

Categorie Premio

Accessibilità

Sostenibilità

Qualità della vita

Product Name

Virtual Wall

Designer

Hanyoung Lee

Company Name

Entire Address

Adress...Jugong APT.306-104, Saingil-dong, Gangdong-gu .....ZIP Code...134-707....

City.....SEOUL..... State/Province ..... Country ...SOUTH KOREA

Telephone

+82 10 3298 8478

E-mail

hanyoungs@gmail.com

Website

www.leehanyoung.com

Italian Dealer

Entire Address

Adress.....ZIP Code.....

City..... State/Province ..... Country .....

Telephone

E-mail

Website

Referring contact

for the Award

Company

Telephone

E-mail

Referring contact

for possible exposition in April

Company

Telephone

E-mail

## Categorie Premio

## Accessibilità

## Sostenibilità

## Qualità della vita

## Description of innovation social values

- product category
- formal and functional features
- problems solved by innovation
- user
- field of application

- product category: Traffic Light / Warning Sign

- formal and functional features:

Virtual Wall is safety equipment for the pedestrian crossing zone where located near the existing traffic light. It is to solve the problems that driver's ignoring warning sign and car's encroachment into the pedestrian crossing and the stop line. Virtual Wall can make up that walking people figure by plasmatic laser beam.

- problema solved by innovation:

Nowadays, urban sites got the problem that disturbance of traffic signal. Because, we are surrounded such a chaotic commercials and crowd environment near the load space. That's a one of reason that many drivers losing attention and difficulty of awareness into traffic signal. After the Virtual Wall, driver will get strong attention and carefully stop the vehicle when the laser image has been displayed in the air as virtual pedestrians are coming. And Pedestrians can cross to the pedestrian crossing safely without encroachment of the vehicle.

- user: Citizen(pedestrian and driver)

- field of application: Traffic Light, Warning Sign, Public Safety, Advertisement

## Description of technical features

- operations
- technology

There is using laser plasma technology that AIST(The Japanese National Institute of Advanced Industrial Science and Technology) developed a working three dimensional display. They have used laser produced plasma technology to make a flashpoint in the air. Using a laser plasma, the laser light source they used high-quality and high-brightness infrared pulsed laser (repetition frequency of pulse: approximately 100 Hz), by which plasma production can be more precisely controlled, enabling brighter and higher contrast image drawing.(www.aist.go.jp)

But, It just a brand new technology that invented in 2006, is step on researching and improving the technology.

## Dimensions

19cm x 350cm x 19cm (each module)

## Materials

Aluminium Alloy, Stainless Steel

## Certifications

## Benefits for environment

## Benefits for human being

The Virtual Wall provides a barrier made up of plasma laser beams depicting pedestrians doing what they do best and any car that crosses that barrier suffers the consequences.