



Introduction to **HIMPEL**

Fresh Air Together

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ALL바른 환기가전

Fresh Air Together

HIMPEL

Technology, quality, and design are HIMPEL's mission. We present an eco-friendly and high-efficiency ventilation product that provides a pleasant and healthy ventilation culture. HIMPEL will realize the dream of purifying the world's air.

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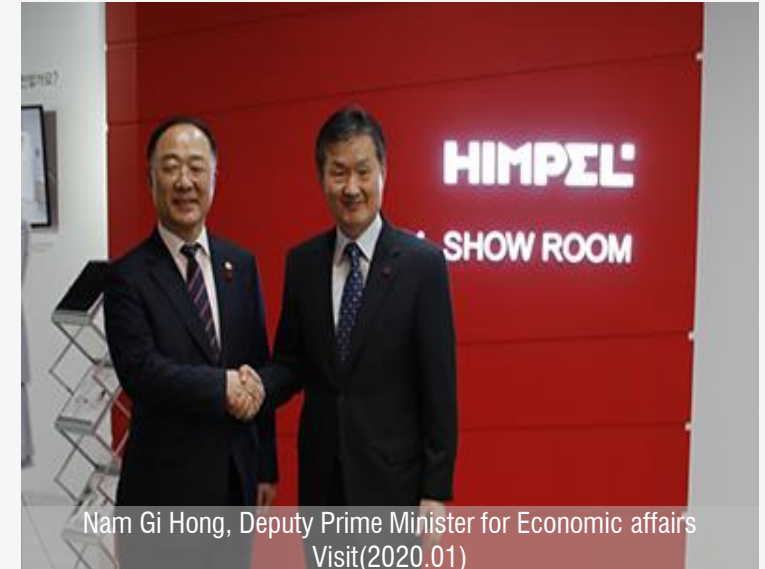
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1. Company Introduction

Fresh Air Together **HIMPEL**



Name
HIMPEL

CEO
Jeonghwan Kim

Employees
192

Date of Establishment
August 14, 1989

Revenue in 2021

USD 75M

Market Share

70% #1 in Korea

Location

(HQ Factory)

**5 Annyeongnam-ro,
Hwasung-si, Geonggi-do**

Main Sales Product

Ventilation System/Ventilation Fan/Range Hoods

Corporate Identity



HIMPEL

Strong and solid style has been applied to CI font to describe unlimited potential of HIMPEL to grow into the world with dynamic energy, passion, and enterprising spirit.

HIM

POWER

Power / Strong, Solid

PEL

IMPELLER

Impeller / Wing

Company History

1989~1999

Establishment

1997.03 Selected as Promising SMEs
1989.08 Established Jindo Precision Chemicals Co., Ltd.

2000~2010

Growth & Development

2010.08 Changed the company name to HIMPEL Co., Ltd.
2005.01 Approval Lab affiliated with company
2004.12 Registration of venture companies
2003.12 ISO 9001 Certified

2011~

New Leap

2020.11 Certified as Green Certification
2020.11 Award from the Minister of Industry at the Korean Green management Awards
2020.11 Award from the Korean National Quality Award
2020.11 Award from the Grand Prize in the 2020 Best Brand ERV Category Selected by Consumers
2019.12 The First Zero Energy Factory in Korea
2019.12 Export Tower Award by the Korea International Trade Association
2019.10 Industrial Technology Promotion Association(KOITA) Government Award Presidential Award

Mission

“We contribute to human health through air solution and energy technology.”

IAQ Professional

- IAQ R&D Center operation
- Performed various national projects
- Continuous development of future products

Energy Technology

- 42 patents and utility models
- 47 trademarks and design registrations
- R&D investment ratio 5%

Human Health

- Leading development and distribution of ventilation products
- R&D researchers training

Zero Energy New Factory Completed

Zero Energy Factory

"First Zero Energy Factory in Korea"

Passive design technology, high-efficiency facility technology, building energy efficiency ratio of 1++ Energy independence rate 28.25%, certified as zero energy building

(January 2020)

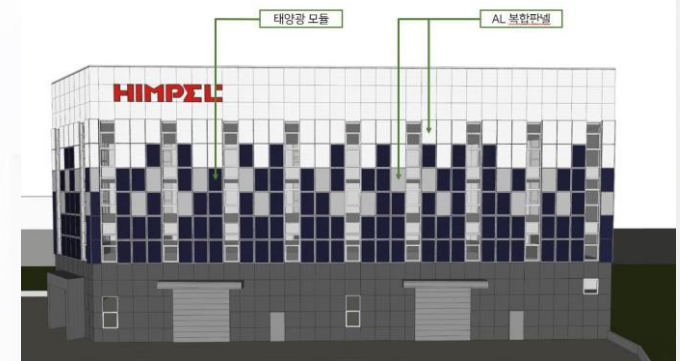
■ **Location** 5, Annyeongnamro, Hwasung-si, Geonggi-do

■ Background

- ① Considering **the pleasant indoor environment and energy efficiency, the new design improves the working environment of workers by design** compared to the domestic factory buildings, which put production facilities and processes first.
- ② The need for domestic fine dust reduction and winter heating energy consumption reduction is emphasized through national projects; **therefore, securing energy independence through the use of new and renewable energy and mandatory application of zero energy buildings by 2025 is introduced**

■ Building Design Concept

- ① **Visualization of the rise of fresh air**
- ② Represents the will of "HIMPEL heat exchanger produced with **clean energy** not only **contributes to human health by providing fresh air inside the building**, but **also improves the sustainable urban environment as a leader in green house gas reduction**"



Floor plan of solar power panels installed on walls

Patent and Certification



- 172 Patent and utility model
- 47 Design registration
- 14 Trademark registration

- 16 Constant air volume certification
- KS certification
- Green technology certification

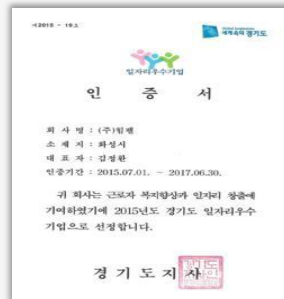
- SNI certification
- Lab affiliated company
- Best companies for jobs



Patent



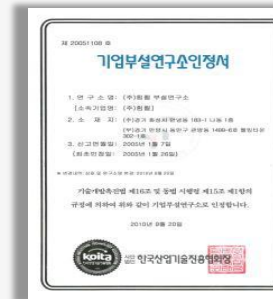
INNI-BIZ



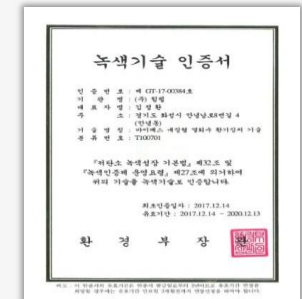
Best companies for jobs



Promising SMEs



Lab affiliated company



Green technology



Utility models



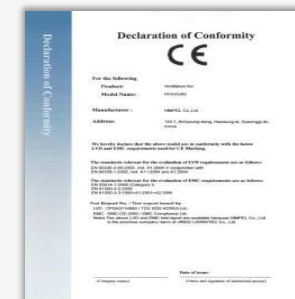
Utility models



Design registration



Constant air volume certification



CE



ISO

Awards

1989 ~ ing

Trustworthy company recognized by external organizations since its establishment, HIMPEL

2019



Presidential Award
KOITA

2020



Grand Prize
Best Brand Award Selected by
Consumers

2020



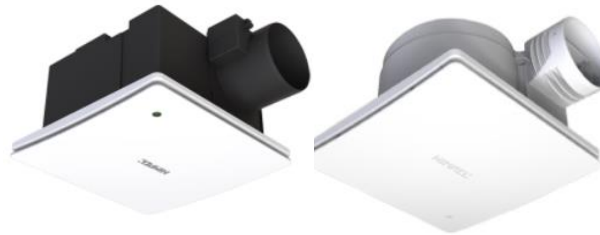
Award from the Minister of
Industry
Korea Green Management
Award

HIMPEL ventilator technology boasts 34 years of history



Cyclone Flrex TURBO747

1st generation low/medium static pressure fan



ZEROC

2nd generation constant air volume/high static pressure fan



ZEROC P

3rd generation
bathroom ventilation

- ✓ Humidity automatic driven
- ✓ Low noise level and low power consumption
- ✓ 10 levels of air volume control
- ✓ Wireless remote control

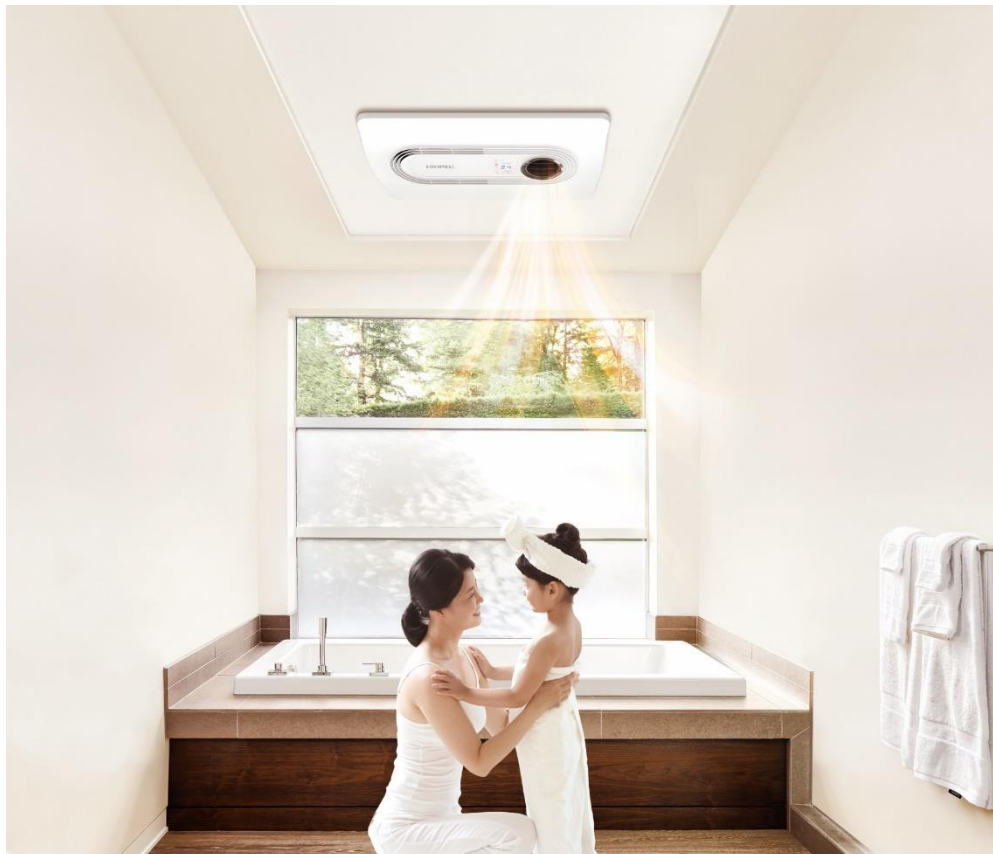
3. Products : New Paradigm of A Consolidated Ventilators

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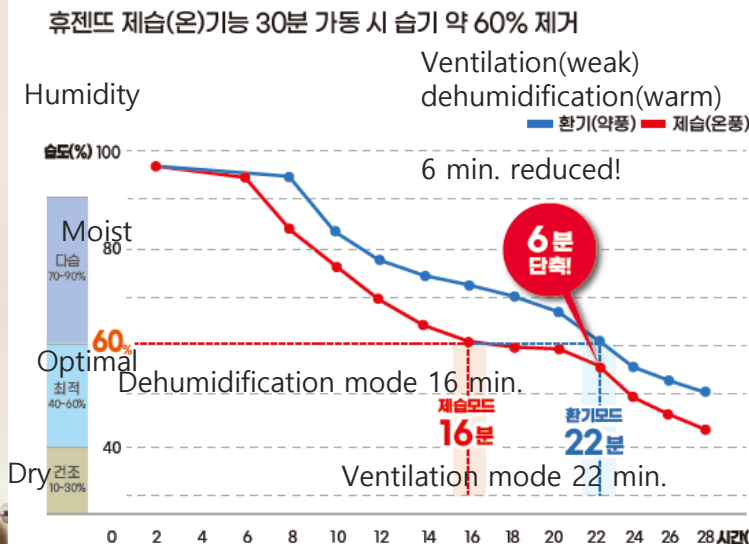
We created a new paradigm for bathroom ventilation.



Huezentte



60% of moisture is removed when Huezentte dehumidification(warm) function is turned on



Huezentte dehumidification optimal mode

Dehumidification(warm)

Ventilation(strong)

Ventilation(middle)

청정하고 쾌적한 습도 유지

- 다습 공황이 및 세균 증식 불쾌감
- 쾌적습도 편안한 호흡기, 촉촉한 피부 등 건강한 실내 습도
- 건조 비염, 아토피, 피부건조 등

* 습도 제거 자체실험: 1대 욕실 가동상태 / 1대 샤워부스 문닫음, 미가동상태

Maintains fresh and pleasant humidity

Moist condition: mold and bacterial growth, discomfort

Optimal humidity: healthy indoor humidity such as comfortable respiratory system and moist skin

Dry condition: rhinitis atopic skin, dry skin, etc.

*dehumidification self-experiment: 1 operating in bathroom / 1 in the closed shower booth, unoperated state



쾌적한
환기

Pleasant
ventilation



따뜻한
온풍

Warm wind



보송보송
제습/건조

Pleasant
dehumidification/dry



헤어 & 바디
드라이

Hair & Body dry

The quality of bathroom life has been improved from design to product technology. **12**

3. Products : Eco-Friendly Ventilation Systems

The Ministry of Land, Infrastructure and Transport established a new law in 2006: this case in Korea.

[Rules for building facility standards]

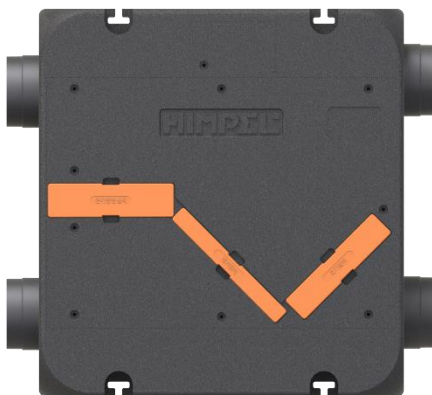
~~ Mandatory installation of mechanical ventilation facilities for new apartments with more than 100 households ~~

Starting from April 2020, it will be expanded to multi-use facilities such as **apartment houses with more than 30 households**, residential and commercial complexes, elderly care facilities, children's play facilities, and movie theaters

It's fresh all over the house, even without opening the window

Ceiling ventilation system provides fresh air

Hueven



Cassette-type ventilation system

High-density air, high insulation: modern building issues



Ventilation system - must era

✓ Saves heating and cooling energy loss

✓ Removes pollutants such as CO₂, droplets

✓ Provides fresh air



Ventilation is now a problem of "life or death"



3. Products : Vertical Energy Recovery Ventilators

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The era of COVID-19, reduces mass infection

Ventilation system that reduces mass infection in multi-use facilities by 90%

Hueven S



Ventilation(heat exchange)

Contaminated air discharged, outdoor air purified before flowing in



UV(A, C) Sterilization System
More safe and effective
sterilization compared to
plasma technology



Recommended Installation Places



Religious facilities
School/Day care center
Auditorium/Gym
Office/Call center
Restaurant/Commercial
facilities
Café/Study Café

3. Products : Range Hood

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Hueleo 2

A model is integrated a hood part with a motor-propeller part

(easy to install)



Hueleo 1

A detachable model is separately installed a hood part and a motor-propeller part

(hard to install but less noise)

Social Contribution

“HIMPEL Good Air Campaign” : Hwasung daycare center, Suwon Technical High School, Seoul welfare sharing – donated ventilation purifier



Neighborhood Love Donation



Specialized High School Human Resources Training Project



Hwasung Filial Duty Marathon Competition

5. HIMPEL Products on the Fields



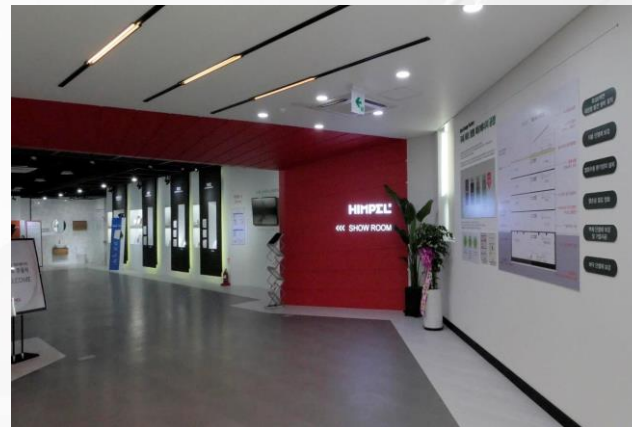
5. HIMPEL Products on the Fields



5. HIMPEL Products on the Fields



Showroom on the 2 Floor



Thank You.
