Problem

lack of mobility rights	Lack of safety systems	Poor old people and a lack of jobs	Lack of responsive infrastructure in case of failure

Fall accident Expanded to secondary accident

전동휠체어 사고 유형 (중복응답)

41.2%

irregular Risk of collision, miscalculation, loss of balance, etc. due to road surface

보행자 충돌

a motorized wheelchair For the user Lack of safety systems

a motorized wheelchair Lack of living informatio for users

most electric power Wheelchair users are poor

취업자 비율 (15세 이상, %)

economic self-reliant difficulty

in the event of a breakdown in service difficulty of action

a motorized wheelchair Lack of repair centers

It's up to the users of the power plant to reduce all of these inconveniences!

Inertia

Acceleration

Pressure sensor

speaker

GPS

Touch panel

Floor lighting

laser

We use the power of the IoT to make the lives of electric wheelchair users safer and more convenient

지나갑니다

Gyros

Pressure Sensors

GPS

Floor Lighting

Touch Panels

electric wheel	Automatic notification of a fall in electric wheelchairs occupant	Voice notification when abnormal road surfaces are entered.	Electric wheelchairs anti-theft function.	link

a motorized wheelchair User DB

Device Management DB

service use Log DB

On-the-go voice communication.

Smart Floor Illumination Only for Electric Wheelchair

On-the-go information alerts using public data

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a caretaker/ guardian

DATA Public data portal

Solution
'Wheelchair Fall Response System' Patent Technology (formerly) It is possible to install it on a conventional power wheelchairs as a base. Development and commercialization of IoT electric wheelchairs operation auxiliary integrated system (wheelers).

Install in a Power Wheelchair

Technology

· Fall fall Notification : a motorized wheelchair a passenger fall Automatic notification.

· More than road surface : abnormal road surface on entry Voice notification.

· Thief Prevention : Provides an electric wheelchairs safety storage system.
    Provide an emergency notification if the electric wheelchairs fall without Permission from the user in the parking area.
    Alarm if movement is random after setting the main mode

· Communication : Voice support for communication related to mobile
    Pressing the button on the touch-type panel allows you to communicate your movement-related thoughts.
    "Please, excuse me for a moment." "Please hold the door." etc.
    Support for voicemails needed for the mobile process.

· Floor lighting function : Provides floor lighting to help you determine the width of the electric Wheelchairs Provides the floor illumination of the phrase electric wheelchairs passing by

· Information notification function when moving using public data :
    Utilize national public toilet data.
    Provides a combination of public data available to power wheelchairs users.

Marketing and Sales

B2G Sales to government-funded welfare centers & institutions

B2B Sales to organizations & associations of the physically challenged & wheelchair importers

B2C Sales to individual wheelchair users and their guardians