrigerant for environment protection

So far we have build many upgrading freezer and process chilling refrigeration plant for large fishing trawlers, factory ships and shore fish products factory in Korea, China and Russia through our own engineering, production, field erection and final commissioning on site in compliance with customer requirements.

We can supply most well known and reliable refrigeration compressors and other equipments from abroad together with our own products such as shell and tube heat exchangers, chillers, pressure vessels, piping preassembly with insulation and etc. for total solution of refrigeration project completion on customer place.

If any enquiries for refrigeration plant new installation, upgrading, modernization and better efficiency, we would like to welcome you to contact us anytime.

◆History

- 2006. Established in Busan, Korea
Company quality management, ISO 9001 certified by DNV (Det Norske Veritas)
- 2007. Factory certified by RMRS (Russian Register)
NPRT China established in Dalian, China
- 2010. Welding procedure certified by KR (Korea Register)
- 2011. Acquired Russian GOST certificate for products
1st New factory built, 1500m²
- 2012. Inno-biz venture business certifie
- 2013. R&D launched
- 2016. 2nd New factory built, 2000m²

Korea (Engineering)

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Korea (Precision)

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◆ Quality control

Our goal is to meet customer satisfaction with our continuous development and advanced technology for industrial refrigeration plant on both marine and shore.

So our company acquired quality management system complying with standard requirements of ISO 9001 (2000) quality management system and will make an effort on continuous improvement of quality management system and company product certification to company with various market requirements from different area and customer.

- Det Norske Veritas Management system certificate
- Russia maritime register of shipping
- GOST-R Certificate of Conformity certifies

◆ Certification

- Det Norske Veritas (DNV) Management system certificate
- Russian Maritime Register of Shipping factory certificate
- Approval certificate for Welding procedure specification
- GOST-R Certificate for products
- Korean Register welder performance
- Qualification certificate
- Promising company accreditation by Industrial Bank of Korea

◆ Organization (See attached)

No of employee : 38

Including 4 Russian sales and technical staffs and 2 Chinese field service engineers

◆ Marine fishery

To meet customer requirements for economic operation and better quality of fish products, NPRT provide most effective refrigeration components and best engineering to arrange equipments and piping system to make whole plant in trouble free operating on floating condition at sea.

We can provide reliable industrial refrigeration components from world leading manufacturers.

Through our experiences on large scale modernization of Russian fishing trawlers such as Meridian 1288, Atlantic 488, Spanish built 105 meter supertrawlers and etc., we can provide optimistic arrangement of upgrading plan and speedy installations on spot thanks to preassembly products in our workshop based on well prepared and proven precise arrangement and piping layout drawings.

We have also experiences on modernization of refrigeration plant on crab boats, shrimp trawlers and Japanese built fishing boats.

◆Industrial

NPRT is able to provide complete solution for shore refrigeration plant to customers through our long term experience and engineering know-how.

We have experiences on cold stores at overseas covering not only refrigeration plant with equipments but also complete building with insulation panels, further shore factory for food process, fish processing, fish preservation and ice plant are our main business area as shown in our reference list here in our website «Support» column.

We are always ready to find out solution on specific requirements from customer for best plant performance, energy savings and low maintenance cost.

◆Plant control

NPRT can provide complete solution for automation and efficient control system for refrigeration plant and specified plant related to customer refrigeration plant.

We have experience on full automatic control for cold store plant, refrigerated seawater system, ice / chilled water plant and etc.

◆Refrigeration compressors and components

NPRT can support customer to meet requirements or specific refrigeration plant as aspects of low operating, maintenance and trouble-free on whole plant is in great importance.

We are able to supply very reliable industrial refrigeration equipments to customer, further compressor block change to another brand obliged to customer due to old compressor production suspended, we can provide solution to customer based on hybrid concepts with better performance and energy savings.

For customers, who want to have self contained equipment to make it possible to run on spot in short time from delivery we can provide containerized machinery unit, freezing chamber, blast freezer, ice generator and etc. which can be equipped with condenser, pressure vessel, electric system and internal piping and wiring, finally shot test run made prior to delivery.

◆Heat exchangers and pressure vessels

NPRT produces pressure vessels and heat exchangers for marine and shore refrigeration under specific requirement on plant arrangement and strict quality control and inspection are taken according to regulations

Our products covers most of refrigeration purpose vessels as follows,

- Condenser (water cooled)
- Pump separator and receiver tank
- Brine /Water chiller
- Economizer and intermediate cooler
- Liquid separator
- Oil separator
- Brine vessel
- And other type of chiller and pressure vessel on demand

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◆ Freezers

NPRT can supply variable freezers from DSI who is manufacturer of plate freezer with both horizontal and vertical type depends on subject to freeze in relatively fast and efficient freezing in food factory, and also produce own developed horizontal plate freezers with innovative and high efficient aluminum profile.

Another special purpose freezers, such as brine freezers, air blast freezer chamber and other customer required plate freezers are to be produced by us to meet customer requirements.

◆ Others

NPRT produces others, such as

- Preinsulated refrigerant pipes by polyurethane form insulation under polyethylene pipe enclosure
- Electric panel for motor starter, plant control and other purpose
- Manometers with refrigerant temperature scale
- Preassembly pump separator unit
- Various container and preassembly solution

◆ After service & Spare parts

NPRT maintain qualified service technician for plant commissioning, supervision and trouble shooting on industrial refrigeration plant.

We are able to carry out inspection on various refrigeration plant to find out better energy efficiency and system improvement through professional analysis on customer plant.

All necessary instruments are kept in good condition to enable it to use for analysis at anytime.

We can provide spare parts to customer as most of spare parts for well known brand industrial refrigeration equipments have been kept in our store and always maintained for necessary amount for immediate delivery.

◆ Overhaul & Maintenance

NPRT provide high technical service job for all types of industrial refrigeration compressors, all our service staff have been in training courses at training center of world famous compressor manufacturer Grasso and Sabroe.

We have carried out major overhaul job on annually more than 100 screw or reciprocating compressors.

We can also provide service maintenance job for trouble shooting, periodic measurement for preventive maintenance by precise measurement, oil analysis, even training to customer operator and technical consulting on aspects of energy saving.

◆Head Office

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◆China branch office

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