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# DNV BUSINESS ASSURANCE

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# MANAGEMENT SYSTEM CERTIFICATE

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Certificate No. 56656-5-2009-AQ-KOR-RvA

*This is to certify that*

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

### **ELECTRO ELECTRIC SYSTEMS DIVISION**

1000, Bangeojinsunhwando-ro, Dong-gu, Ulsan, Korea  
Seonam Factory : 223, Sapyeong-ro, Nam-gu, Ulsan, Korea  
Gunsan Rotating Machinery Factory : 232, Dongjangan-ro, Gunsan-si, Jeollabuk-do, Korea

*has been found to conform to the Management System Standard:*

**ISO 9001:2008, KS Q ISO 9001:2009**

*This Certificate is valid for the following product or service ranges:*

**Specific scopes on Appendix 1 and 2**

*Initial Certification date:*

April 29th, 1992

*Place and date:*

Seoul, February 21st, 2013

*This Certificate is valid until:*

February 23rd, 2016

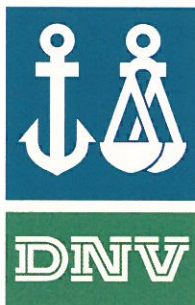
*for the Accredited Unit:*  
DNV CERTIFICATION B.V.,  
THE NETHERLANDS

*The audit has been performed under the  
supervision of*



**Goo-Yun Hwang**  
*Lead Auditor*

**In-Kyoon Ahn**  
*Management Representative*



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# DNV BUSINESS ASSURANCE

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## APPENDIX TO CERTIFICATE

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This Appendix 1 refers to Certificate No. 56656-5-2009-AQ-KOR-RvA

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

#### **Electro Electric Systems Division – 1/2**

The registration covers the design, manufacture, testing, installation and servicing of :

#### **Transformers**

Power and Distribution Transformers ; Cast Resin Transformers ; Dry Type Transformers ; Special Purpose Transformers ; Reactors

#### **Rotating Machinery**

High and Low Voltage Induction Motors ; Synchronous Motors and Generator ; Diesel Engine Generator Sets ; Low Voltage Energy Saving Induction Motors ; Low Voltage Single Phase Induction Motors ; and Elevator Motors ; Traction Motors and Generators for Electrical Car and Locomotive ; Explosion Proof Motors(Type of Frameproof Ex d, Pressurized Ex p, Increased Safety Ex e & Non-sparking EX nA)

#### **Switchgear**

Metal Clad and Metal Enclosed Switchboards ; Motor Control Centers ; Bus Ducts/Bus Ways ; Marine Switchboards and Starters ; Marine Control Consoles and Monitors ; Voyage Data Recorder(VDR), Protection Relay Boards and Distribution Boards ; Compact Gas Insulated Switchgear(CGIS)

*Initial Certification date:*

April 29th, 1992

*Place and date:*

Seoul, February 21st, 2013

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February 23rd, 2016

*The audit has been performed under the supervision of*

Goo-Yun Hwang  
*Lead Auditor*



*for the Accredited Unit:*  
DNV CERTIFICATION B.V.,  
THE NETHERLANDS

In-Kyoon Ahn  
*Management Representative*

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DET NORSKE VERITAS CERTIFICATION B.V. Zwolseweg 1, 2994 LB Barendrecht, The Netherlands, TEL: +31 10 2922 688 - [www.dnvba.com](http://www.dnvba.com)



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# DNV BUSINESS ASSURANCE

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## APPENDIX TO CERTIFICATE

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This Appendix 2 refers to Certificate No. 56656-5-2009-AQ-KOR-RvA

### HYUNDAI HEAVY INDUSTRIES CO., LTD.

#### Electro Electric Systems Division – 2/2

The registration covers the design, manufacture, testing, installation and servicing of :

#### Low Voltage Circuit Breakers

Molded Case Circuit Breakers ; Magnetic Contactors, Relays, and Switches ; Air Circuit Breakers ; Vacuum Circuit Breakers ; Vacuum Interrupters and Contactors ; Contactor Breaker ; and Thermal Overload Relay

#### High Voltage Circuit Breakers

SF6 Gas Insulated Switchgear, Type GIS and GCB, Components of the Switchgear include for GIS ; Circuit Breakers, Disconnecting Switches, Earthing Switches, Lighting Arrestors, and VT and CT and for GCB ; Circuit Breakers, and CT

#### Power Electronics

Inverters for Industrial Motor and Electrical Vehicle ; Electrical Equipment for Rolling Stock including Chopper Systems, VVVF Systems, Static Inverter and Train Monitoring Systems ; UPS ; Battery Charger ; Instrumentation and Control Systems(PLC, SCADA, DCS and HVAC) ; Monitoring Systems

*Initial Certification date:*

April 29th, 1992

*Place and date:*

Seoul, February 21st, 2013

*This Certificate is valid until:*

February 23rd, 2016

*The audit has been performed under the supervision of*

Goo-Yun Hwang  
*Lead Auditor*



*for the Accredited Unit:*  
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