

Page 1. Cover Page

Hello! I'm Jaehyun Park. I am the CMO in charge of global commercialization at Chungcheong Co.,Ltd.

Page 2. Company Overview

Chungcheong was established in 2019 and is headquartered in Cheongju and has a branch office within the Korea Institute of Construction Technology (KICT) in Ilsan.

The branch is conducting research and development on [road safety facilities and also robots to install the road safety facilities.](#)

With [10 years of experience in manufacturing road safety facilities and also in the installation of road safety facilities,](#) Chungcheong has been recognized for the good quality of the products and the accumulated technology.

We have received many awards and commendations at various competitions and also from the government every year since its foundation in 2019.

Page 3. Company Main History

Recently in 2024, our company, Chungcheong received
1. the Public Procurement Service Innovation Product Designation,
2. the award from Minister of Land,
3. and the CES Innovation Award in 2025.

Since the establishment, our company has been conducting business in the field of road facility manufacturing and installation of road facility through the Public Procurement Service.

We have been not only manufacturing the road facilities but also installing those products on the road.

You can see the pictures of our road facilities that we are producing on the bottom of the slide.

Page 4. Problems : Limitations of Road Construction Site

While workers are doing the road construction job such as road facility installation and lane painting, accidents and deaths occur every year.

In order to solve this problem, a lot of money is being spent. We learned that the safety management costs of Korea Expressway Corporation have been increasing every year.

Page 5. Problems : Current Status of Road Construction Site

In addition, there is no standardization about results of the installation constructions.

And So many facilities are easily damaged in the event of a natural disaster sometimes because of the lack of product durability and sometimes because the skills of installation construction vary from person to person.

And due to the aging social demographic structure, we are facing the limitations of manpower supply in construction sector.

These problems are not just Korea's problems.

Page 6. Solution : "AUTONG", True innovation in road construction

To solve these problems, we want to introduce "AUTONG," an automated road facility installation machine developed by our company, Chungcheong.

AUTONG is a robot that replaces people working for the installation of road facilities.

"AUTONG" recognizes lanes, drives itself, and performs drilling for road facility construction with automatic control.

Due to AUTONG, we can solve the shortage of manpower.
And we can create standards on the road facility installation by the automated operations of AUTONG.

In addition, AUTONG can proceed the installation work much faster and safer than existing manpower-centered work.
It shortens the construction period.

AUTONG can solve various problems in the road facility installation job.

Let me show you a short film about AUTONG.
2 mins. and 29 secs.

<https://www.youtube.com/watch?v=JLeDdVH1jII>

Page 7. Product Information

Let me tell you the specification of AUTONG, our company's flagship product.

The size of AUTONG measures 1300 x 1100 x 800mm and weighs about 250kg.

The control method uses a dedicated remote control and APP, and it can be driven for 10 hours with its own battery.

The maximum driving speed is 5km/h. The drill is operated using a 220v generator.

Page 8. Technological Competitiveness : Compatible with different specifications by manufacturers

When it comes to road facility installation, each facility manufacturer has different specifications.

However, AUTONG can adjust the distance and angle, making it 99% compatible with any brand of road facility.

You can also work from 1 to 5 holes at the same time.

This allows AUTONG to reduce construction time by up to 4 times over the existing workforce-driven work.

Page 9. Technological Competitiveness : Efficiency compared to the past

AUTONG is a robot that performs road safety facility installations that construction workers have been performing themselves so far.

AUTONG can reduce the duration of construction and the manpower required for construction by about 40%.

In addition, AUTONG is solving various problems in the field by preventing accidents and reducing construction costs.

Page 10. Technological Competitiveness :

Application of "AUTONG" in construction site for the first time in Korea

This is the shot of working with AUTONG in the road safety facility installation.

Page 11. Market Preparation : Preparation completion for Domestic sales

In Korea, we are selling our road safety facilities and the installation Robot, AUTONG.

Our products are used in many road constructions in Korea.

Page 12. Entering the Global Market : **Entry into Vietnam**

In 2023, our company's facilities were exported and installed in Can Tho City, Vietnam.

In 2024, our company's facilities were exported and installed in Ho Chi Min City, Vietnam.

And in 2025, we are currently in the process of exporting our company's road drilling machine, AUTONG, and applying it to many construction sites in Vietnam.

Page 13. Product Verification : Domestic and foreign technology verification

Autong has been recognized for its innovation and technology by many organizations at home and abroad as an outdoor construction robot.

As a result, it received the Ministerial Award for Land, Infrastructure and

Transport and the National Assembly's commendation.

Page 14. Current Situation : Public-private cooperation in Korea and abroad is underway.

In addition, we are currently collaborating with domestic and foreign public institutions on field demonstration, technology transfer, and equipment sales for global equipment sales.

Page 15. Current Situation : Export to Vietnam is scheduled for October 2025..

These preliminary preparations made it possible to create an opportunity to export our installation robot, AUTONG, to Vietnam around October 2025.

Page 16. Status of technology holdings : Patents owned by the company(Design, Trademark)

There are a total of 10 patents related to AUTONG.
And we are also making it a right for global export.

In addition, we plan to add patents according to the development of follow-up equipment.

Page 17. Product Extensions : Various Models of AUTONG

The equipments in the picture are Autong's family equipments.
With Autong first, our company is also trying to make a wide entrance to the global construction market with the development of lane painting, lane marking, and construction support robots.

Page 18. Market Analysis : **TAM-SAM-SOM**

After entering the global road facility construction market with AUTONG, we would like to challenge the global lane painting market.
And ultimately, our goal is to enter various areas of the global smart construction market.

Page 19. Profit Model : Sales Plan by Model

It is a profit-generating plan for each AUTONG family model.

Sales and rentals will be carried out according to the purpose and circumstances of each construction site.

(And global local agents can receive additional royalties depending on the size of the contract construction revenue.

In Korea, royalties can be received because the bid selection rate increases by utilizing the additional point system when bidding with large construction companies.)

And we are preparing to build a global production base in Vietnam to lower the production cost for exporting.

Page 20. Team Members. Company Motto : Make the impossible possible!

These are our team members.

Our Motto is "Make the impossible possible!"

Under this motto, our company wants to succeed in the road facility installation construction business.

We will do our best for the future generation.

Page 21. Conclusion : Replacement of outdoor construction site personnel

Chungcheong has a product line that can solve problems in road facility construction as shown.

We are confident that we are the best who can solve the problems of road facility installation.

Thank you for listening to my presentation. Please, feel free to ask any questions.

from

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