

Golden Hour Co., Ltd., a company specializing in the development of rescue equipment used in disasters



GOLDEN TIME PATIENT CARRIER

A transport device for moving patients in the shortest time with minimal manpower in case of disasters and emergencies

AIR CAPSULE





A COMPANY THAT LEADS THE EQUALITY OF THE RESCUE

₹ 01.03

Project name I 2019 Innovative Technology Product
Manufacturing Startup Partners:
President visited

Description I Selected as an innovative technology product of 2019

Institution I Ministry of SMEs and Startups **Activity period I** 19.01.03

02.28

Project name I Social Entrepreneur Fostering Project Description I Social Enterprise Promotion Project Institution I Korea Social Enterprise Promotion Agency Activity period I 19.02.28 ~ 19.12.31 05.01

Project name | Preliminary social enterprise certification

Description | Creative, innovative

Institution | Chungcheongbuk-do

Activity period | 20.05.01 ~ 23.04.30

06.30

Project name I Selected as Social Impact Changers

Description I Commercialization

Institution I Daejeon Creative Economy Innovation Center

Activity period I 20.06.30 ~ 20.11.31

08.18

Project name I Certificate of Company-affiliated research institute

Description I Established Golden Hour Enterprise R&D Center Institution I President of Korea Institute for Advancement of Technology

Activity period I 20.08.18 ~ 22.10.18

05.21

Project name | Medical device manufacturing and product approval

Description | Product Approval | Institution | National Institute of Medical Device Safety Information | Activity period | 20.05.21

08.11

Project name I Identified as a social venture company Description I Recognizes as a social venture company Institution I Technology Guarantee Fund Activity period I 20.08.11 ~

2018 2019

expansion project

Description I Implementation of my ideas

Advancement of

Science and Creativity

Institution I Korea Foundation for the

Activity period I 18.07.10 ~ 18.12.20

07.10

Business name | Maker culture

07.29

Project name I X-GARAGE Prototype Service

Description I Additional reinforcement of prototype

Institution I Korea University

Activity period I 19.07.29 ~ 19.12.31

10.18

Project name I Established Golden Hour Co., Ltd. Description I Established the company Activity period I 19.10.18 ~ 2020

10.14

Project name I LG Social Campus Regional Innovator
"Local Value Up 3rd Term" 'in Cheongju
Description I Foster young local innovators
Institution I Chungbuk Social Innovation Center
Activity period I 20.10.14 20.12.11

11.20

Project name I Certificate of Venture company
Description I Technology evaluation assurance company
Institution I Korea Technology Finance Corporation
Activity period I 20.11.20 ~ 22.11.19

10.08

Project name I Start-up NEST

Description I Acceleration, growth support
Institution I Korea Credit Guarantee Fund
Activity period I 20.10.08 ~

10.15

Description I Financial and consulting support Institution I Foundation) Social Solidarity Bank Activity period I 20.10.15 ~ 20.12.31

12.01

Project name I 2020.12 Designated as a venture start-up innovation procurement product (http://www.g2b.go.kr)

Description I Bumper type: 42192201-24130893

General type: 42192201-24130892

02 GOLDENHOUR

Golden time Patient Transport Device Manufacturer 03

LEADING COMPANY IN THE EQUALITY OF STRUCTURE

A COMPANY THAT LEADS THE EQUALITY OF THE RESCUE

COMPANY INTRODUCTION

Golden Hour keeps the value of life safe and precious above all

The time to save a life when the life is at stake and urgent is called the golden time or golden hour. Effort for those who are called safety-vulnerable at that moment, in our reality, is never easy, while human life itself is precious, so the rescue should never be overlooked.

Golden Hour Co., Ltd was established based on the ideology to value the lives of all of us and to guarantee the human rights of the safety-vulnerable class. While there is a large gap in the budget available for safety facility expansion or safety products, the safety-vulnerable group exists in a similar proportion to the number of people accommodated in each facility. However, the low budget limits evacuation due to the lack of manpower, evacuation facilities, and evacuation products in disasters and safety accidents, which inevitably causes more accidents According to the statistical data of the National Fire Information Center of the National Fire Service, the number of fires in medical facilities is 126,618 and the number of casualties is 7,593 between 2017 and 2019. In the case of fire, it is reported that many human accidents occur due to the lack of manpower to rescue patients who cannot walk on their own due to the nature of medical facilities. Accordingly, while serving as a safety manager, I recognized the problem that 'it is difficult to save lives with existing stretchers through various disaster drills and risk assessments.

Through changes in principles and rescue methods, we have developed disaster relief products that can maximize the effectiveness of rescue activities by reducing rescue time while maximizing rescuers by saving the number of rescue workers.

Starting with the distribution of these products, Golden Hour Co., Ltd. reduces the risk factors of human casualties even in vulnerable evacuation facilities in case of disasters and emergencies, guarantees the right to survive for the vulnerable, and proposes a new paradigm of lifesaving in national or social disaster. We will do our best to grow into a social entrepreneur that values human life more.

CEO of Golden Hour Co., Ltd. | Kim Dae-Jong



TECHNICAL COMPETITIVENESS

[Air capsules that have obtained approval for manufacturing and product type of medical devices]

Since the existing stretcher lifts and transports the rescuee, it receives the weight of the rescuee as he/she is, and it takes 3-4 times as many rescuers as one rescuee to distribute and transport the weight. In addition, rescuers have a problem that they may fall during transportation and are exposed to flames and harmful gases. To solve this problem, by adding flame retardant performance to eco-friendly new materials and introducing the principle of dragging and transporting using wheels instead of lifting and transporting, the efficiency of the rescue workforce was increased, and the rescue time was shortened. Furthermore, a safety device was attached, and a cover was used to prevent secondary damage for the rescuer's safety

CHARACTERISTICS OF MATERIAL

[New flame-retardant and eco-friendly material: secure safety through external shock absorption and buffer action in the form of air rescue system]

Standard type product weight : 5kgPremium type product weight : 10kg

■ Key performances of the product

Evaluation item	New product	Existing product
Product portability	Roll up and store	Foldable storage
Efficiency of patient evacuation (safe & fast)	1 rescuer per 1 rescuee	3-4 rescuers per 1 rescuee
Composite disaster use	Simultaneous application on land, underwater and mountain	Purchase rescue equipment for different situations
Prevention of secondary damage	Prevention of damage caused by falling, inhaling harmful gas, and falling objects	None
price and AS	AS possible with domestic manufacturing, cheaper than existing products	Most of them are manufactured overseas. Expensive compared to similar functions.









Extra Supported P 2nd Layer (Sheat)

M Laver Sheet



Main stretcher (35kg) Chair type (10.5kg)

Folder type (6.8kg) Separation type (8.1kg)



01 AIR CAPSULE

PREMIUMBUMPER TYPE

Product ID No. of Venture Nara of PPS (Public Procurement Service)
General type: 42192201-24130893

Product specifications

Bag size I 70cm W / 40m L / 30cm H

Manual pump operating time I 40 seconds

Gas operating time I 5 seconds

Product Size I Width (outside) 70cm (inside) 60cm

Length (outside) 200cm (inside) 190cm

Height (outside) 35cm (inside) 25cm

Max. working load I 160kg





PREMIUM BUMPER TYPE

LEADING COMPANY IN THE EQUALITY OF STRUCTURE



GENERAL FORM PORTABLE TYPE

02 **AIR CAPSULE**

GENERAL TYPE PORTABLE TYPE

Product ID No. of Venture Nara of PPS (Public Procurement Service) General type: 42192201-24130892



Product specifications

Bag size I 60cm W / 35cm L / 20cm H Manual pump operating time I 15 seconds Gas operating time I 2 seconds Product Size I Width 60cm, Length 200cm, Depth 5cm Max. working load I 160kg

Average size of conventional stretcher I W 50-55cm, Length 190-200xm



Preparation before use

- ✓ Fully familiarize yourself with how to use the air capsule before use.
- ✓ Tighten the nitrogen gas container valve and the air capsule valve until you hear a 'click' sound.
- ✓ Spread the air mat sufficiently to expedite gas injection.

How to operate

- ✓ Open the bag and spread the air capsule.
- ✓ Connect the gas container valve and the air capsule valve.
- ✓ Turn the gas container to the right to supply air to the air capsule.
- ✓ In the case of a portable air capsule, turn the patient's body to one side to put the patient easily and place the air capsule under the back of the patient to supply air.
- ✓ If the shape of the product is maintained in the form of a stretcher, fix the patient's body with a body anchor and cover with a flame retardant cover.
- ✓ Evacuate the patient to an evacuation area by dragging the string attached to the product.









Storage and managemen after use

- ✓ After use, remove the air completely, wipe it with water or rubbing alcohol, dry it with a dry towel, roll it up and store it in a bag.
- ✓ Do not change or remodel the product at your own discretion.
- ✓ Store in a place that is not affected by atmospheric pressure, temperature, humidity, wind, etc.
- ✓ Do not connect the gas container valve and the air capsule valve before or after use.
- ✓ Once used, gas containers must be filled.
- ✓ Regular maintenance, inspection and maintenance are carried out every 6 months. (Use a hand pump to inspect the product)



A COMPANY THAT LEADS THE EQUALITY OF THE RESCUE

Experience the technology of Golden Hour that leads the industry





1 Air capsule, premium type

Has an advantage of being able to move more safely with a bumper-type air capsule.

2 Air Capsule, general type

Convenient to carry and the operating time of the manual pump is short, so it can be used quickly and easily.









Multi-disaster relief supply box







AED







1 EMS kit / Water gel



5 Fire extinguisher



6 Air capsule



70cm W / 40cm L / 115cm H

GOLDENHOUR

Products of Golden Hour Co., Ltd

[Complex disaster relief and firefighting equipment, etc.] are

being supplied to Venture Nara of PPS, hospitals, nursing homes, educational institutions, government offices, military bases, leisure facilities, and group residential facilities.





Venture Start-up Innovation Selected as the procurement products.

Air capsules of Golden Hour Co., Ltd were qualified to participate in competitive bidding by the Public Procurement Service, and were registered in the health/medical sector of Venture Nara of the Public Procurement Service

Bumper type



Product List No 42192201-24130893

General type



Product List No 42192201-24130892

LEADING COMPANY IN THE EQUALITY OF STRUCTURE

A COMPANY THAT LEADS THE EQUALITY OF THE RESCUE

CERTIFICATES AND TECHNOLOGY PATENTS

AWARDS AND CERTIFICATES

Reliable Golden Hour

Golden Hour is producing reliable products by acquiring various certificates and technology patents.



Patient Protection Air Mat Patent Certificate (KIPO)



Certificate
(Governor of Chungcheongbukdo)



Automatic inflatable air mat for patient transport patent certificate (KIPO)



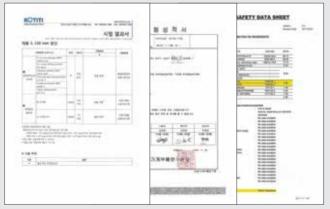
Medical device manufacturing and product license



nanufacturing Venture company certificate



Corporate research institute accreditation (KOITA)



Environmental Hazardous Factor, Vibration Measurement, Flame Retardant Test Report



US, European and Japanese patents



European design registration

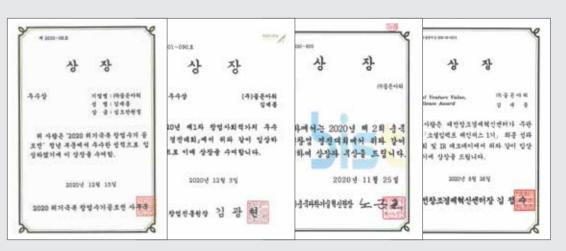


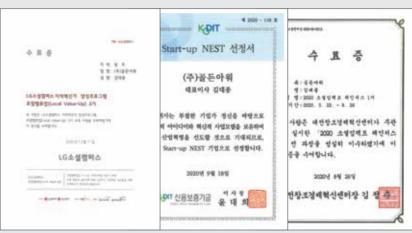
Trademark application

AIR CAPSULE is

a medical device with increased safety and reliability.

Golden Hour will do its best to grow into a social enterprise that values human life.





- ✓ 2020 Crisis Overcoming Entrepreneurship Handwriting Contest (Host: 2020 Crisis Overcoming Startup Handwriting Contest Secretariat) - Excellence Award
- 2020 1st Business Entrepreneurship Social Value Best Case Contest (Host: President of Startup Promotion Institute) Excellence Award
- ✓ 2020 2nd Chungbuk Innovation Startup Contest (Host : Chungbuk Institute of Science and Technology Innovation) Gold Award
- ✓ Daejeon Creative Economy and Innovation Center
 [Social Impact Changers 1st Term] Final Achievement Sharing Event and Demo Day Prize
- ✓ LG Social Campus Local Innovator Training Program Local Value Up 3rd Completion Certificate (LG Social Campus)
- ✓ Selected as Startup-NEST (Korea Credit Guarantee Fund)
- ✓ Social Impact Changers 1st Certificate of Completion (Daejeon Creative Economy Innovation Center)