

Global Chemical Materials Specialist  
**HWASEUNG Material**



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# Hwaseung Material is a leading, global high-tech materials producer



Operating in diverse areas of business including CMBs (carbon master batches), TPE (Thermoprene), defense, marine industry equipment and new materials, Hwaseung Material is cementing our position as South Korea's leading rubber producer. We also provide top-quality technologies and products whose excellence is internationally recognized thanks to our own development of varied compounds through continuous R&D. In addition, drawing not only on our expertise in automobiles and various other industrial products, but also on core technologies, we are expanding our business into new areas with a forward-thinking mindset, including new high-functionality materials.



## HISTORY

### 1970s~1990s

**September, 1978**  
Established Dong Yang  
Chemical Co., Ltd.

**January, 1996**  
Established Hwaseung  
Material Co., Ltd.

### 2000s~

**March, 2004**  
Acquired ISO 9000:9001 certification

**March, 2005**  
Opened Plant 2 and a new production line

**February, 2006**  
Opened our affiliated technology research center  
Acquired the SQ mark  
(for Hyundai-Kia Automotive Group)  
Opened our Chinese production plant  
Hwaseung Special Rubber (Taicang) Co., Ltd.

**July, 2007**  
Opened our Indian production plant  
Hwaseung Material India Private Ltd.

**December, 2009**  
Acquired ISO/TS 16949 2009 certification

### 2010s~

**December, 2010**  
Opened the new production line Mixer Line 4

**June, 2012**  
Opened Plant 3 and the new production line  
270L B/B Mixer Line 5

**January, 2015**  
Acquired a defense business and starts a new  
materials business.

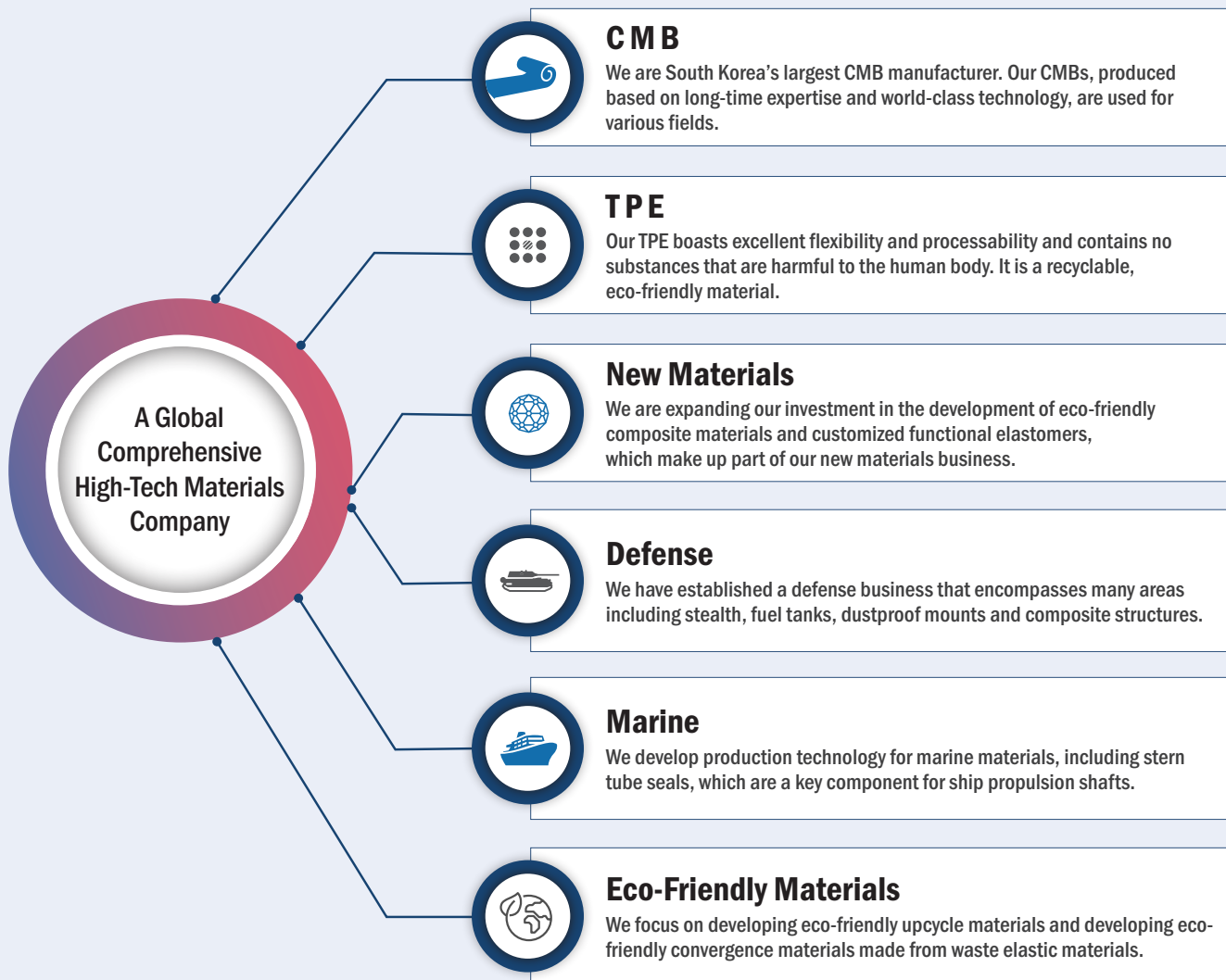
**January, 2017**  
Acquired an offshore business

**September, 2017**  
Started the operation of our Myeongnye plant

**January, 2018**  
Transitioned to IATF 16949:2016 certification

**August, 2018**  
Opened our flagship office in Vietnam

**December, 2018**  
Acquired ISO 14001/45001 certification



**No.1**  
in the South Korean  
Compounds Market

**1**

**No.2**  
in the Global  
Compounds Market

**2**

## Challenging Worldwide

Hwaseung Materials is currently establishing a global production system based on production capabilities that have earned us the No.1 market share in the South Korean materials market.

To that end, not only are we building a stable infrastructure that will enable global sourcing for us.

We are also strengthening our overseas network and continuously investing in R&D to develop production technology for next-generation materials. As such, we are growing into a global materials company.





## HSR

Hwaseung Special Rubber(Taicang)Co., Ltd.



HSR was established in order to expand our network in each Chinese region in which we operate, including Chongqing, Guangzhou, Shanghai, and Qingdao, and also to strengthen our sales network. We are currently expanding sales operations through the diversification of sales sources and through continuous technology exchange with the world's leading manufacturers, such as Hutchinson and Nichirin.

- **Date of founding** : February, 2006
- **Location** : Taichang City, Jiangsu Province, China
- **Annual sales** : 59 billion KRW (as of 2019)
- **Primary clients**: HST/HSB/China's Nichirin/Eunhreoksung, etc.

## HSMI

Hwaseung Material India Private Ltd.



HSMI maximizes our brand value in India and is establishing itself as a materials company in the global product market. HSMI is committed to expanding our sales by increasing exports particularly to the Middle East, such as Dubai.

- **Date of founding** : July, 2007
- **Location** : Chennai, India
- **Annual sales** : 44 billion KRW (as of 2019)
- **Primary clients**: HSI / Dong-A India / Pyeonghwa India, etc.

## Myeongnye Plant

Hwaseung Material's Myeongnye Plant



Established in 2017 in Myeongnye Industrial Complex located Gijang-gun, Busan, South Korea, our plant is engaged in expanding our materials business into new, non-automotive areas. In particular, the plant is used as a production base for products associated with the defense and marine industries, as well as TPE, a composite material of rubber and plastic.

- **Date of founding** : October, 2017
- **Location** : Myeongnye-ri, Jangan-eup, Gijang-gun, Busan, South Korea
- **Product** : TPE / Defense and Marine Businesses

## Vietnam Sales Subsidiary

Hwaseung Material Vietnam Co., LTD.



Our Vietnamese sales subsidiary, Hwaseung Material Vietnam Co.,LTD., serves as an overseas sales base by conducting market research, establishing marketing strategies, and discovering new clients with an aim to increase our sales in Southeast Asia.

- **Date of founding** : 2018
- **Location** : Hai Bà Trưng, Hanoi, Vietnam
- **Primary clients**: Hutchinson Vina / Giải phóng / EIWO

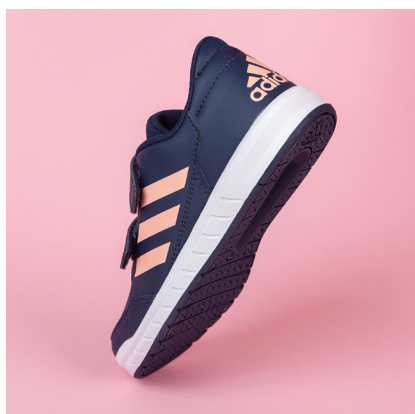


CMB

We, Hwaseung Materials, are South Korea's largest CMB manufacturer and we promise our clients the best in value and the best product quality.

Our CMB rubber is produced using various combinations of the base material rubber and other materials. It is chiefly used as a raw material for a wide variety of rubber-based products, including automobile parts and industrial products.

- **High quality**  
No.1 in South Korean market share
- **Uniform quality**  
Quality innovation achieved through optimal blending technology
- Various products produced for different uses and different functional needs
- Advanced production technology and rigorous testing procedures





Dynamic Vulcanized Elastomer

# THERMOPRENE™

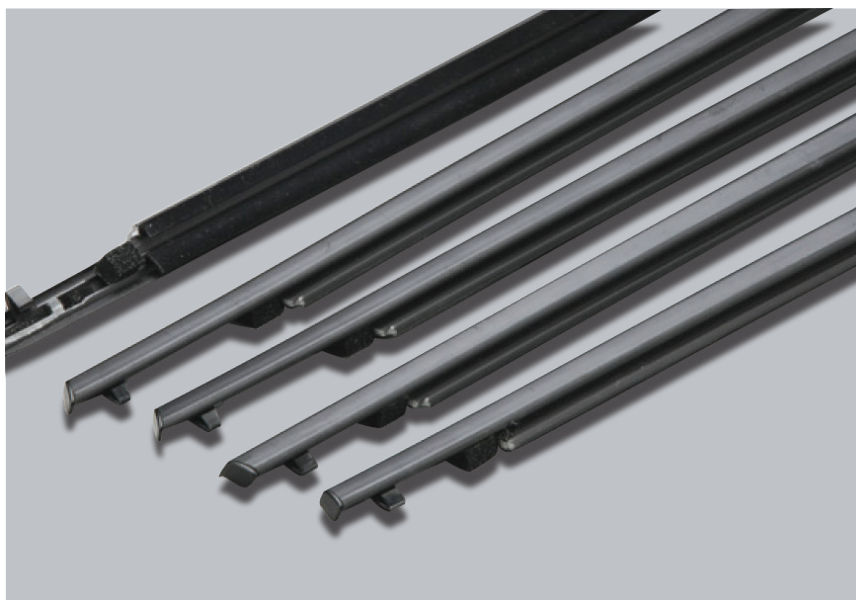
# H<sup>YPER</sup>PRENE

**Our TPE brand is an eco-friendly, future-oriented new material that boasts excellent quality and processability.**

Our TPE is expanding its range of applications from automobiles — its existing field of application — to electric vehicles and hydrogen vehicles, and as for the field of industrial products, it is currently applied to a wide range of products from buildings and home appliances to medical supplies.

## TPE

- Eco-friendly (recyclable)
- Gaining the spotlight as a substitute for PVC and rubber
- Lightweight and excellent moldability
- Excellent in weather resistance, chemical resistance, ozone resistance, etc.

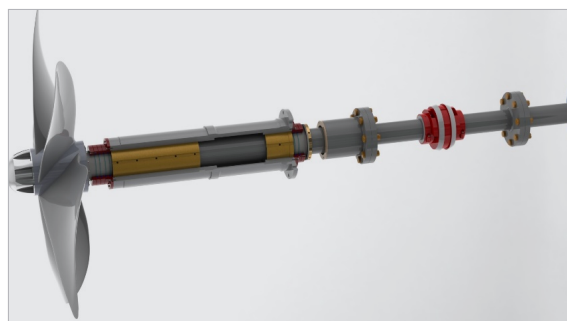
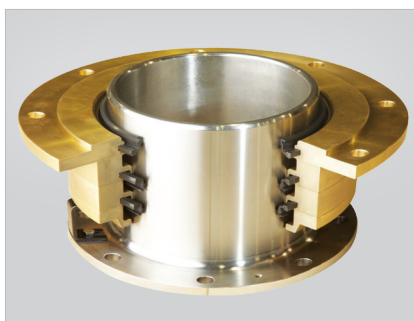
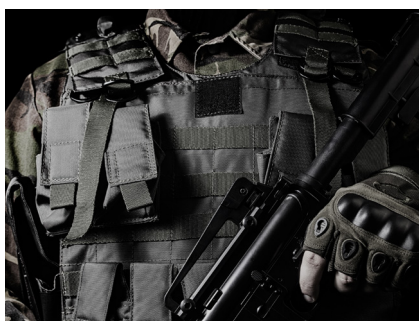
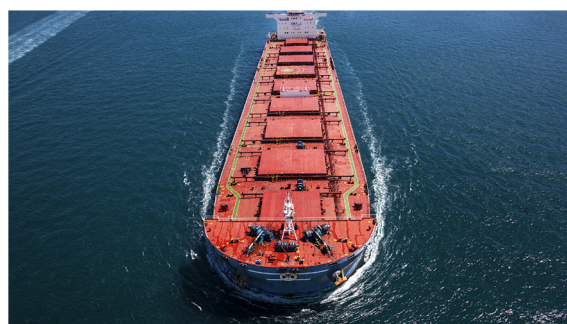


# Defense and Marine Businesses

We are focused on developing materials for parts and components through continuous research with the aim of becoming a future leader in the defense and marine industries.

## Specialty

- Aerospace, stealth, seals and special-purpose products
- Development of advanced new materials through cooperation with research institutes
- Focus on R&D for achievement of technological independence
- Research on special materials, such as bulletproof materials and materials used to lighten helicopters





# Future New Materials Business

## New Material Business

We take one step ahead of others through the production of future-oriented, new materials that are not only high in quality and easy to process, but also take the environment into consideration.

- New and renewable energy business (electricity, eco-friendly and bio)
- Upcycling materials
- Silicone material business
- Materials that conform to TVOC criteria



# A Company That Gives 'Value' to Its Clients

A one-stop service that goes beyond simply reducing clients' material costs and satisfies all client needs by providing technical services in all areas, from material combination solutions to process optimization.







## CMB XENOMER

We run with  
world-famous cars



## TPE Hydrolytic Stabilized Elastomer THERMOPRENE™ HYPERPRENE

We are committed to  
producing new materials  
and achieving eco-  
friendliness faster than  
any other company.



## Marine Business

We make our global  
partners stand out.



## Defense Business

We protect the safety of  
South Korea with solid  
technology.

## The job was absolutely necessary, had to be done by someone

We, Hwaseung Materials, have been devoted exclusively to  
materials science for the past few decades.

As South Korea's largest CMB producer, we have also been  
taking the lead in the development of eco-friendly high-  
tech materials.

We are raising the prestige of South Korea's materials  
science in core technology fields around the world,  
including the marine industry where a high level of  
expertise is required, the defense industry where research  
and cooperation are vital, and the future car industry  
for which we develop eco-friendly materials capable of  
reducing the weight of cars.

The standard for  
future materials science

## HWASEUNG Material

- < In 2019, we developed South Korea's first-ever ultra-low specific gravity foam rubber material for automobiles
- < Through application of high-foaming cell control technology to TPV, we have developed a low specific gravity material that reduces the weight of products made with it by 30%.



**HWASEUNG Material**



## **HWASEUNG Material**

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### **Hwaseung Material Myeongnye Plant**

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### **HSR**

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### **HSMI**

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