



REFERENCE LIST



Off-shore Oil and Gas market

- Distribution Boards for cogeneration systems with compressors for methane managed by PLC

- Complete skids for explosion proof or intrinsically safe plants

For ERES N.V. we have realized:

- Main Switchboard, Emergency Switchboard, Power Distribution Switchgears, Pumps Starter Panels and Electrical cables for Nigerian Refineries and Bitumen Storing terminals:

- > A Supply of "Turn Key" Power Distribution Plant
- > Wide range of customized panels
- > Renew the technologies implemented
- > Increase the safety
- > Make the industrial terminal site class approved

- Power Management System for MT Biskra:

A complete renewal of the Generator power plant on board consisting on the designing and installation of an Automatic Parallel and Load Sharing system in order to optimize the performances and reduce the fuel consumption and the maintenances costs

- Intrinsic safe monitoring system for levels, temperatures, pressures on board of Motor Tanker Maroni, Janni, Bitu Express, Wilbur, Biskra.

For SAIPEM S.p.A. we have realized:

- Main Switchboard & Emergency Switchboard for MV Saibos 230
- Power Management System for MV Crawler

For ENI/Carboflotta Group we have realized:

- Control and Monitoring Systems for gas: ammonia, methane, petrochemical products, with radar level, pressure and temperature controls (intrinsically safety)

For Industrial Electrical Systems

Similar plants carried out for the following Customers:

- BIOGAS – Napoli
- FEDERICO II University – Napoli
- SYRON – Firenze

In Marine field, we have acquired a vast know-how both for new projects (supply, installation and commissioning) and service/maintenance of existing plants.

Design/Planning, execution and tests of these activities, give us the know-how of different systems typologies.

In detail, our Company manufactures and installs Power, Distribution and Conditioning Plants for Tankers, Passenger Ships & Luxury Yachts, M/Tankers and Floating Cranes and Transhipper Vessels, worldwide.





REFERENCE LIST

We count these Shipyards among our Customers:

- Fincantieri S.p.A. - (Genova, Trieste, Ancona, Italy)
- Cantieri Palumbo S.p.A. - (Napoli, Messina, Malta)
- Nuovi Cantieri Apuania S.p.A. - (Marina di Carrara - MS, Italy)
- Cantieri T. Mariotti S.p.A. - (Genova, Italy)
- Rouvia Road Yacht Design Philippines - (Bataan, Philippines)
- Keppel Philippines - (Subic/Batangas, Philippines)
- Chengxi - (Jiangyin , Popular Republic of China)

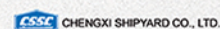
and as main Shipowners :

- Costa Cruising S.p.A.
- Carnival Cruise Ships - USA
- Carboflotta Group S.p.A.
- B NAVI S.p.A.
- Norbulk Enterprise S.M. S.p.A.
- Corsica Ferries S.p.A.- France
- Saipem S.p.A.
- Maritec N.V. – Belgium
- Kingdom Holding Co – Saudi Arabia
- Rocktree Logistics pte Ltd – Singapore
- Coeclerici Logistics S.p.A. – Italy
- MBSS Mitra Bathera Segara Sejati – Indonesia
- KSA Kartika Samudra Adijaya – Indonesia
- MKS Shipping – Indonesia

Coal transshipment/logistic market

With specific reference to the FLOATING CRANE/TRANSHIPERS market, on behalf of COECLERICI LOGISTICS we have manufactured and installed Main Switchboards, Emergency Switchboards, 220 V distribution Switchboards for the following units:

- F/C Ispat Project (self-propelled/multi purpose cranes + conveyors transhipper/4 DDGG 4.8MW for Indian market)
- F/C Bulk Irony (self-propelled Coal transhipper/3 DDGG 4.2MW for Italian steel mill)
- F/C Bulk Prosperity (self-propelled/multi purpose cranes + conveyors transhipper/3 DDGG 3.6MW for Indian market), lately upgraded for Indonesian coal loading





REFERENCE LIST



Upgrading of Electrical Plant (Main Switchboards, Emergency Switchboard)
and Generators on the following units:

- F/C Bulk Pioneer (Floating Transshipment Unit /3 DDGG 3MW operating in Indonesia)
- F/C Bulk Java (Floating Transshipment Unit /3 DDGG 3MW operating in Indonesia)
- F/C Bulk Borneo (Floating Transshipment Unit /3 DDGG 3MW operating in Indonesia)
- F/C Bulk Sumatra (Floating Transshipment Unit /3 DDGG 3MW operating in Indonesia)

ROCKTREE LOGISTICS Pte Ltd:

- "FTU Zeus" (self-propelled/multi purpose cranes + conveyors transhipper/4 DDGG 3.9MW operating in Indonesia)
- "M/V Mara" (Panamax Conversion into Coal Transhipper/6 DDGG 7.8MW operating in Indonesia)



PT MITRA BAHATERA SEGARASEJATI (MBSS):

We have manufactured, delivered and commissioned the complete electrical system, Main and Emergency control and safety systems 440V and 220V as above, Starting Panels, Transformers and Marine Cables for the following units:

- F/C Nicholas (Twin crane/5 DDGG 5.2MW presently operating in Indonesia)
- PT MSC - F/C Princesse Abby (Floating crane/4 DDGG 3.7MW, operating in Indonesia)
- PT MBSS - F/C Ben Glory (Twin cranes/4DDGG 3MW, operating in Indonesia)
- PT MBSS – F/C Princesse Rachel (Floating crane/4 DDGG 3.1MW, operating Indonesia)
- PT MSC – F/C Princesse Chloe (Floating Transshipment Unit/4 DDGG 4.5MW, operating in Indonesia)
- PT MASS – F/C BLITZ (Floating crane/4 DDGG 3.6MW, operating in Indonesia)
- PT MBSS – F/C VITTORIA(Floating Transshipment Unit /4 DDGG 4.2MW operating in Indonesia)



KSA KARTIKA SAMUDRA ADIJAYA:

We have manufactured delivered and commissioned Main and Emergency Switchboards 440V and 220V as above, Starting Panels, Transformers and supplied Marine Cable for:

- F/C Ratu Giok (Floating crane/4 DDGG 2.6MW, operating in Indonesia)
- F/C Ratu Giok 2 (Floating crane/4 DDGG 2.8MW, operating in Indonesia)
- F/C Ratu Giok 3 (Floating crane/4 DDGG 2.8MW, operating in Indonesia)
- F/C Ratu Giok 5 (Floating crane/3 DDGG 2.6MW, operating in Indonesia)



MKS SHIPPING:

MKS SHIPPING, we have manufactured Main and Emergency Switchboards 440V and 220V as above, Starting Panels, Transformers and supplied Marine Cable for:

- "Asia Glory" (Floating crane/4 DDGG 2.8MW, operating in Indonesia)
- "Asia Bella" (Self propelled floating crane/4 DDGG 2.8MW, operating in Indonesia)

All of the above mentioned projects have been made under RINA or other IACS Classification Societies. All of our projects are dual classed with BKI. Switchboards are always supplied fully Class tested.





REFERENCE LIST



We have acquired a deep know-how on **Energy Saving Automation System** such as Power Management System and/or Fuel Consumption Monitoring System, which are more and more actual and important nowadays.

Artel is also a main **ABB Official Dealer**. We always suite owner's and yard requirements, taking into consideration we maintain stock for main components.

All materials used are approved, tested and certified by well known Naval Classification Societies.

Moreover they are delivered with Class stamps and certificates, before their transport.

Yacht market

For Benetti Shipyard Viareggio (Italy) we have designed and manufactured Main Switchboards Control Centers for BC, series from No. 101 to No. 110 Motor Yacht.

For Viareggio SuperYacht Shipyard (Italy) we have manufactured the Main Switchboard 380V+N for the new 72mt Megayacht "Stella Maris" in Italy.

For Fincantieri Yacht Division Shipyard (Italy) we have manufactured the complete electrical plant for the HVAC system of the new 140mt megayacht "Victory".

For Kingdom Holding Company (Saudi Arabia) we have supplied and manufactured for the Super Yacht "Kingdom 5KR" the complete refitting of the Main Switchboard 440/220V, Emergency Switchboard and Substation Panels including the supply of the newest generation of automatic switchbreakers, modular switchbreakers, copper busbars adaptation design, transformers renewal and electrical marine cable supply.

For Rouvia Road Yacht Design (Philippines) we have supplied the Main Switchboard 380V+N, Emergency Switchboard, starter panels, transformers and electrical marine cable for the following project:

- Conversion of the 70mt Ice Classed Hydrographical Survey Vessel into a private Super Yacht "Olivia".
- 46mt Super Yacht "Miss Iloilo".

Industrial market

For McDonald's Italy we have the agreement for the supply of Main Switchboards 400V section, 220V section and Automation System for 30 new restaurants to be opened during 2014/2015 in Italy and it comprise the following projects:

1. Città di Castello (PG),
2. Genova Fiumara,
3. Modena est,
4. Fiumicino (RM),
5. Fano (PU).



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