



# DET NORSKE VERITAS

## MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 0001-5-1992-AQ-SEO-RvA

*This is to certify that  
the Quality Management System  
of*

**HYUNDAI HEAVY INDUSTRIES CO., LTD.  
ELECTRO ELECTRIC SYSTEMS DIVISION**

*at*

#1, Cheonha-Dong, Dong-Ku, Ulsan, Korea

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

**ISO 9001:2000, KS A 9001:2001**

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

**AT SCOPE AS PER SUPPLEMENT 'A'**

*Original Certification date:*  
April 29th, 1992

*Place and date:*  
Seoul, April 2nd, 2004

*This Certificate is valid until:*  
February 23rd, 2007

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

*Compliance to the Standard in respect to the indicated scope is  
verified by the DNV approved registered Team Leader:*

Goo-Yun Hwang  
*Lead Auditor*



*In-Kyoon Ahn*

In-Kyoon Ahn  
*Management Representative*

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

DET NORSKE VERITAS B.V. Haastrechtstraat 7, 3079 DC Rotterdam, The Netherlands, TEL.INT.:+31 10 479 86 00, FAX:+31 10 479 71 41



# DET NORSKE VERITAS

## MANAGEMENT SYSTEM CERTIFICATE

SUPPLEMENT 'A' TO : 0001-5-1992-AQ-SEO-RvA

### *Electro Electric Systems Division-1*

*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 Generators ; 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*

#### Switchgear

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

*Original Certification date:*

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*Place and date:*

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*The Certificate is valid:*

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## MANAGEMENT SYSTEM CERTIFICATE

**SUPPLEMENT 'A' TO : 0001-5-1992-AQ-SEO-RvA**

### ***Electro Electric Systems Division-2***

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

#### **Low Voltage Circuit Breakers**

*Moulded Case Circuit Breakers ; Magnetic Contactors, Starters, 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*

*Original Certification date:*

April 29th, 1992

*Place and date:*

Seoul, April 2nd, 2004

*The Certificate is valid:*

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