

An aerial photograph of a large, multi-level highway interchange with several overpasses and ramps. The image is overlaid with a complex, glowing blue digital network consisting of interconnected nodes and lines, resembling a data or communication mesh. The background shows some industrial or commercial buildings and green spaces.

**carnavi.com**

Global Provider for  
Smart & Autonomous Car Solutions

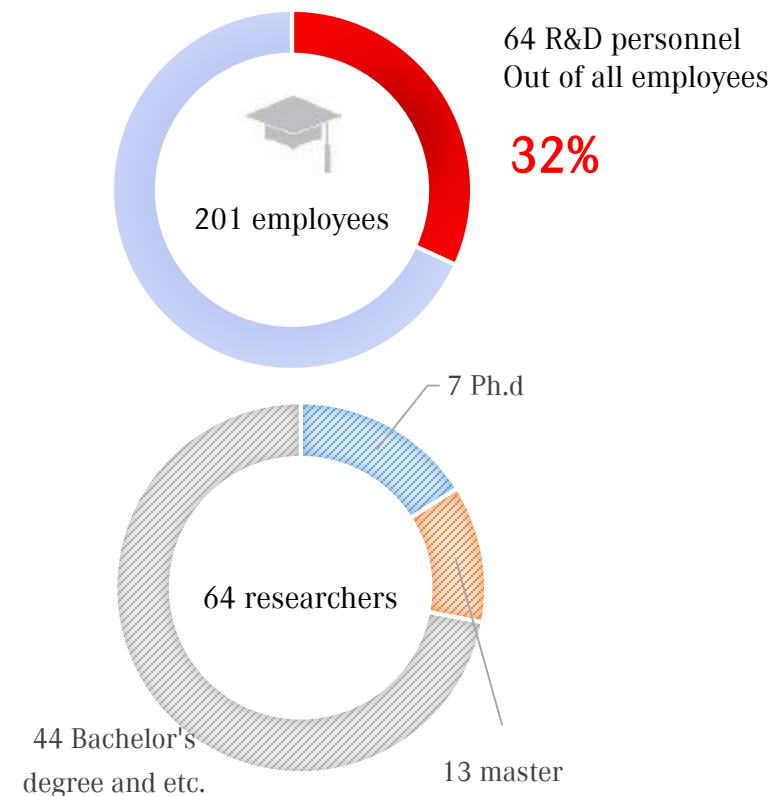


# 1. Our Company

## ● Outline

Name	Carnavicom Co., Ltd.
CEO	Jong-taek Chong
Established	January 5, 2001
Main Products	LiDAR, V2X (WAVE), ADAS, Dashcam, Navigation, ETCS(Electronic Toll Collecting System)
Head Office	13-25. Songdogwahak-ro 16beon-gil, Incheon, Republic of Korea
Homepage	<a href="http://www.carnavi.com">www.carnavi.com</a>

## ● Manpower ( As of May 2021 )



# 1. Our Company

## ● CEO Profile



### Jong-taek Chong CEO

- Bachelor of Marine Engineering, Mokpo National Maritime University (Mokpo, South Korea)
- Doctor of Marine Electronic, Communication and Computer Engineering, Mokpo National Maritime University
- Advanced Management Program, SEOUL NATIONAL UNIVERSITY
- Selected for a Certificate of Promising Small and Medium in 2016
- Selected for a Certificate of Recognition in 2018

※ Current Director of The Korean Society of Automotive Engineers

## ● Management Philosophy

Management  
Philosophy

A company that prevents accidents and saves lives

## ● Key Members

Sang-myeong Kim  
COO

Hyundai Autonet (Previous Hyundai Electronics)  
Executive  
Bachelor of physical metallurgy  
, HANYANG UNIVERSITY(Seoul, South Korea)

Keun-baeg An  
CTO

HUMAX General Director of the Automotive Electronics  
Business  
Humax Automotive CEO  
Innsys CEO  
Technical Research Institute, HYUNDAI MOBIS  
Bachelor of Computer Science and Engineering, KYUNG HEE  
UNIVERSITY(Seoul, South Korea)

Sung-Joo Cho  
Research Executive  
Director  
(Autonomous  
Driving Lab.)

JUNGSANG LIDAR CTO  
Meteorological Research Officer, NATIONAL INSTITUTE OF  
METEOROLOGICAL SCIENCE  
Doctor of Philosophy(Ph.D) in Physics and Mathematics,  
Russian Academy of Sciences(Moscow, Russia)  
Bachelor of Physics, Seoul National University (Seoul, South  
Korea)

## 2. Company History

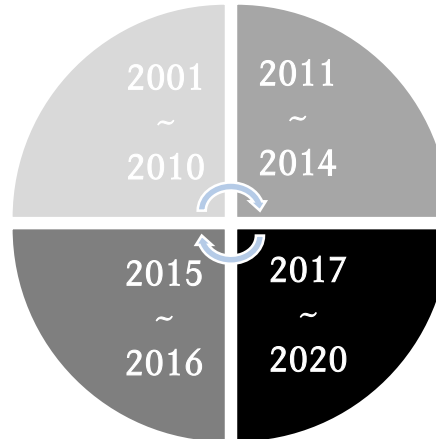
### “Preparation for higher growth based on core future automotive technology”

#### Development of Automotive Electronics

- **2004.04** Signed a Contract for supplying Navigation and Automotive Electronics to Mercedes-Benz
- **2009.08** Manufactured Interface for Mercedes-Benz NGT-4.0 only
- **2010.05** Exportation of the Products to Mercedes-Benz -Taiwan
- **2010.07** Development of ETCS (Electronic Toll Collecting System) Rearview Mirror Type

#### Autonomous Vehicle Technology

- **2015.07** Participation in R&D project “Development of V2X Communication System”
- **2015.08** Participation in R&D project “Development of 8ch LiDAR” as a leader of consortium
- **2015.11** Participation in R&D for Development of LiDAR for Dashcam as a leader of the consortium
- **2016.08** Participation in R&D for Development of European V2X Terminal Equipment



#### Launching “VUGERA”

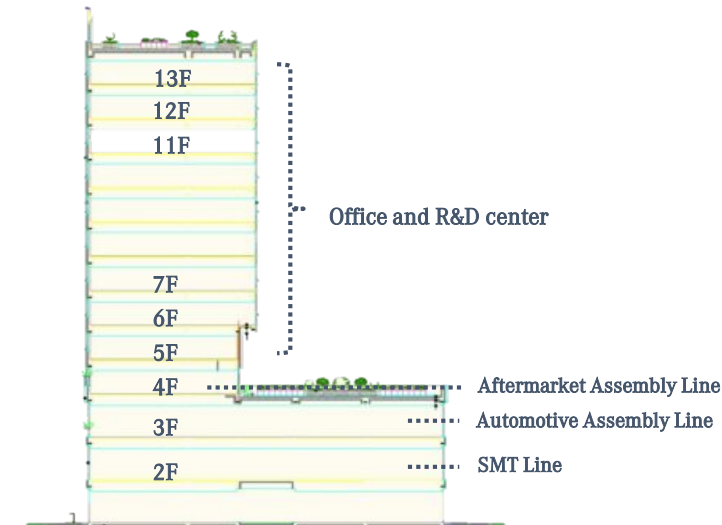
- **2011.11** Selected as the Supplier to the KT KumHo Rent Car
- **2012.07** Registration BI\_ "VUGERA"
- **2013.08** Exportation of "VUGERA" Dashcam to Russia
- **2014.08** Exportation of "VUGERA" Dashcam to SSCL(Porsche)
- **2014.10** Signed a Contract with Han Sung Motor to supply "VUGERA"

#### Quality Enhancement and Cooperation with Automobile Companies

- **2017.03** Development of AUDI Korea ETCS
- **2017.05** Selected as the leader company for localization of 16ch LiDAR
- **2018.02** Development of exclusive Dashcam “Starview\_S” for MBK (Mercedes-Benz Korea) only
- **2018.04** Supplying and Developing exclusive ETCS for MBK only
- **2019.07** SMT Line installation complete
- **2020.02** Acquisition of IATF 16949 Certification
- **2020.06** Crosswalk Surveillance 4ch LiDAR Launching

# 3. Location

## ● Location and Building View

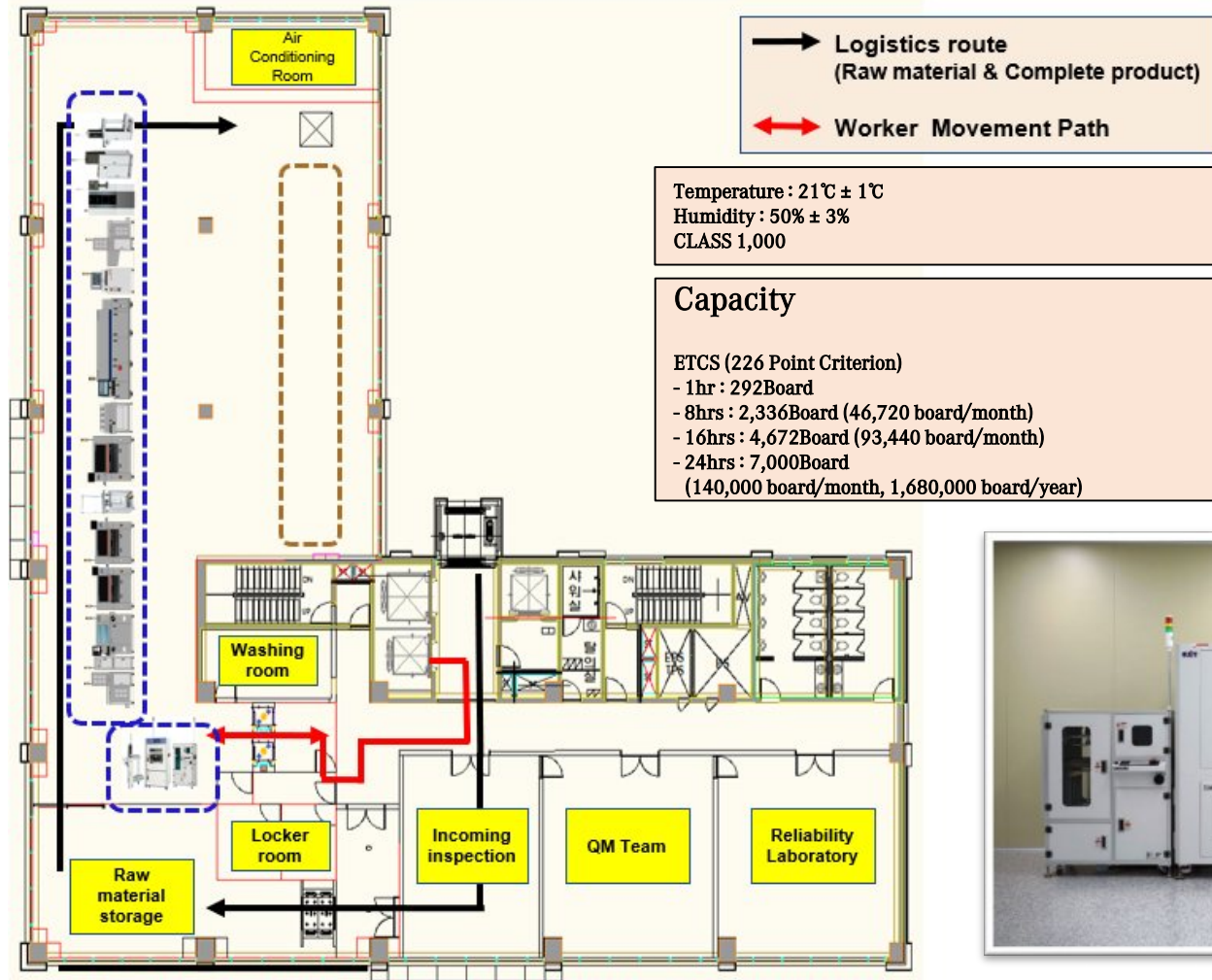


- Note
  - About 30km from Seoul, the capital of South Korea
  - Located nearby Incheon International Airport



## 4. Factory - SMT Line

### ● SMT Line (2F)



## 4. Factory – SMT Line

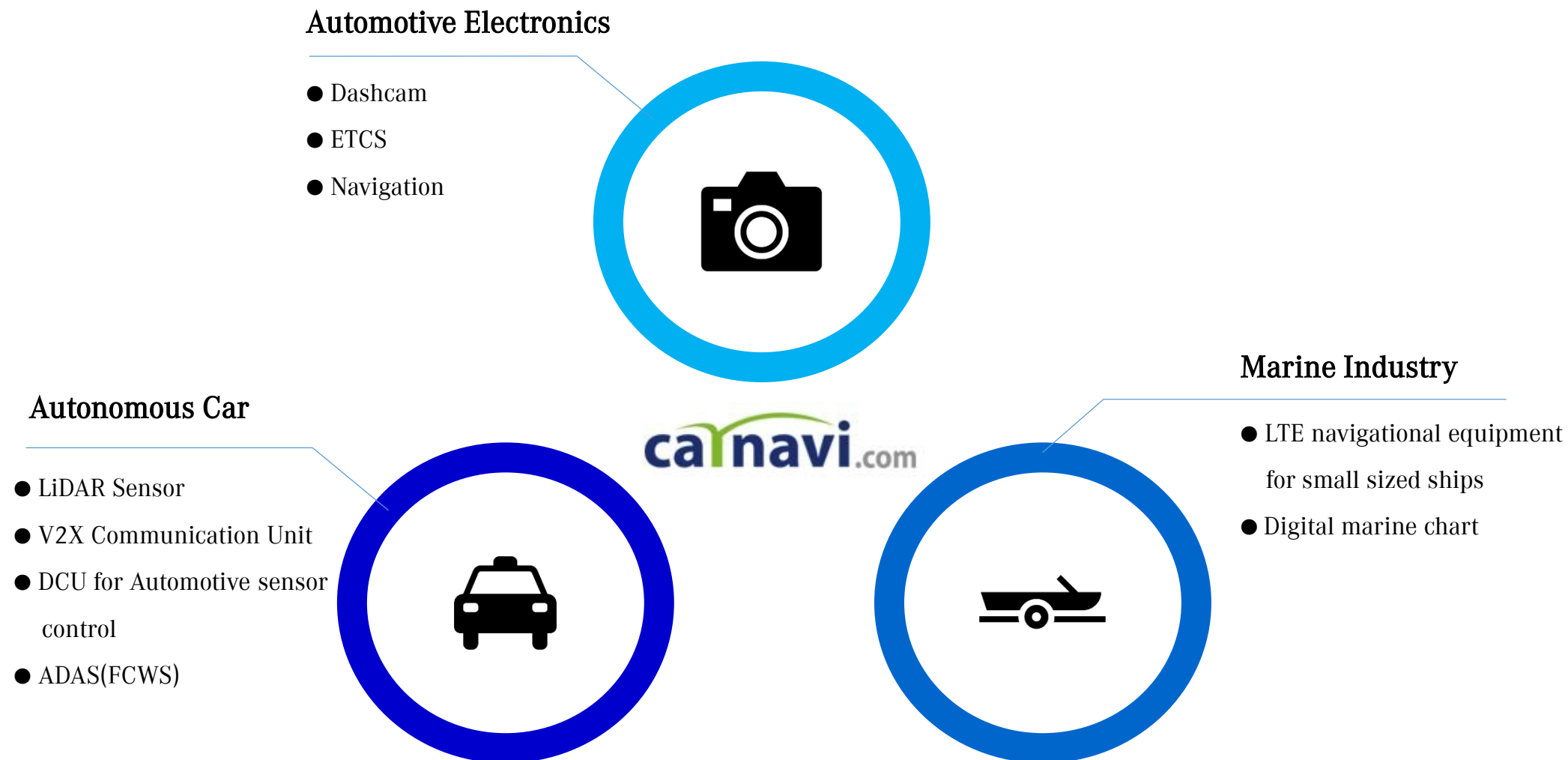
- VIP visit to Carnavicom



In October 2020, after receiving a report on the current status of Smart City operations in Incheon, the president Moon visited to digital SoC company Carnavicom to tour its manufacturing facilities.



## 5. Business Area





# 5-1. Business Portfolio (2001 ~ 2020)

## ● Main Products (As is)

### ○ Dashcam



Vehicle video recording device. Records event videos of driving, parking and moments before and after collision and provides information that helps identify the situation of the accident.

### ○ ETCS OBU



Electronic toll collection system that makes it possible to pay tolls for highways through wireless communication in a car while driving. There are RF and IR type.

### ○ Navigation



Device that checks the exact distance and time required to the destination, and guides the route to a certain destination.