

The harmony
of beauty of space and safe living

Head Office

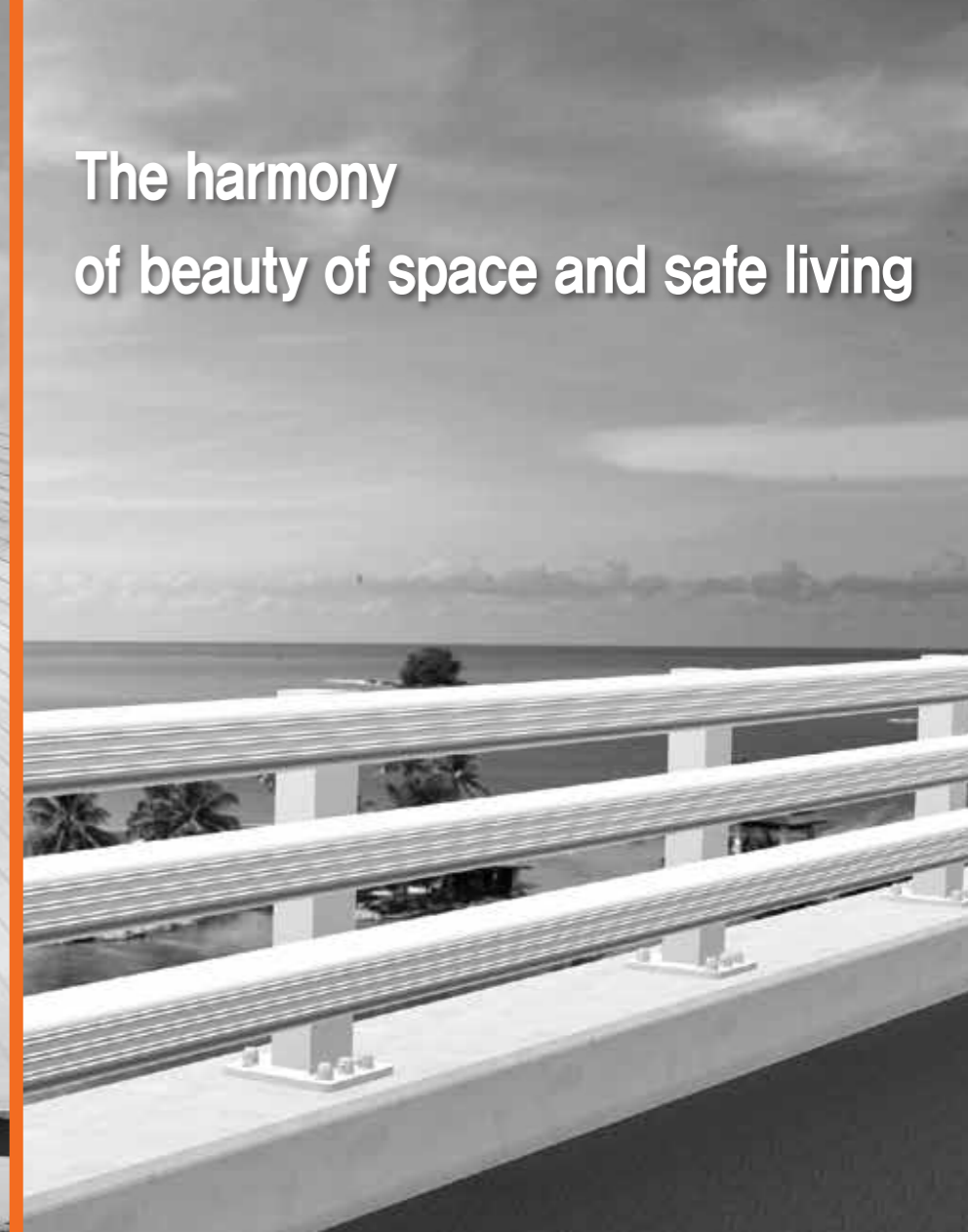
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 **ALUMIZONE**

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 **ALUMIZONE**



**SUNGGAI BRUAS
in BRUNEI**

 **ALUMIZONE**

COMPANY INTRODUCTION

Alumizone is specialized in producing all kinds of railings and fences and making beautiful and harmonious places. From bridge parapet to sound proof wall, our wide range of product line has been satisfied numerous customers since the establishment. In 2015, we started to apply principles of ISO 9001 and ISO 14001 to the management system and, as a result, our products became well known for its great quality in Korea. Yet, we have never stopped to improve management innovation and to develop our own technology.

Our technical expertise accumulated since the establishment in 2002 has contributed greatly to completing the numerous governmental projects. Our suicide barrier having reduced suicide rate after the application on Mapo Bridge most known for a suicide bridge in Seoul is a great example. Until today, we have acquired not only over 200 patent rights and registered design rights in Korea, also the international notification of fine quality, CE mark. With this effort, we won contracts worth about 5 million USD internationally and started to export to Brunei in 2016.

Before today, we have overcome many hardships by the trust from our customers in us. Since then, we are trying our utmost best to make a return for their trust. Making Korea a better place to live and making the world a better place to live, ultimately, will be it. We will never forget the very first step we took and be always prepared for bigger challenge.

Thank you.

CEO Songwoo, Her

COMPANY HISTORY

- 2002. 11. Established
- 2005. 07. Incorporated as Alumizone Co., Ltd.
Joined 'Seoul City Aluminum Industry Cooperative'
- 08. Registered the factory in Korea Industrial Complex Corporation
- 2007. 02. Newly headquartered in Dohwa-dong, Incheon
Registered the factory in Incheon Regional Industrial Complex Corporation
Certified as a Direct Producing Company for handrail by Small and Medium Business Administration
- 05. Certified as a Direct Producing Company for metallic fence by Small and Medium Business Administration
- 2010. 06. Acquired a certificate of registration in construction industry
- 2011. 10. Awarded Gold Prize to Aluminum crash barrier at Hit Product Awards
- 2012. 10. Awarded Gold Prize to Car Stopper for the Ports at Hit product Awards
- 2013. 11. Awarded Gold Prize to Handrail with Adjustable Angle at Hit Product Awards
- 2014. 09. Selected as a promising small and medium business by Incheon Metropolitan City
11. Awarded Gold Prize to Anti-Suicide Barrier at Hit Product Awards
- 2015. 03. Granted Q.A. International Certification in accordance with ISO 9001:2008 and ISO 14001:2004
09. Selected as a quality certified company with Q Mark
10. Endorsed the highest standard and the excellent quality of the products by Incheon Metropolitan City
11. Expanded the factory in Yesan-gun, Chungcheongnam-do
12. Certified as a company with an affiliated R&D Center
- 2016. 03. Participated in Korea Public Procurement Expo 2016
04. Established ALUMIZONE SDN BHD in Brunei Darussalam
07. Acquired CE marking for excellent shock absorbing performance of the crash barrier
11. Participated in 2016 Vietnam Expo HCMC
12. Certified as a Promising Export Firm by the Small and Medium Business Administration
- 2017. 02. Participated in 2017 Sabah Construction Industry Trade Fair
04. Participated in Korea Public Procurement Expo 2017
10. Participated in 2017 Buildtech in Singapore

FACTORY VIEW

FACTORY :

50, Yedangsandan 1-gil, godeok-myeon Yesan-gun, Chungcheongnam-do, Korea



CERTIFICATES & LICENSE



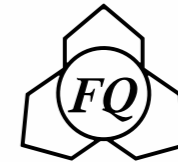
A certified supplier of Government Procurement System



ISO 9001 : 2004
ISO 14001 : 2008



15 Patent Certifications
160 Design Registration



Collective Standard Certificates



GOOD PUBLIC DESIGN
Standard Certificates
_SEOUL



GOOD PUBLIC DESIGN
Standard Certificates
_GYEONGGI



Management Innovation
Business Certificate



Quality Guarantee Mark



A Promising Small and
Medium Business Certificate



CE(Conformity European)
Certificate



Certified Company-affiliated
R&D centers



Clean WorkPlace
Certificate

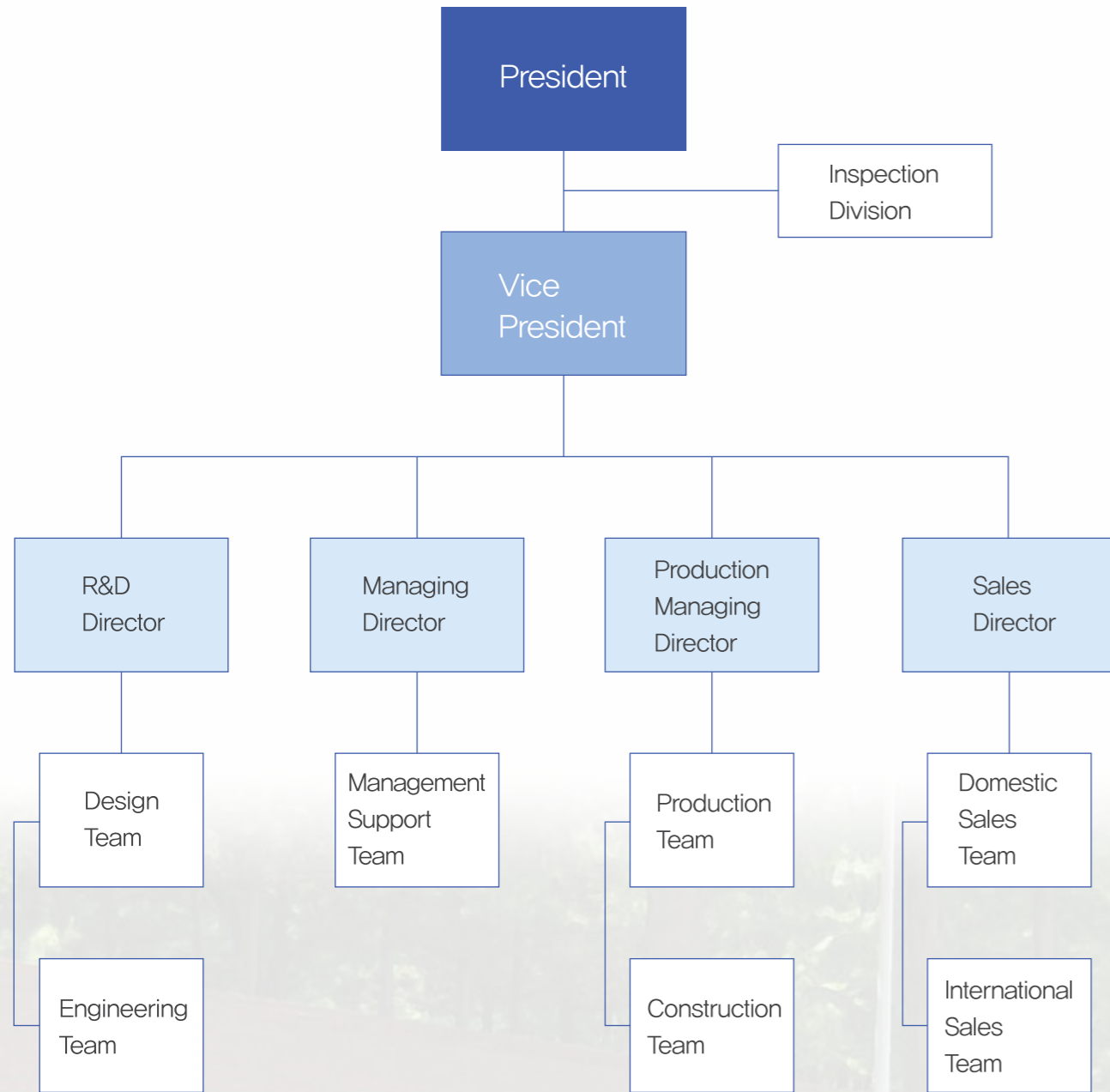


Grand Prix at GPD Award



Promising Export Firm
Certificate

Organization Structure

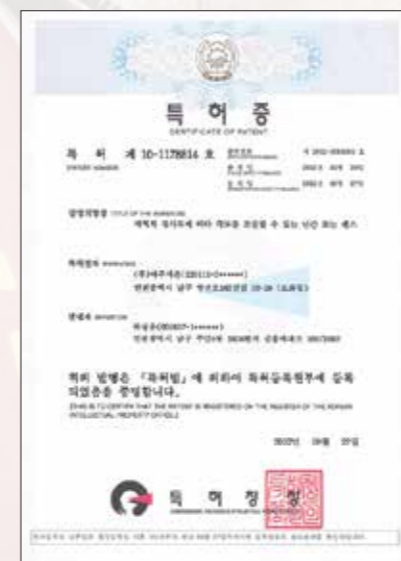
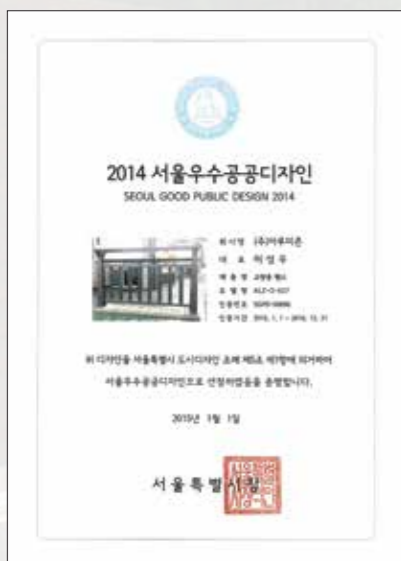
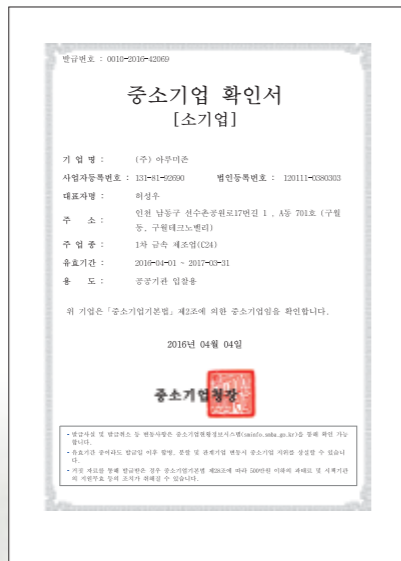
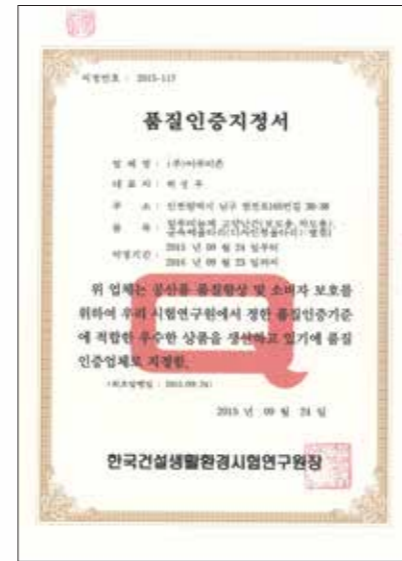


CERTIFICATES & LICENSE



CERTIFICATES & LICENSE

PATENT



PROJECT REFERENCES

Alumizone is one of the preeminent firms in construction of metal structures for the bridges in Korea. Since establishment, we have been involved in the major construction projects in Korea, and last year, we achieved more than 100 construction projects which are worth about KRW 4 billion (approximately USD 3.6 million). Currently we are preparing for the next year bidding for Temburong Bridge Package CC3 Project in Brunei and for achieving the sales goal, USD 10 million

■ Project References in Number

- Bridge construction : 232 project
- Port construction : 32 project
- Road construction : 157 project

■ Project References in Time [Domestic Projects]

- [2007] Korail Airport Railroad Line2 in Incheon, Korea, Client: Posco
 - Installing Construction of Railing
- [2008] Light Railroads between Gimhae City and Busan City in Korea
 - Glass Panel Railing
- [2010] Material Supply for Stainless Steel Railing in Railroad between Onyang and Nampo in Gyeonggi-do, Korea
 - Stainless Steel Components in Railing
- [2012] Kangjungbo, Bike Lanes in Daegu, Korea, Client: Daegu City
 - Bike Lanes Railing for Safety
- [2013] Development plan of Incheon New Port & Dock Project 1-1 in Incheon Port, Korea Client: HYUNDAI / IPA
 - Hybrid Car Stopper
- [2014] Production installations in Incheon Port, Korea, Client: Samsung / IPA
 - Hybrid Car Stopper
- [2015] Development plan of Incheon New Port & Dock Project 1-1 – Terminal B in Incheon Port, Korea, Client: SUN KAWANG / DAELIM
 - Aluminum Guard Rail
- [2015] Development plan of Incheon New Port & Dock Project 1-1 – Terminal A in Incheon Port, Korea, Client: HANJIN / DAELIM
 - Aluminum Guard Rail

PROJECT REFERENCES

- [2015] Chung-jang Bridge in Busan, Korea, Client: Busan Metropolitan City's construction safety tests Office
 - Aluminum Median Guard Rail
- [2015] Development plan of Incheon New Port & Dock Project 1-1 – Terminal A,B in Incheon Port, Korea, Client: Sun-Kawang / DAELIM
 - Aluminum Boundary Fence
- [2015] Bridge between Yang-san and Tongdosa in Korea, Client: Yangsan City
 - Stainless Steel Guard Rail
- [2015] Development plan of Incheon New Port & Dock Project 1-1 – Terminal A in Incheon Port, Korea, Client: Sun-Kawang / SamChang Construction
 - Total 480,000m2
 - Chain Metal Fence & Metalworks
- [2015] Development plan of Incheon New Port & Dock Project 1-1 – Terminal B in Incheon Port, Korea, Client: SJ Construct / IPA
 - Aluminum Guard Rail
- [2015] Development plan of Incheon New Port & Dock Project 1-1 – Terminal B in Incheon Port, Korea, Client: Sun-Kawang / SJ construction
 - Total 480,000m2
 - Guard Rail & Railing & Metalworks
- [2015] Jeju Navy Base in Jeju Island, Korea, Client: Posco / KumKang construction
 - Guard Rail & Railing installations for Safety
- [2016] City Planning Road at Gangbyeonseo-ro, Gyeonggi-do, Korea, Client: Seould Regional Public Procurement Service
 - Installing Walkway Railing
- [2016] 2016 Facility Improvement Project at Child Protection Zone, Incheon, Korea, Client: Incheon Regional Public Procurement Service
 - Installing Walkway Railing

■ Project References in Time [International Projects]

- [2016 – 2017] Sungai Bridge in Sungai, Brunei, Client: Brunei / DAELIM
 - Bridge parapet & Guard Rail
- [2016 – 2018] Temburong Bridge Package CC2 in Temburong, Brunei, Client: Brunei / DAELIM
 - All the Metalwork in Bridge

ALUMIZONE PRODUCT LIST

Contents

Crash Barrier	16
Guard Rail	18
Crane Cable Guide	19
Anti-Suicide Barrier	20
Security Fence	22
Anti-Throwing Fence	26
Bridge Parapet	27
Railing	30
Noise Barrier	32
Hybrid Car Stopper	34
LED Products	36
AL Gate	40

Crash Barrier

[INTERNATIONAL PRODUCT]

AZB-01-01 _ [CE certified according to EN 1317-1&2, Restraint level: N2]

- Bridge, highway, dangerous road side section
- Interval of the Post Bars : 2.0m
- Length of Rail : 6.0m
- Material : Aluminum
- H = 850 (mm)



Factory examination & Crash test

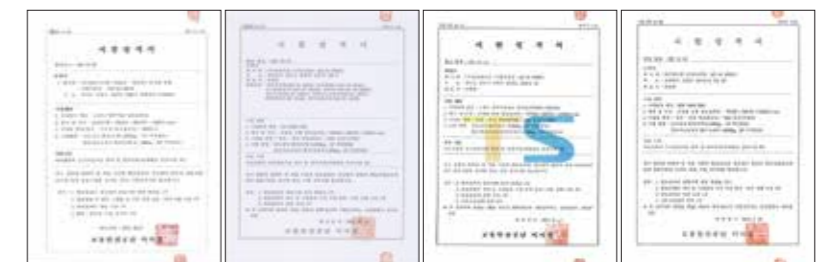


[DOMESTIC PRODUCT]

The safety of the occupants and vehicles are the most considered value when we make the products. Our domestic products have rated SB5 and SB4 level equivalent to N2 and N1 of EN1317.



Crash test & Certification



Guard Rail

Product Features

- Highway, Median Strip of a Rural Road, Dangerous Section of a rural road
- Interval of the Post Bars : 2,0 ~ 4,0m
- Length of Rail : 4,0 ~ 5,0m
- Material : Steel
- H = 800 ~ 850(mm)



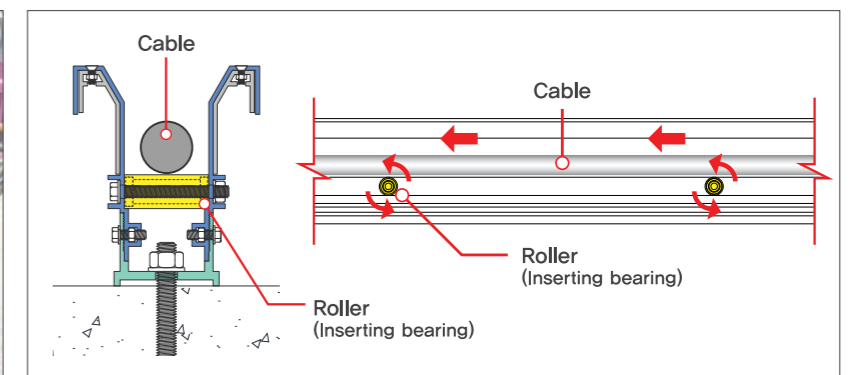
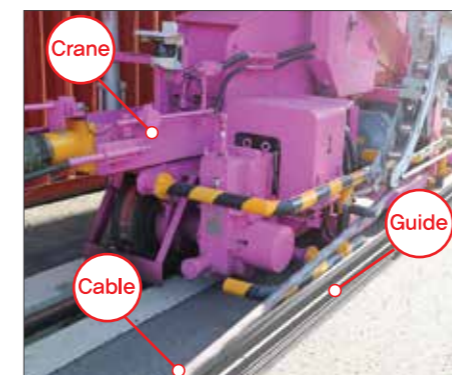
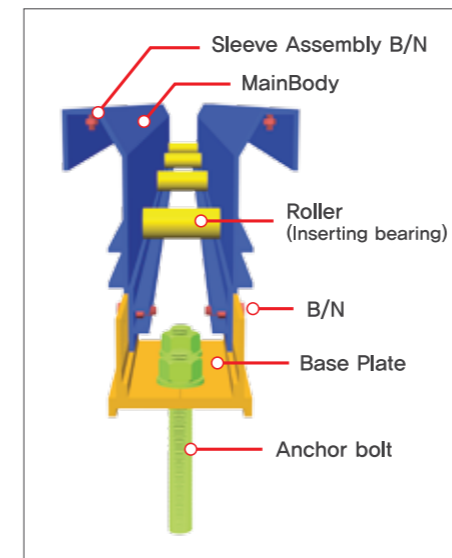
Crane Cable Guide

The crane in a port is located near cargo ships and enables to load and unload cargoes more easily by moving it self.

The crane cable guide plays the role as a support by making a gap between the cale and the ground.

Product Features

- Adjustable height
: the crane cable guide can be installed on every height of the ground and makes the crane move more smoothly.
- Helping prevent ordinary wear and tear of the cable.
- A fully assembled form which is economical when installing and maintaining by reducing the consuming time and the cost.
- Material : Aluminum Alloy



Anti-Suicide Barrier

This barrier is designed to prevent suicide attempts.

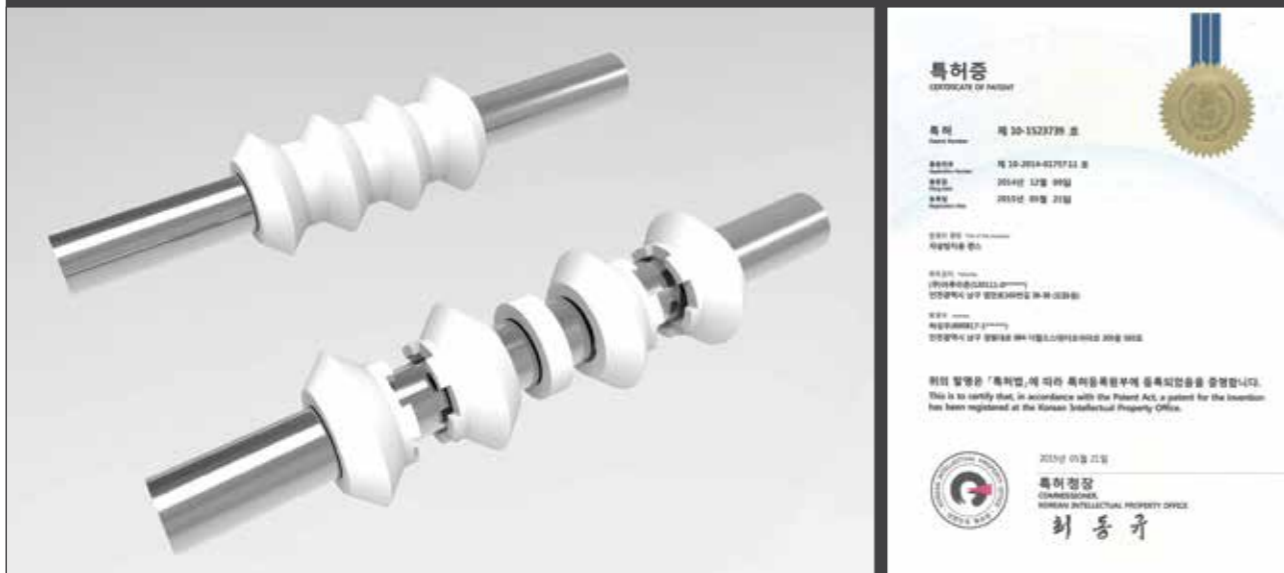
It is equipped with the suicide prevention rollers which make the barrier unable to grip.

This delays the attempt and discourages it after all.

- The patent registered domestically and internationally, the design registered and the material test report provided on request
- In December 2016 The barrier has been installed on the bridge in Seoul which is well known as suicide bridge, Mapo Bridge



- PATENT -

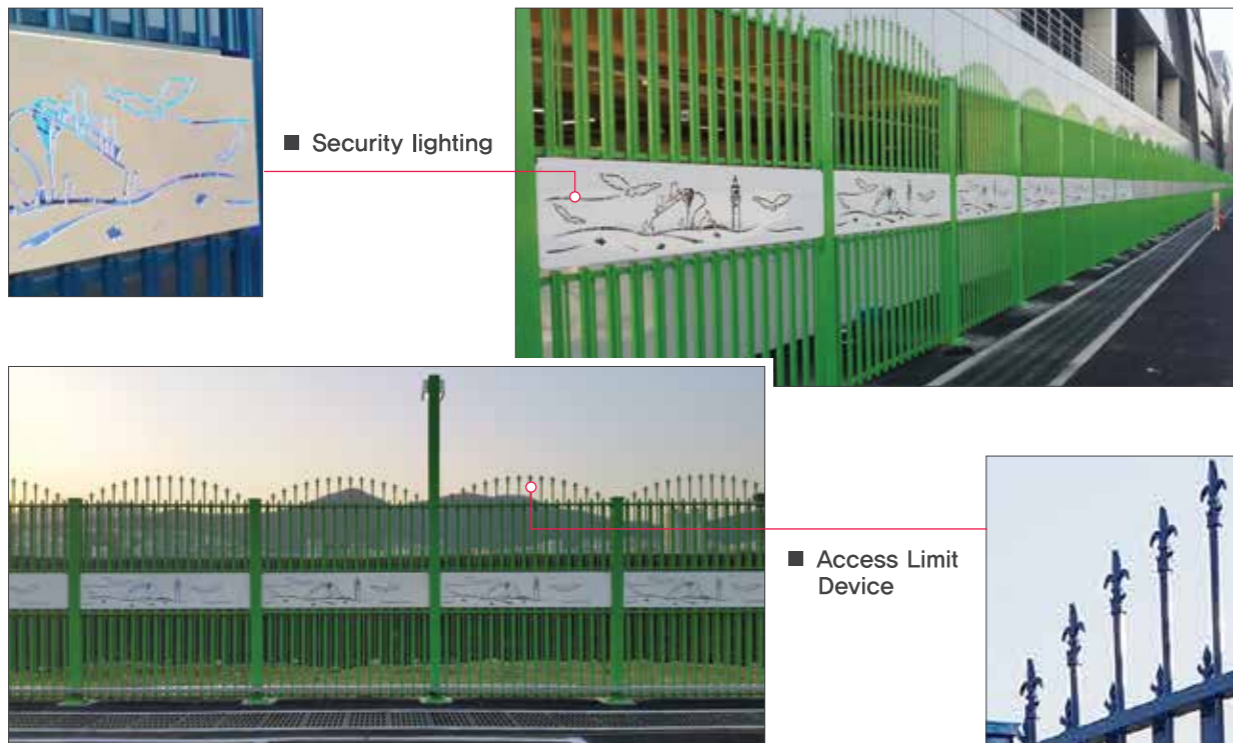


Security Fence

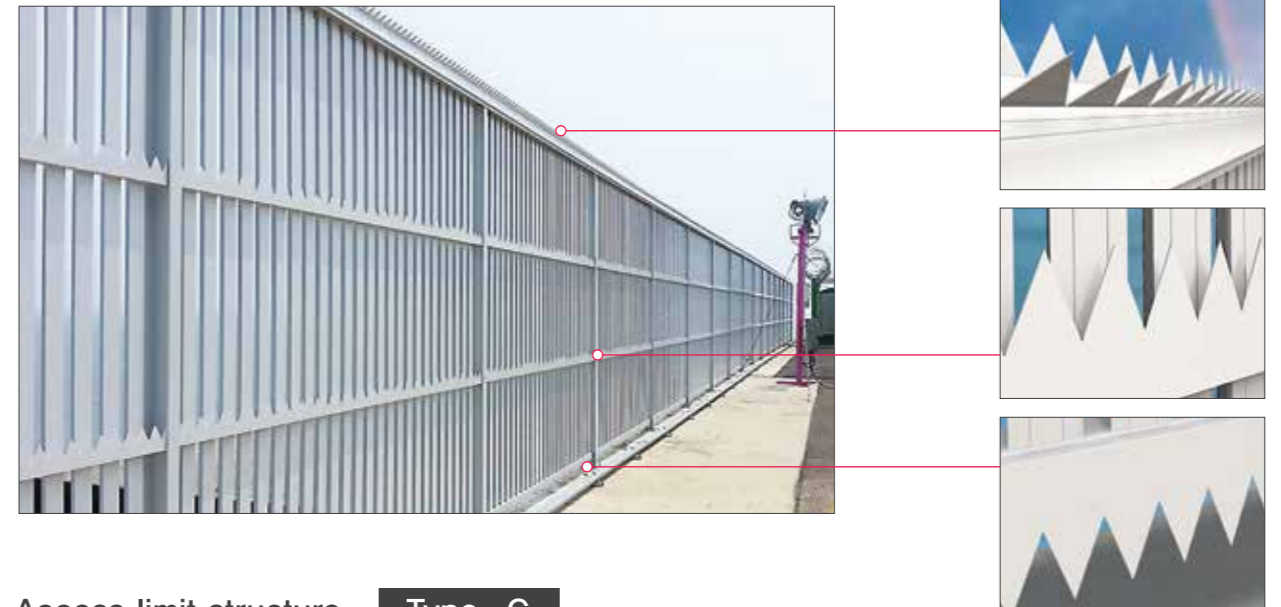
Our security fence is designed to conform to national standard for the installation which combines the excellent safety and aesthetics.

- Features : Access limit structure, Semi-permanent material(AL), Security lighting
Durable structural design
- Installed in the places where high security is required.
(ex : Military facilities, Harbor, Power plant, Airport)

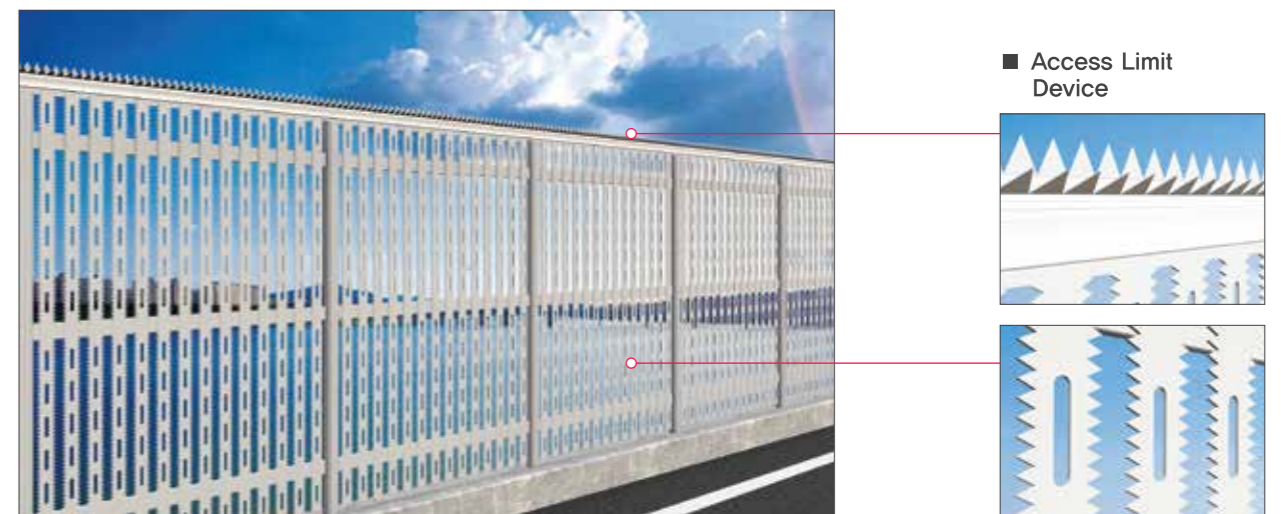
■ Access limit structure Type_A



■ Access limit structure Type_B



■ Access limit structure Type_C



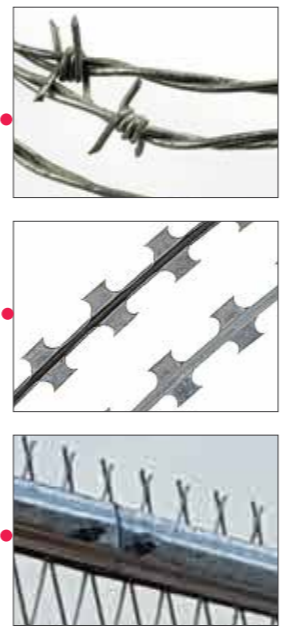
Security Fence

Access limit structure Type_D

_Concertina wire fence



Access Limit Device



Anti-Throwing Fence

3 functions in 1 design: Safety, functionality, and aesthetic appearance

- Protecting the safety of pedestrians
- Preventing throwing objects outwards
- Harmonizing with the surrounding scenery



Bridge Parapet

Product Features

- Interval of the Post Bars : 2,0m
 - Height : 1,1m
 - Material : AL (type: A6063-T5)
- Its simple, but essential, design provides the drivers a clear view and an opportunity to enjoy the scenery.
- By using aluminum alloy, it enables the product more enduring and strong to corrosion.
- Due to its material, life time of the product is almost permanent and this leads to a reduced maintenance cost.
- It is efficient for being able to replace partially a broken part.
- Painting method: Eco-friendly powder coating with wide color range.



Bridge Parapet



Railing

Design type fence provides the suitable function for a variety of locations and it makes more beautiful landscape than the existing.

Installation location : Bicycle path, Sea wall, Bridge, Sidewalk, Park

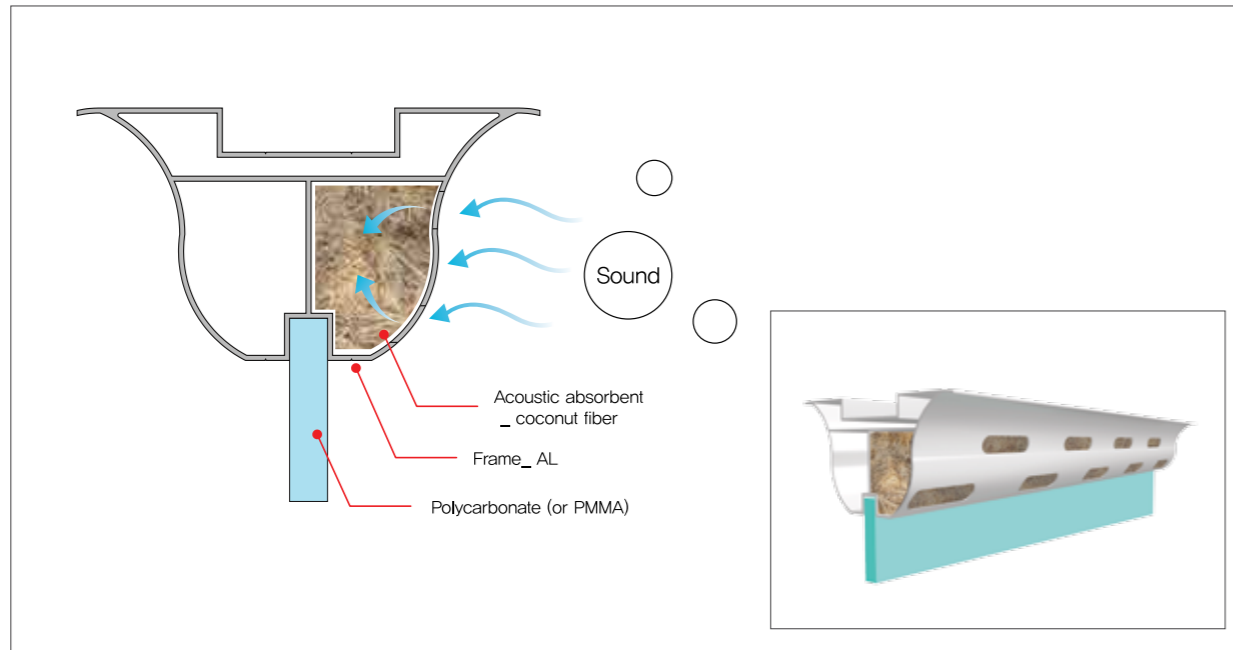
[2008] Light Railroads between Gimhae City and Busan City in Korea.



Noise Barrier

Noise Barrier Panel Features

- Using structural aluminum alloy
 - ▶ Structural safety
- Using coconut fiber(acoustic absorbent)
 - ▶ Environment – friendly
- Function & Dimension

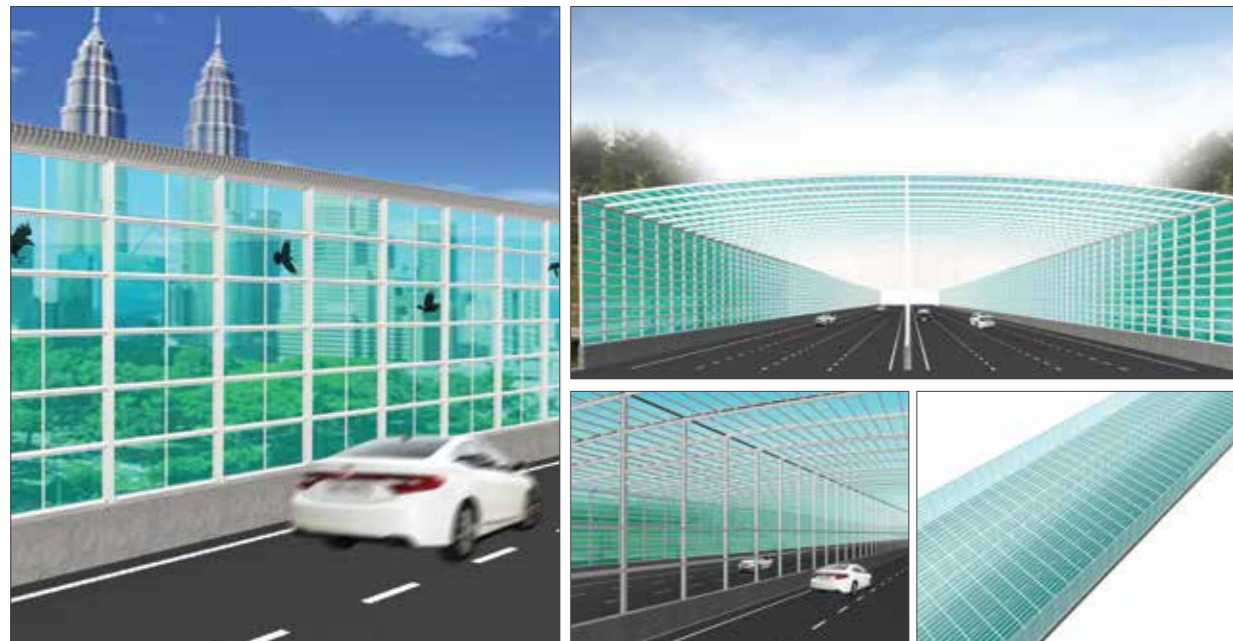


Installation View



[Straight Type]

[Tunnel Type]

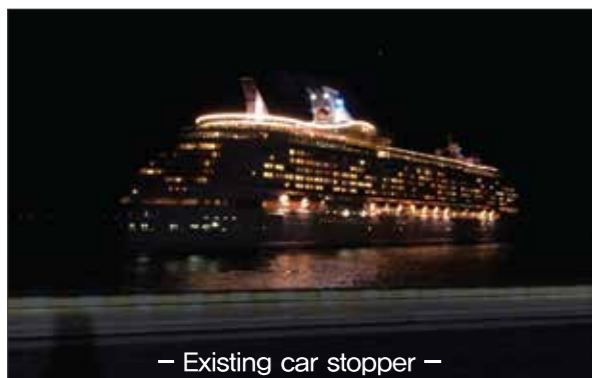


Hybrid Car Stopper

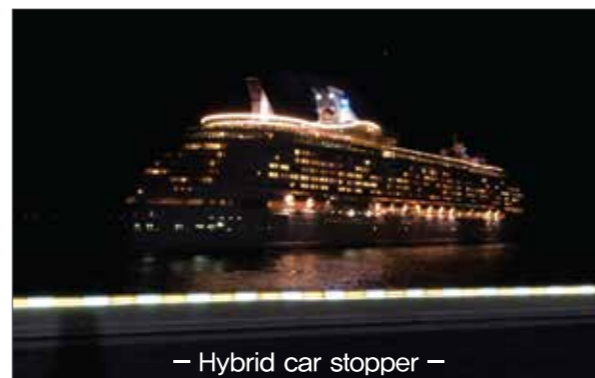
In 2014, Hybrid Car Stopper was made a finalist in the category of Technical Innovation from Seatrade Asia Awards held by the Seatrade magazine.

Product Features

- Use semi-permanent material
 - ▶ Aluminum alloy
- Improvement of nighttime stability
 - ▶ Anti-glare indirect lighting(LED)
 - ▶ Accident prevention
- 2-stage separation structure
 - ▶ Body(Concrete filling) + Base plate
 - ▶ Easy workability
 - ▶ Easy replacement of parts
 - ▶ Reduction of maintenance costs



— Existing car stopper —



— Hybrid car stopper —

Installation View



LED PRODUCT



LED PRODUCT



AL GATE



AL GATE

