



**DONGYANG**  
INDUSTRIES ELECTRIC CO., LTD.

**HEADQUARTER & 1st FACTORY**

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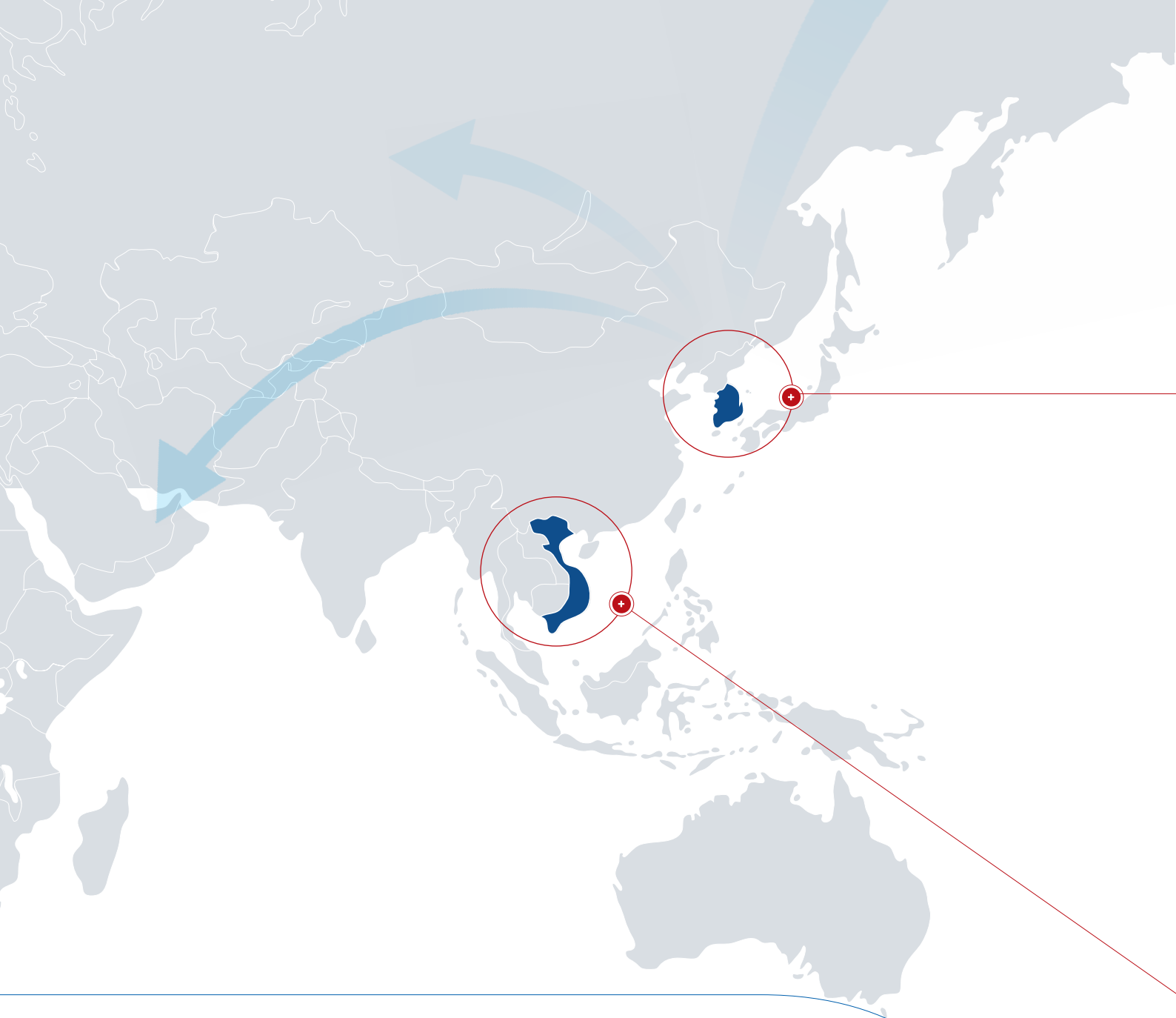
[www.e-dy.com](http://www.e-dy.com)



# ***Changing the world, Challenging the impossible***

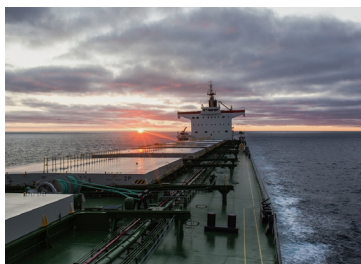
**Total Engineering Service**

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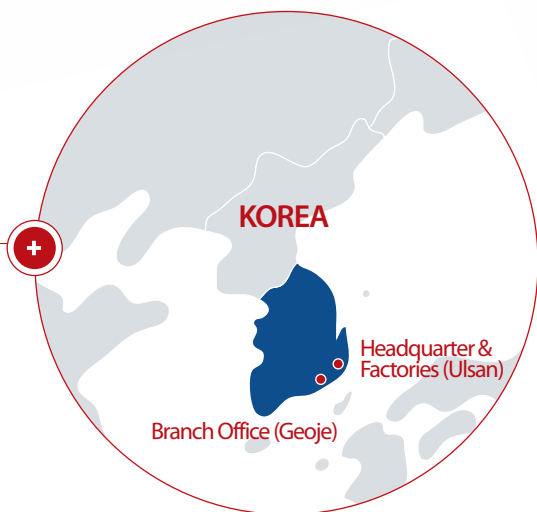


# STAYING ONE STEP AHEAD GLOBAL LEADER, DONGYANG

All DongYang employees are unified by their passion and commitment!  
We will continually strive to take our business to the next level.





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Headquarter &amp; 1st Factory (Ulsan)



2nd Factory (Ulsan)



Branch Office (Geoje)

**VIETNAM OFFICE & FACTORY**

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Vietnam Office &amp; Factory



Headquarters & 1st Factory



Vietnam Office & Factory



## CEO Greetings

DongYang has been manufacturing various kinds of Switchboards and distribution boards including MCC, MSBD, ESBD, GSP and consoles etc. for Marine and Onshore since 1988. And we're expanding our business to offshore area.

We also provide professional resources in design, construction, QA&QC and commissioning.

Our R&D department has constantly performed various tasks such as obtaining patents and quality certificates as well as localization of equipment.

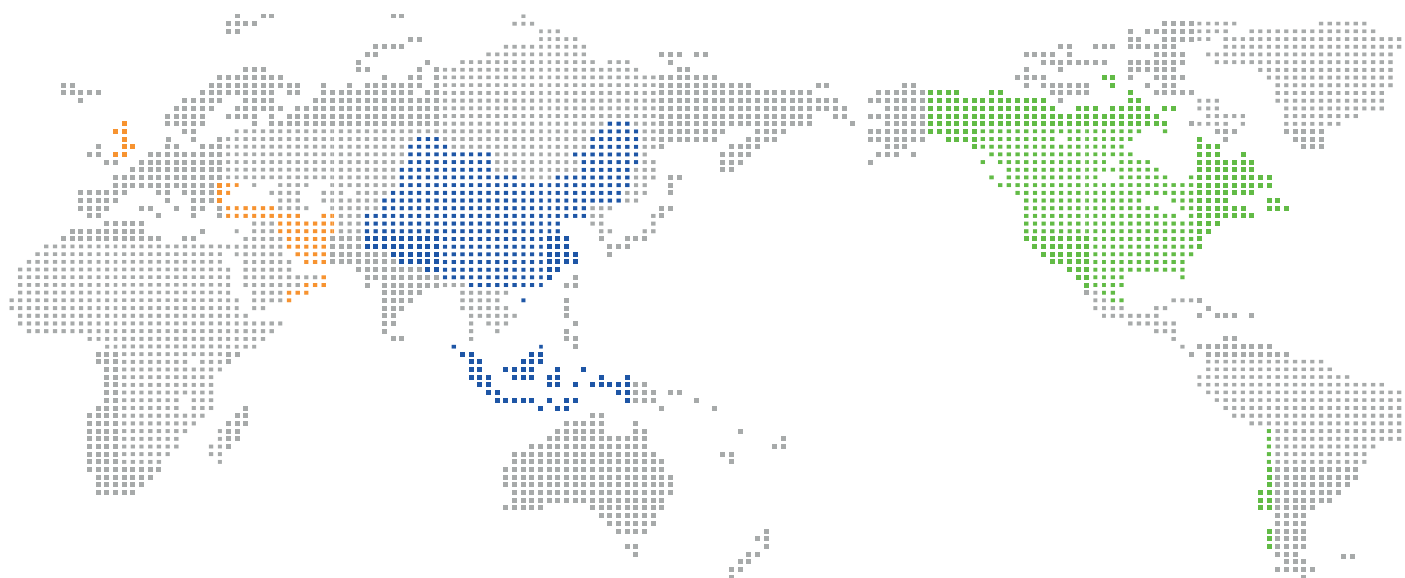
DongYang will rapidly respond to the changes and opportunities in the market to meet customer demands.

Sincerely yours,  
C.E.O / David Park



# MAKING THE UTMOST EFFORTS TO PREPARE FOR THE FUTURE

DongYang is growing together with our global partners to provide diverse and advanced services.



**ExxonMobil**

**HYUNDAI**  
HEAVY INDUSTRIES CO., LTD.

**HYUNDAI**  
SAMHO HEAVY INDUSTRIES CO., LTD.

**HYUNDAI**  
MIPO DOCKYARD

**HYUNDAI**  
ELECTRIC

**POSCO**  
PLANTEC

**DSME**

**SAMSUNG** SAMSUNG HEAVY INDUSTRIES

**ABB**

**EMERSON**

**ABTECH**

**Philly**  
Shipyards

**Schneider**  
Electric

**WÄRTSILÄ**

**THERMON**  
The Heat Tracing Specialists

**GE** GE Energy

**AEG**  
POWER SOLUTIONS

**MRC**

**WW**  
WILSON WALTON KOREA



# ONSHORE / MARINE

DongYang Industries Electric Co., Ltd. produces exceptional products based on its more than 30 years of expertise on incoming and distributing panels. Our long-established experience and solid relationships with customers come from our excellent products, ease of communication and broad services. DongYang will always be here for future generations of employees, customers and offshore technologies.





## Products



## Manufacturing Process



## Medium Voltage Switchgear(12kV)



Certificate

### Standard

1. Switchboard according to the IEC 62271-1, 200
2. Degree of Protection : IP33

### Electric Characteristics

1. Rated voltage/current : 12kV, 1250 A
2. Rated frequency : 50/60 Hz
3. Rated short-time withstand current : 25 kA / 2 sec
4. Rated peak withstand current : 65 kA
5. Rated lighting impulse withstand voltage : 75kV
6. Power frequency withstand voltage : 28kV
7. Internal arc certificate : AFLR, 25kA, 0.5sec

## Medium Voltage Switchgear(7.2kV)



Certificate

### Standard

1. Switchboard according to the IEC 62271-1, 200
2. Degree of Protection : IP2X

### Electric Characteristics

1. Rated voltage/current : 7.2kV, 2000 A
2. Rated frequency : 50/60 Hz
3. Rated short-time withstand current : 40 kA / 2 sec
4. Rated peak withstand current : 104 kA
5. Rated lighting impulse withstand voltage : 60kV
6. Power frequency withstand voltage : 20kV
7. Internal arc certificate : AFLR, 40kA, 0.5sec

## Low Voltage Switchgear



Certificate

### Standard

1. Switchboard according to the IEC 61439-1, 2
2. Degree of protection : IP22

### Electric Characteristics

1. Rated voltage/current : 440V, 2500A
2. Rated frequency : 50/60Hz
3. Rated insulation level
  - 1) Power frequency withstand voltage : 2.5kV
  - 2) Impulse withstand voltage : 8kV
4. Rated short time current : 40kA 1sec

## Motor Control Center



Certificate

### Standard

1. Switchboard according to the IEC 61439-1, 2
2. Degree of Protection : IP31

### Electric Characteristics

1. Rated voltage/current : 480V, 800 A
2. Rated frequency : 50/60 Hz
3. Rated insulation level
  - 1) Power frequency withstand voltage : 2.5kV
  - 2) Impulse withstand voltage : 8kV
4. Rated short time current : 40kA 1sec



## Medium Voltage Switchboard(7.2kV)



Certificate

### Standard

1. Switchboard according to the IEC 62271-1, 200
2. Degree of Protection : IP33

### Electric Characteristics

1. Rated voltage/current : 7.2kV, 1250 A
2. Rated frequency : 50/60 Hz
3. Rated short-time withstand current : 25 kA / 2 sec
4. Rated peak withstand current : 65 kA
5. Rated lighting impulse withstand voltage : 60kV
6. Power frequency withstand voltage : 20kV
7. Internal arc certificate : AFLR, 25kA, 1sec

## Low Voltage Main Switchboard



Certificate

### Standard

1. Switchboard according to the IEC 61439-1, 2
2. Degree of protection : IP33

### Electric Characteristics

1. Rated voltage/current : 440V, 2500A
2. Rated frequency : 60Hz
3. Rated insulation level
  - 1) Power frequency withstand voltage : 8kV
  - 2) Impulse withstand voltage : 12kV(MSBD incoming), 8kV(MSBD feeder)
4. Rated short time current : 50kA 1sec

## Group Starter Panel



Certificate

### Standard

1. Switchboard according to the IEC 61439-1, 2
2. Degree of protection : IP33

### Electric Characteristics

1. Rated voltage/current : 440V, 1300A
2. Rated frequency : 60Hz
3. Rated insulation level
  - 1) Power frequency withstand voltage : 2.5kV
  - 2) Impulse withstand voltage : 8kV
4. Rated short time current : 50kA 1sec

## Bow Thruster Starter



Certificate

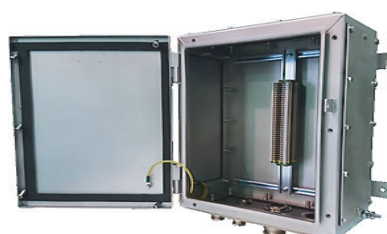
### Standard

1. Switchboard according to the IEC 62271-1,200
2. Degree of Protection : IP44

### Electric Characteristics

1. Rated voltage/current : 7.2kV, 300 A
2. Rated frequency : 50/60 Hz
3. Rated short-time withstand current : 6.3 kA / 1 sec
4. Rated peak withstand current : 16.38 kA
5. Rated lighting impulse withstand voltage : 60kV
6. Power frequency withstand voltage : 20kV
7. Internal arc certificate : AFLR, 6.3kA, 0.5sec

## DEX Series Terminal Box



### Characteristics

1. Ex e IIC T4/T5/T6  
Ex ia IIC T4/T5/T6  
Ex tb IIIC T85, T100, T135 °C
2. Ingress protection to meet the harsh environment with IP66 / 67
3. ATEX, IECEx, KC approvals
4. Flexible product range with many standard sizes.  
Tailor made sizes upon requests