

# SOFNI

## **WHO WE ARE**

Safety-Optimized Future by Nano Technology

# SOFIT

# Excellence for the Best

Safety-Optimized Future by Nano Technology

materials.



**MISSION** 

For **people** and **the planet**, SOFNT will apply **nanofiber**-based new materials to **30** products in **3** fields by **2030**.



**VISION** 

For a better future, the company bringing great change to the world through small



**VALUE** 

Material Optimization for Partners & Clients Shared Growth for Employees & Investors Sustainability for the Earth

## **TABLE OF CONTENTS**

HISTORY	 03
COMPANY INFO	 04
OUR BRANDS	 05
SURVICE FLOW	 11
CERTIFICATIONS	 14

#### **TIMELINE OF SOFNT**

#### 2023.05.18

Relocation of head office -Expo-ro, Yuseong-gu, Daejeon (Special Research Complex)

#### 2023.05.25

Patent application Nanofibers, adhesive fabrics, and fabric layers breathable composite fabric and How to manufacture it :10-2023-0067779

#### 2023.06

Pre-A investment attraction completed

#### 2023.12

KDB's Next One Selection

## 2024

#### 2024.01

KMI (Korea Medical Institute) Finished the examination suit renewal project

#### 2024.05

SEINMEDI INC. NDA and supply contract concluded

#### 2024.07

First Class Medical Device Registration

- Medical device manufacturing business license (No. 8602)
- Item Authorization (Reply 24-955)

#### 2023.05.10

K&Company Co., Ltd Consignment Sales - Dustproof Clothing Agreement

#### 2023.04.28

ISO 9001:2015 Certification Quality Management System

#### 2023.04.14

Patent of the Korea Institute of Production Technology Technology transfer-Cellulose nanofibers and thermoplastic Using synthetic polymer fibers Manufacturing method of thermoplastic nanofiber composite :10-1430556

#### 2023.04.10

University of Michigan and Technology Transfer -Poyldiacetylene water sensors : US 10.324,072

#### 2023.03.17

Confidentiality agreement with ASEMS Co., Ltd., Joint Technology Development Agreement

### 2023.03.06

Patent application Sargassum horneri extract biodegradable polylactide contained Nanosheets and their manufacturing methods :10-2023-0029312

#### 2023.01.12

Material Parts Equipment Startup 100 Award for Excellence in Performance Announcement

#### 2023.01.05

University of Michigan Department LOI related to technical cooperation

#### 2023

#### 2021.09

Selected as leading organization for developing on-site demand-tailored quarantine products & technology funded by Ministry of SMEs and Startups

#### 2021.09

Selected as "START UP NEST 10" by Korea Credit Guarantee Fund

#### 2021.11.26

Patent registration: Virus-blocking protective clothing with ventilation comfort and its manufacturing method no. 10-2021-01661121

#### 2021.12

SEED investment

### 2022

#### 2022.05.26

Selected as one of "Material Parts & Equipment Startup 100" companies (Composite Material field)

#### 2022.06

Selected for IBK Changong Daejeon

#### 2022.08.02

FDA Registration (Protective / Medical clothing)

#### 2022.10.29

Patent registration: Virus-blocking protective clothing with ventilation comfort and its manufacturing method no.10-2021-0166121

#### 2022.12.16

U-CONNECT Grand Prize by Korea Credit Guarantee Fund

#### 2021.07.20

Patent registration: Protective Clothing no.10-2281925

#### 2021.06.09

Certification of Female-Owned Business No. 0111-2021-17442 by Seoul Regional SMEs and Startups Office

#### 2021.06.07

Chinese Patent Registration: Absorbent Nanofiber Structure Manufacturing Technology #CN 10888617 B

#### 2021.04.01

Selected as leading organization for developing design i ndustry technology

#### 2021.01.15

Change company name to SOFNT Inc.

## 2021

#### 2020.11.12

Technology transfer of Kyungpook University's patents:

- Absorbent nanofiber structure manufacturing technology: 10-1802641 (domestic), US 10,751,222B2 (US), ZL 2017 8 0019235.7 (Chinese)

- Natural compound antibacterial nanofiber manufacturing technology: 10-1296208 (domestic)

#### 2020.11.11

Venture Business Certification

#### 2020.05.21

Corporate-affiliated Research Institute

#### 2020.04.28

Registered Industrial Design Company (Product & Service Design)

#### 2020.04.01

Establishment of SOFCorporation

2020

### INTRODUCTION OF SOFNT

**Company** SOFNT Inc.

CEO/CTO Sula Stella Han | JinHyun Choi

**Foundation** 2020. 04. 01

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**Research Institute** (38412) Room 502-503, 18, Solgubul-gil, Wachon-myeon, Gyeongsan-si,

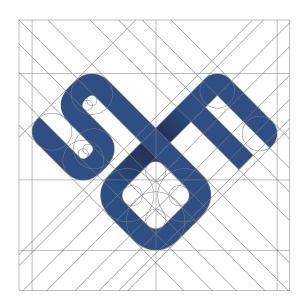
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**Our Brand** 

Functional nanocomposite material (viblotec), product (ATVLO), medical shoes (VLOMFY)

**Symbol Mark** 

SOFNT's logo reflects its future-oriented corporate image along with its innovative technology as a global medical specialist company. The logo and colors, which are composed of one flow, symbolize the image of a global company leaping forward around the world. SOFNT's symbol mark expresses the brand's overall IDENTITY VISION.





#### **TEXTILE**

Using the grid's grid as an oblique line, Express the structure of textile and technology



#### WING

The S and F on both sides of the letter O are expressed like wings, It's going to be global with the trend of the times It symbolizes the hopefulness of SOFNT



#### TECHNOLOGY

It adds a three-dimensional structure to a minimal and simple frame Innovative and forward-looking corporate image

## **Certification and acquisition**

Holds 10 domestic and international patents, 22 design rights, and 47 trademark rights. Obtained FDA certification ISO 900

New report Startup Nest, TIPS, Sobujang Startup 100, IBK Chamgong 4 national R&D projects (Ministry of Trade, Industry and Energy, Ministry of SMEs and Startups)















## **Viblotec** | New materials based on nanofibers

## **Viblotec**

VIBLOTEC is a compound word of VIRUS+BLOCK TECHNOLOGY.

In addition to class 6 level virus protection, it also has breathability that could not be achieved with existing fabrics. Viblotech's technology is special because it simultaneously exhibits the characteristics of existing nanomembranes and absorbency due to the hydrophilization of the hydrophobic-based nanomembrane.

Materials for shoes, functional sports, outdoor, and workwear We manufacture finished shoes and clothing using our own Biblotte material.

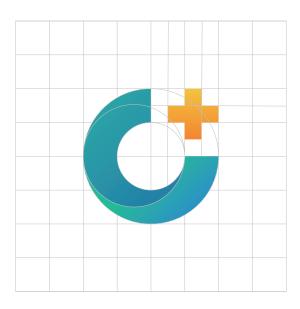
## B.I.

Emblem expresses the brand name in one symbol to implicitly convey the meaning of Viroblock and Technology.

Viblotec's logo is composed of Typeface, Emblem, and Tagline, and key descriptions are expressed in tagline to maximize BRAND IDENTITY.

## "TEXTILE INNOVATION ENGINEERED TO PERFECTION"







#### **MEDICAL/HEALTH**

Symbolizing Medical wear, the "Innovative Orange" color is utilized to expresses the smartness and energy of the brand



#### **PROTECTIVE**

The symbolic "O" alphabet of VIBLOTEC expresses the durability and stability of the brand's products while the "Rejuvenating Aqua" color symbolizes protection and life



#### STYLISH

Wave details are added to express a stylish and trendy brand that appeal to modern working environments

## **Viblotec** | New materials based on nanofibers

"Breathable Nanomembrane" Nano Pores blocks harmful microparticles such as viruses, bacteria, ultrafine dust, pollution, and chemicals. SOFNT's nanofiber composite material, which selectively permeates fluids such as air, water vapor, and water to provide moisture permeability and air permeability at the same time, is highly functional for the next generation It can be said to be a material.

- · Blocking/Deleting Hazardous Substances
- · Moisture permeation, ventilation, inhalation
- · South Korea, China, U.S. Patent Registration

## The world's first selective filtration and permeation performance **Breathable Nanomembrane**

## **Nanocomposite Optimization Stage 4**

- 1 Nanomembrane
- 2 Natural Extract-Polymer Composite
- 3 Eco-friendly adhesive
- 4 Fabric Layer



#### **VIBLO MIA**



Antibacterial Anti-Viral Fine Dust Protection Provides harmless materials to the human body





U.S. EU regulations e-PTFE Alternative Market

Virus



Existing moisture permeation, waterproofing, a wind-resistant focus

Viblotec - M.I.A 07



A biocompatible, non-toxic material suitable for human use























'Forever Chemicals' PFAS-free material







Biodegradable













Breathable & Hydrophilic Nanomembrane

























## **ATVLO | Medical Wear**

## **ATVLO**

PERFORMANCE-ORIENTED EXTREMELY DURABLE
ANTIVIRAL WORKING WEAR FOR HEALTHCARE PROFESSIONALS

With innovative design and meticulous engineering,

ATVLO develops a new style of medical wears that are beyond the realm of traditional uniforms



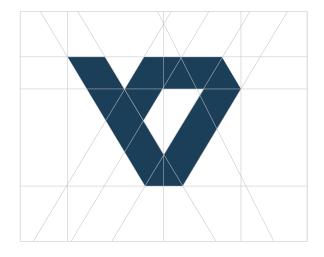
"ALWAYS BE PREPARED!"

"With ATVLO!"

## B.I.

ATVLO's symbol marks represent the brand's overall IDENTITY and VISION.

Using a grid of intersecting lines, we represented the alphabet of each ATVLO in the form of a single symbol. By combining the formative features in a unique way, it embodies a solid and enterprising sophisticated corporate image.





(KOR) www.atvlowear.co.kr/ (EN)www.atvlowear.com/

## **ATVLO | Medical Wear**

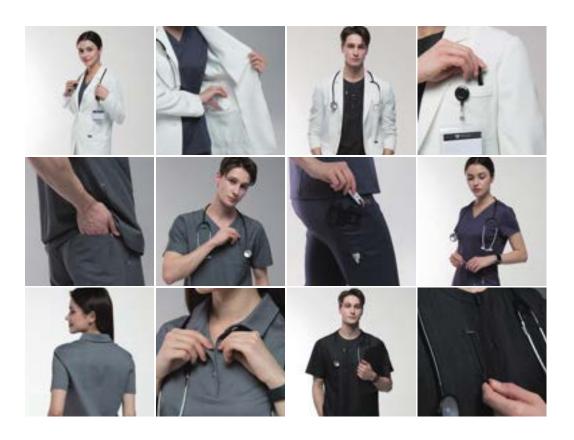
## ATVLO PRIMO

ATVLO's high-end premium line presents a sustainable medical collection using materials incorporating antiviral and antibacterial technology and eco-friendly biodegradable raw materials.

- · Uses eco-friendly biodegradable yarn patented in Germany
- · Minimize allergic and irritant reactions
- · Functional residual rate after washing: 2~21%
- · Excellent UV protection (over 50UPF)
- · Protects skin from harmful UVA and UVB rays that can damage skin cells
- · Demonstrated activation of zinc function
- · Activation of Shinhwa Zinc function: antibacterial and odor removal



# **ATVLO PRIMO**<sup>TM</sup> PREMIUM ANTIVIRAL MEDICAL WEAR



## **ATVLO | Medical Wear**

## ATVLO BASIC

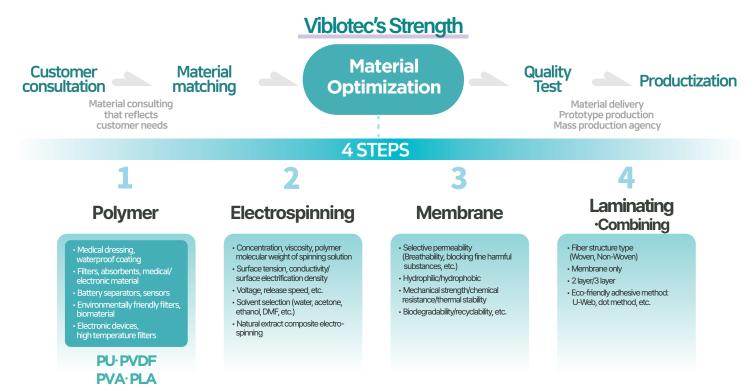
This essential line adds style to comfort, and is made up of products with sturdy, durable materials and technical fit optimized for movement. It is active & comfort medical wear that guarantees freer movement and medical activities.

- · HEALTHACLEAN processing ensures excellent antibacterial activity of 99.9%
- · Contamination prevention (cleaning) function through Tcflon (Deflon) processing
- · Material optimized for sensitive skin using "eco-friendly TENCEL"
- · Anti-static processing minimizes static electricity generation when worn
- · Highly functional sweat absorption and breathability provide a comfortable fit
- · Maintain convenient style with anti-wrinkle processing
- · Excellent stretch provides comfortable movement
- · Provides a comfortable fit with a soft touch

# **ATVLO BASIC™**

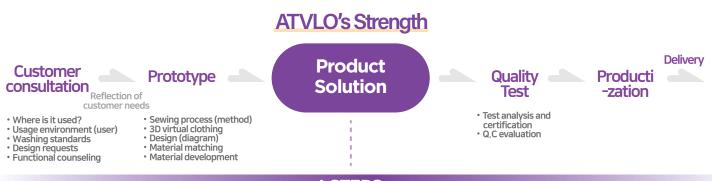


- Medical materials
- Industrial materials
- Apparel material



## **Product Development Service Flow**

- Medical products
- Smart wearables



## 4 STEPS



## Material Development

- Material development
- Customer
- Customized fabric weaving (functionality such as water resistance,
- air permeability, etc.)
- Development of logo jacquard pattern - Development of customized washing
- conditions
   Color custom development

## Ergonomic Pattern

- Pattern design
- Development of ergonomic patterns (utilizing 3D body shape)
- Practical/comfortable pattern structure
- Design of custom patterns to complement body shape

## Customized

Sewing

- Sewing process
- Domestic sewing factory (high quality sewing technology)
- Consistent sewing quality
- Customized sewing method for each item
- (Stitches, auxiliary materials, etc.)
- Utilization of adhesive techniques using markers

## **VLOMFY | Medical Shoes**

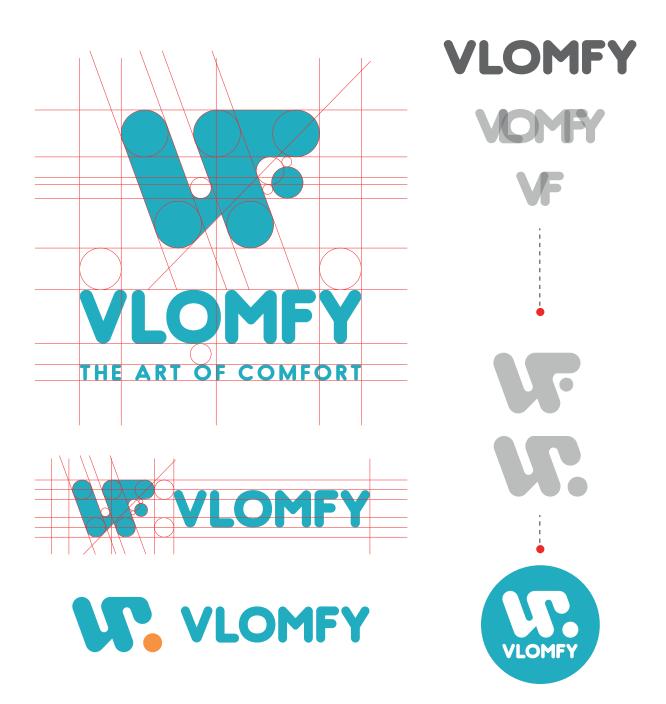
## **VLOMFY**

It is a stylish work shoes & footwear brand that creates comfortable yet sensuous designs.

We propose a healthy and friendly brand image through a flexible and soft logo design.

Based on bright, vibrant colors and a positive, casual, and energetic mood, the stable round symbol expresses comfortable yet excellent product quality and design sensibility at the same time.

## B.I.



## **VLOMFY | Medical Shoes**

## **VLOMFY**

Ergonomic, Planet Friendly, And Truly Comfy Shoes ACTMOS





### **CERTIFICATIONS**



Korea Institute for Advancement of Technology Certified Research Institute



**Venture Business Association** Certified Venture Business



Promotion

Certified Industrial Company



Ministry of SMEs and Startups Certified Material/Parts/Equipment Company



**Korea Credit Guarantee Fund** Selected as Start-up NEST company



**Seoul Regional SMEs & Startup** Office

Certified Female-Owned Business



**Korea Institute of Design Promotion** 

Styletech 5th



Korea Materials, Parts & **Equipment Investment** Institutions Council

Overseas Technology Import



**Ministry of Food and Drug** Safety

Medical Device Manufacturing

# **SOFNT PATENTS**



ISO 9001:2005 Quality Management Systems

FDA Protective Clothing medical clothes

**GRS** ITS-GRS-C-0129036

SOFNT holds key technologies, including a patent for 'the world's first absorbent PU nanofiber manufacturing technology' and 'Korea's first and only protective clothing patent' based on ergonomic pattern technology.

In addition, in order to grow into a global medical tech company, we are continuously developing related technologies and securing patents.

10 domestic and international patents, 22 design rights, 47 trademark rights





# SOFNI

SOFNT Inc.

**EMAIL** 

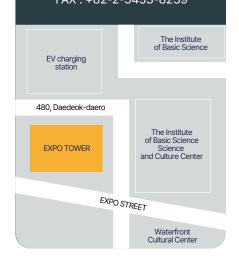
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