

Company Profile
of
CMR Korea Co., Ltd.

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1. Introduction

CMR Korea is a division of Corins Group and CMR S.A. has been focusing on automation system of marine over 40 years. It has branches in United Kingdom, Singapore, USA, and Korea. Our company was established as a joint venture and accepted technical cooperation with CMR S.A.

CMR Korea, established in 1986, has made various sensors, communication equipment for ships. We have constantly researched and developed new products, and believe our company is the leader in the field of marine communication system.

We are located in Pusan, Korea and all 28 members try to form the basis of leading company in marine automation and communication with the best quality and management. To accomplish our goal, we have made the following three plans; Excellent management in focusing on high value products, development of high technology products to be a leader in marine automation and communication, and planning and practicing long and short term project.

We cooperate with Nippon Hakuyo in Japan, Elcon in Denmark, etc. and 3 universities including Marine University in Pusan. As a result, we are recognized in the field and, thus, registered as associated company to heavy industries such as Samsung, Hyundai, Hanjin and Daewoo. Based on the recognition, we promoted the international marine market including the domestic market.

Since the establishment of the company, the sales have been increasing constantly. To respond the increasing demand, we propel a mass production preparation.

We promise to do our best for our customer's profit and satisfaction.

Thank you.

President

Kim, Eun Bong

2. Company Summary

As a result of continuous research and development since the establishment in 1986, CMR Korea is certified as a “medium & small sized enterprise” in manufacturing business of electric control equipment by Pusan city in 1993 and nominated as a “Bright & Advanced Technical Enterprise”.

To learn advanced technology and for systematic research and development, since 1995, CMR Korea has cooperated with Samsung Electronics to develop a Marine Auto Telephone system and Nippon Hakuyo to acquire Public Address system.

CMR Korea was nominated as “Vision 21 nominated leading Enterprise” in May 1998 and “Enterprise for Export Support” in February 1999 by Small & Medium industry Promotion Corporation.

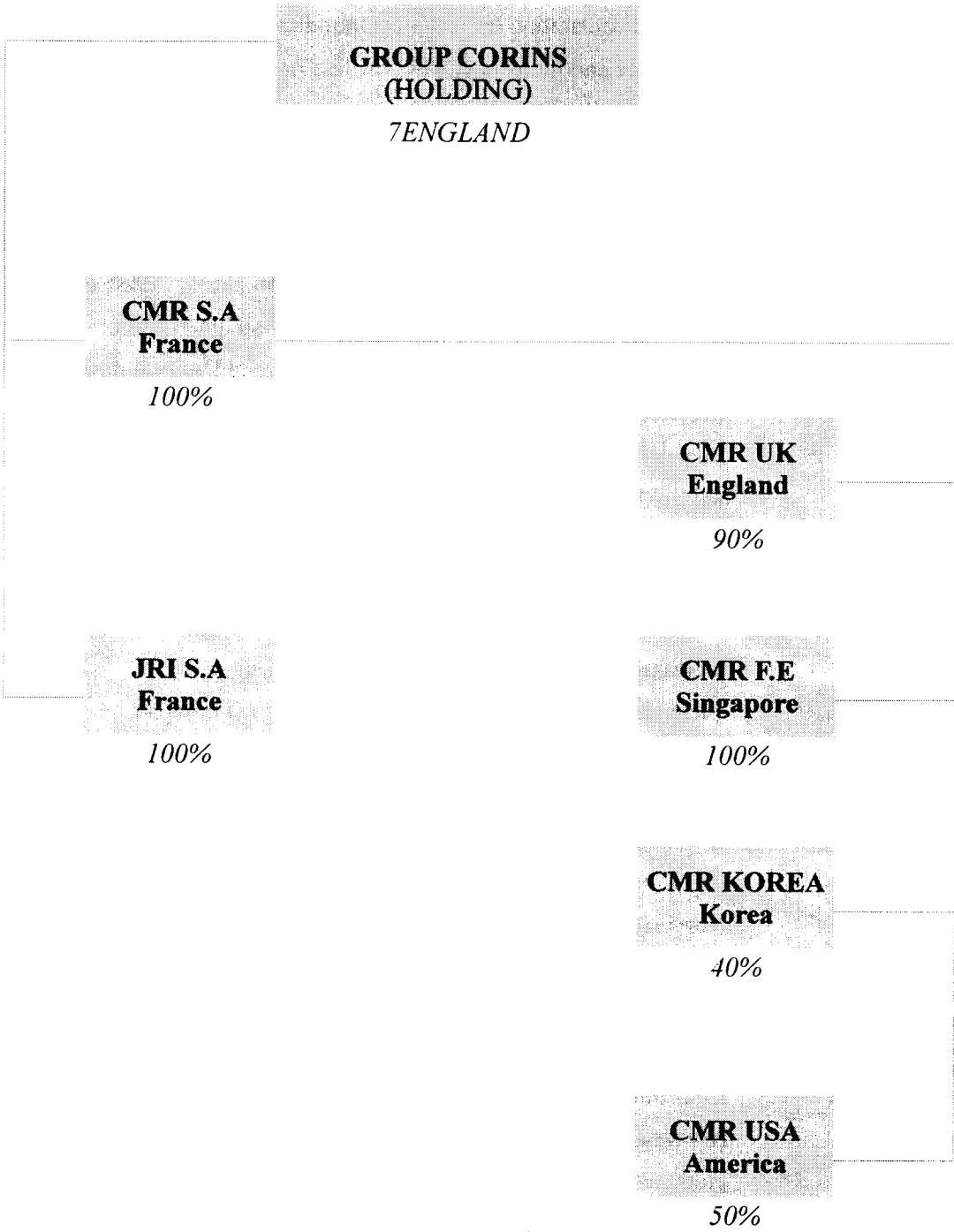
CMR Korea established research laboratory in October 1998, was confirmed as a venture business in February 1999 and acquired ISO 9001 Certificate from DNV. These made us one step closer to be an advanced enterprise.

Began with sensor products in 1991, CMR Korea produced auto. telephone system, sound powered telephone, common battery telephone, anemometer and rudder angle indicator, etc. in 1995. A digital auto telephone system of ISDN type and CCTV were successfully developed in 1999.

3. History

1986. 05. 16 Established CMR Korea
1989. 12. 19 Accepted declaration for technical introduction by the Ministry of Commerce and Industry (CMR S.A. in France)
1991. 02. 19 Incorporated as CMR Korea Co., Ltd.
1991. 04. 05 Technical cooperation with CMR S. A. in France
1991. 05. 06 Registered as associated company to Samsung Heavy Industries Co., Ltd.
Registered as associated company to Hanjin Heavy Industries Co., Ltd.
Registered as associated company to Hyundai Heavy Industries Co., Ltd.
1991. 07. 06 Registered as Foreign Invested Enterprise (Foreign Share 40%)
1991. 12. 31 Registered as associated company to Ssangyong Heavy Industries Co., Ltd.
1992. 03. 21 Registered as supplier to Korea Electric Power Co., Ltd.
1992. 08. 31 Registered as associated company to Daewoo Heavy Industries Co., Ltd.
1992. 11. 10 Selected as the company for special case of military service
1993. 07. 23 Confirmed the one of medium & small sized enterprise by Pusan city
Manufacturing Business of Electric Control Equipment
1994. 03. 15 Permitted and registered as the first trading business
Increased the capital (15,600 stocks for values)
1995. 09. 30 Technical cooperation with NIPPON HAKUYO in Japan
1995. 12. 26 Permitted and registered as the proper company for military safe diagnosis
1996. 04. 25 Type Approved by Korean Register of Shipping
1997. 04. 01 Registered as associated company to Halla Heavy Industries Co., Ltd.
(Note. New name: Sam Ho Heavy Industries Co. Ltd.)
1997. 05. 22 Nominated as "Bright and Advanced Technical Enterprises"
(By Small & Medium industry Promotion Corporation)
1998. 05. 11 Nominated as "Vision 21 nominated leading Enterprise"
(By Small & Medium industry Promotion Corporation)
1999. 02. 12 Confirmed as a venture business
(By Small & Medium industry Promotion Corporation)
1999. 04. 12 Nominated as "Enterprise for Export Support"
(By Small & Medium industry Promotion Corporation)
1999. 06. 18 Established attached research laboratory
(By Korea Industrial Technology Association)
1999. 07. 31 Acquired ISO 9001 Certificate (DNV)

4. Group Overview



5. Company Status

President	Kim, Eun Bong	Education	University
Age	47	Career	Hanjin Heavy Industry, Dae-Dong Shipbuilding, OTTO Dockyard (Singapore) (12years)
Company Title	CMR KOREA CO., LTD.	Registration No.	621-81-05325
Title in Korean	주식회사 한국시엠알	Foundation	1986. 5. 16.

Office Address	#321-33 Chungkae Bldg. 6F, Myungjang-dong, Dongnae-gu, Pusan, Korea		
Telephone	(051) 521-2883	Fax	(051) 521-2883
Area	463 m ²	Building Area	264 m ²
Factory Address	#307 Borim Factopia 37-10, Kumsa-dong, Kumjung-ku, Pusan, Korea		
Telephone	(051) 521-2848	Fax	(051) 521-2848
Area	661 m ²	Building Area	661 m ²

Executives

Name	Title	Age	Education	Duty	Career	Major
Lee, Byung Il	Vice President	54	University	Administration	30 yrs.	Electrical Engineering
Kwan, Sun Suk	Director	40	University	Management	16 yrs.	Accounting
Kim, Young Hwan	Director	42	University	Engineering	21 yrs.	Electrical Engineering
Kim, Sang Deuk	Senior Manager	41	University	Sales	16 yrs.	Electronics Engineering
Park, Young Ju	Manager	37	University	Quality & Conditioning	11 yrs	Electrical Engineering

Number of Employees & Education Level

	University	College	High School	Total
Engineer	4	2	3	9
Administrative Staff	4	1	1	6
Technician	0	3	10	13
Total	8	6	14	28

6. Main Customers and Technical Licenses

1) Main Customers

- Hyundai Heavy Industries Co., Ltd – Division of Shipbuilding
- Samsung Shipbuilding & Heavy Industries Co., Ltd.
- Samsung Heavy Industries Co., Ltd. - Division of Engine
- Daewoo Shipbuilding & Heavy Industries Co., Ltd.
- Hanjin Heavy Industries Co., Ltd.
- Samho Heavy Industries Co., Ltd.
- Dae-Dong Shipbuilding Co., Ltd.
- Shin-A Shipbuilding Co., Ltd.
- Ssangyong Heavy Industries Co., Ltd.
- Hankook Heavy Industries Co., Ltd.
- Korea Electric & Power Corporation
- Korea Nuclear Power Research Center
- Kanglim Industries Co., Ltd.
- KT Electrics Co., Ltd.

CMR Korea also delivers our complete products to other shipbuilding yards. All sorts of monitoring products, control panel, consol and starter/dist panel are developed and produced, including customized PLC controller

2) Technical Licenses

1991. 07. 06. Technical Licensee Contract with CMR S.A. in France

1995. 09. 30. Technical Cooperation with Nippon HAKUYO in Japan

1995. 10. 30. Technical Licensee Contract with Ben I2E in France

1996. 01. 26. Technical Licensee Contract with Samsung Electric Marine

Telephone

1998. 06. 30. Technical Licensee Contract with Samsung Electric CCTV

7. Products

A. Licensed and Assembling Products

1. Temperature Sensor

- *MD Series* Diesel Engine Exhaust Gas Temperature Sensor
- *MBT Series* Applications in Fluid Temperature Sensor
- *MPT Series* Applications in Fluid Temperature Sensor
- *AMS Series* Ambinet Temperature Sensor
- *TC Series* Tanks Temperature Sensor
- *AS1 Series* Transmitter for PT100
- *MP Series* Bearing Temperature Sensor
- *ATC1* Transmitter for Thermocouple
- Sheathed PT100 and Thermocouple
- Nuclear and Thermal Power Plant Temperature Sensor

2. Pressure Sensor

- *P5R* Relative Pressure Sensor
- *P5S* Relative Pressure Sensor with Threshold
- *P5AMN* Relative Pressure Sensor for Navy Type
- *P6R* Relative Pressure Sensor
- *P90* Relative Pressure Sensor

3. Pyrometric and Thermocouple Pipe for Diesel Engine

4. Monitoring Modules

- *MS. S2U* Conversion Module for PT100
- *MS. AU* Alarm Module
- *MSIG* Insulation Module
- *MS. C2U* Conversion Module for Thermocouple
- *MS. LA* Supply Module
- *MS. ASU* Safety Module

5. Indicator

- *Q72, Q96* 4-20mA Analogue Indicator
- *TS6* PT100 Analogue Temp. Indicator with output 4-20mA

B. CMR France Products Range

1. Monitoring Units

- *CMR 900* Alarm, Monitoring and Control System
- *S128* Exhaust gas temperature monitor
- *S130* Binary Alarm Unit
- *MT1* Micro-terminal Programmer
- *DPS* Diesel Engine Performance System
- *424, 425* Modular Monitoring Units
- *S129* Analogue Parameters Monitor
- *S127* Manual Scanner
- *TB1* Top end bearing temperature monitor

2. Indicator

- *TC3, TC6* Alarm, Monitoring and Control System
- *NC6, NS6, NP6, NP7* Digital Indicator

3. Control Panel and Automations

- Specific orders, complete automation and monitoring units for automation ships and power plants.

C. BEN MARINE

- Digital EM-LOG
- Electronic Direction Finder
- Electronic Compass
- Digital Autopilot
- Dual Axis Doppler Log