e-MARINE Company Profile
e-MARINE’s mission is to provide solutions to improve the safety of life at sea, to reduce the number of maritime disasters, and to improve the efficiency of disaster response. We shall do so by adapting to the challenges of the sea, and the needs of our customers.

**SOLAS (Safety of Life at Sea)**

- **Safety**: Strengthen Safety with certified Hardware and Software
- **Professionalism**: 15 years of expertise in the Marine ICT field and Customer Service
- **Responsibility**: Personalized 1:1 Customer Service to better organize Order History and Product Management
“e-Navigator for your sailing e-Motion”

- Marine ICT
- Convergence of ICT with Marine Industry
- E-Navigation & SMARTSHIP
- Big Data
- Marine IoT
Founded in 2001, 15 years of expertise in Marine ICT has shaped e-MARINE as the leading provider of e-Navigation & SMARTSHIP solution. Using our experience and technology, we shall guide South Korea develop from the best Shipbuilding Nation into the most advanced SMARTSHIP Nation.

Your safety is everything!

e-MARINE

- Company: e-MARINE Co., Ltd.
- Founded: Jan. 2nd 2001
- CEO: Dr. JJ UngGyu Kim
- Business: Marine ICT, HW, SW Development
- Location:
  - Ulsan: #401 Bestech B/D, 30 Jungdong-Ro, NamGu, Ulsan
  - Seoul: 5F Adora B/D, 272 Toegye-ro, Jung-gu, Seoul
- Contact: 070-7204-9303
04 | Organization

CEO
Dr. JJ UngGyu Kim

CFO
Yeonwoo Nam

CSO
Dalgyu Kim

COO
Brian Yang

CTO
Primo Park

Human Resources
Accounting
Investor Relations

Marine SI
e-SI
e-Project

Marine ICT
e-Solution
e-Service
Business Strategy

Shipbuild ICT
e-Navi
e-IoT
e-Net
e-Defence

R/D
History

2001
- DIMARS was founded
- Chart production registered
- S/W biz registered

2002
- Awarded INNO-BIZ

2003
- Dr. JJ UngGyu Kim joins in as CEO
- ECDIS KR acquired
- ISO9001 acquired
- Changed company name to e-MLX

2005
- Official IHO S-63 ECDIS Manufacturer
- ECDIS DNV Type Approval acquired

2007
- Patent registered: Speech Recognition Steering Ability

2008
- Investment Contract with JASON based in Singapore.

2009
- R&D service registered
- e-Sirius Product Launch

2010
- ECDIS KRH Type Approval acquired

2012
- Weather management Certificate acquired
- Changed company name to e-MARINE

2011
- ECDIS Kernel GS Certificate acquired
- ICT construction registered
- Changed company name to Hyundai e-MARINE

2013
- RADAR development project started
- Official KR ENC Provider

2014
- BWTS Filter KR Certificate acquired

2015
- Office Relocation
- Voyage Optimization System Patented
- Object-relation type database ECDIS Patented
Digital Chart
- C-MAP Professional+, FlatFee
- UKHO AVCS, ARCS, ADP
- KR ENC

Marine Communication
- ECDIS (e-Navigator III)
- WECDIS (e-Navigator Navy)
- ECDIS (eGlobe G2)
- HATTELAND

Marine GIS
- CARIS
- SevenCs
- dKart

SMART SHIP
- Optimal Route Planning System
- Collision Avoidance Support System
- ISIG

Monitoring System
- Aids to Navigation
- Search and Rescue
- Costal Surveillance

Simulator
- Ship Handling Simulator
- Anti-Submarine
- Submarine

e-NAVIGATION & SMARTSHIP
Sales Report

- ECDIS 320 Unit
- Hatteland 254 Unit
- ISIG 254 Unit
- CARIS 210 Lic
- Digital Chart 364 Lic
- SAR 172 Unit

AtoN Weather Info System

- Operating Centers 11 Site
- e-AtoN AIS 10 Unit/RTU 129 Unit
- Current Monitoring 1 Unit
- Display System 36 Unit
- AtoN Management System 1 Site
Customer & Partner

REPUBLIC OF KOREA NAVY

Ministry of Public Safety and Security
LIG Nex1 Co., Ltd
Hanwha Systems

Samsung
Samsung Heavy Industries & Construction Co., Ltd.

HANJIN HEAVY INDUSTRIES
STX Offshore & Shipbuilding
Doosan

Ministry of Oceans and Fisheries
Ministry of Agriculture, Food and Rural Affairs
Ministry of Science, ICT and Future Planning
KRISO
KIGAM

Korea Institute of Geoscience and Mineral Resources

국립해양조사원
KHOA
KOHA

한국해양조합협회
Kodco
Marine Research Co., Ltd

HANJIN SHIPPING
Beyond the Ocean

HMS

Hanseaswatx Maritime Services Co., Ltd

Wilhelmsen Ship Management

Dongbang

THE UNITED KINGDOM HYDROGRAPHIC OFFICE

Map
Caris

ECA Group

HATTELAND®

Energy to save

SevenCs

Hyundai Heavy Industries Co., Ltd.

HYUNDAI BS&C

HYUNDAI BS&I
1. Digital Chart

Digital charts offer everything that standard navigational chart can offer, and more. User can interact with digital chart on ECDIS, where real time information such as Ownship position, and target location are available.
2. ECDIS (e-Navigator III)

- e-Navigator is an interactive chart display system that offers various navigational functions such as Route Planning, Route Monitoring, Voyage Data Recording, Alert Management, and others. It is compatible with multiple navigational equipment such as RADAR, GPS, and others.

**Features**
- Route Planning
- Route Monitoring
- Voyage Data Recording
- Voyage Monitoring
- ARPA/AIS Target Display
- Auto Pilot Interface
- Radar image Overlay
- Multi-Chart Overlay

**Interface**
- ARPA Radar
- Echo Sounder
- GPS
- Speed Log
- AIS
- Wind Log
- Radar Image
- Gyro Compass
3. WECDIS (e-Navigator Navy)

- e-Navigator Navy is a new-generation ECDIS specialized for use of the military and the police. The advanced ECDIS supports command & control and increases situational awareness of a vessel to execute rapid and accurate decision-making during operation and battle-training.

**Feature**

- Target Management
- Tactical Data Link
- Object Management
- Radar image Overlay
- Submarine Function
- War Game Simulation
- Mine Laying

**Interface**
Panel PC type ECDIS includes all standard ECDIS functions. Maintenance service can be provided from anywhere around the world. Panel PC type ECDIS is often used when there’s an existing case, or when space is limited for standard ECDIS enclosure. eGlobe G2 training & operation certificate program is widely available.
5. HATTELAND DISPLAY

▶ e-MARINE is Hatteland Display’s Exclusive Distributor in Korea. Hatteland Display products, such as monitor, panel pc, and computer, are specialized for marine environment and Type Approved. Display units come in various dimensions.

MARINE MONITOR

<15”/19”/20”/22”/23”/26”>

MARINE PANEL PC

<8”/12”/13”/15”/17”/19”/24”/26”>

MARINE COMPUTER

<2U/4U/Compact/Fanless>
6. Marine GIS Solution

Marine GIS Solutions such as CARIS, SevenCs, and dKart, are used for creating and editing navigational charts and other GIS databases. They come in different types in order to match the workflow environment.
Optimal Route Planning System is a tool used hand-in-hand with Route Planning. The system takes into account various factors of vessel and digital chart to calculate possible “waste” of a route, which then recommends an optimized route with the highest efficiency and safety. By reducing “waste” of a route, less gas is used to sail, and therefore, gas emission is reduced.
Collision Avoidance Support System is a support system that increases safety by calculating possible collisions and recommending an avoidance route. It is used hand-in-hand with ECDIS.
SAN based Remote Monitoring System allows its Users to see the status of equipment and devices onboard a vessel through specialized gateway (ISIG) and Satellite. It is a preventative measure against possible accidents that occur due to onboard equipment failure.
10. AtoN Weather Info System

AtoN Weather Info System gathers all weather info data from weather sensors installed on Buoys and Lights. Real Time Weather information is distributed to operating vessels to reduce possible accidents caused by bad weather.
11. Search & Rescue Tracking System

Search & Rescue Tracking System, or “e-SAR”, detects SOS signal, through wireless RFID communication links, from Man-Over-Board, who wears life jacket with GPS transmitter, and traces and tracks from the rescue ship in real time.
12. Vessel Operation Simulator

Vessel Operation Simulator is used to train mariners and military personnel to operate and familiarize with the environment of a various type of vessels. Its virtual reality engine is able to produce any sea environment and many existing equipment and devices down to a small detail.
“e-Navigator for your sailing e-Motion”

e-MARINE Co., Ltd.

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