

Hanwha's Partnership with Germany



Hanwha is South Korea's seventh-largest business group, with innovative businesses in the areas of clean energy & ocean solutions, aerospace & mechatronics, finance, and retail & services.

Founded
in 1952

72 years

Business
enterprise in
South Korea

7th

Total asset basis,
as of 2023

Domestic
affiliates

As of 2024

123

Total
sales

As of 2024

65 B

USD

Global
networks

As of 2024

821

Ranking on
Fortune
Global 500

in 2024

372

Business Pillars

Hanwha Group has four business pillars from Aerospace & Mechatronics, Clean Energy & Ocean Solutions, Finance, and Retail & Service. Based on “Trust and Loyalty”, we believe in the sustainable growth for tomorrow to enhance our core value of “Challenge, Dedication and Integrity” for our customers.



Aerospace & Defence

- Hanwha Corporation
- Hanwha Aerospace
- Hanwha Systems
- Hanwha Vision
- Hanwha Precision Machinery
- Hanwha Momentum
- Hanwha Robotics



Clean Energy & Ocean Solutions

- Hanwha Solutions
- Hanwha Ocean
- Hanwha Energy
- Hanwha Impact
- Hanwha Power Systems
- Hanwha Total Energies Petrochemical
- Hanwha Engine
- Hanwha Advanced Materials
- YEOCHUN NCC



Finance

- Hanwha Life
- Hanwha General Insurance
- Hanwha Asset Management
- Hanwha Investment & Securities
- Hanwha Savings Bank
- Hanwha Life Financial Service
- Carrot General Insurance



Retail & Service

- Hanwha Hotels & Resorts
- Hanwha Galleria
- Hanwha Connect

Hanwha's Longstanding Presence in Germany

Do you know.....

Hanwha has had a presence in Germany **for over 40 years.**

1980


Hanwha Europe

Frankfurt



2012



Thalheim



2014-2017

 Hanwha Vision

 Hanwha |  TOTAL

 Hanwha
Advanced Materials

Frankfurt



2022

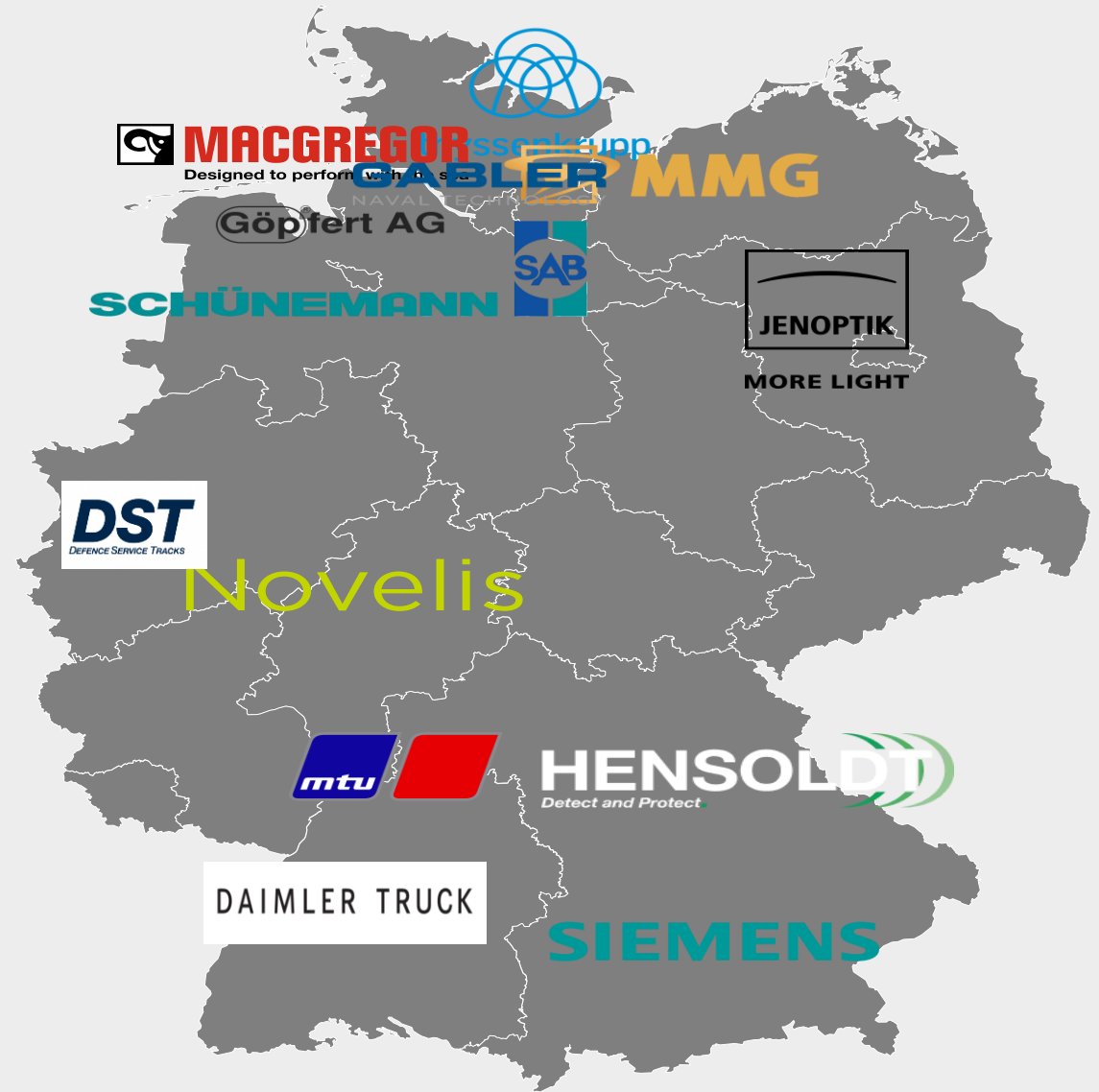


Berlin



Existing Supply Chain in Germany

Hanwha maintains strong, long-term partnerships with **more than 60 German suppliers** across the defence, commercial shipbuilding, and plant sectors. Hanwha makes annual purchases of approximately **€100 million** from its German suppliers and now aims to expand its supply chain to reinforce our business



Defence Business Overview

Trusted Partner

Trust and partnership are the driving forces behind Hanwha's growth.



29 May 2023

Inside South Korea's race to become one of the world's biggest arms dealers



The Washington Post

23 December 2022

South Korea ramps up arms exports in goal to become world supplier



17 September 2022

Poland inks deal for FA-50 light attack aircraft from South Korea

DefenseNews

FlightGlobal

10 November 2023

Hanwha Aerospace moves engine business to Connecticut and seeks closer ties with Pratt and GE



International Business Records

Hanwha stands ready to support Germany's defence capabilities with battlefield-proven technology and globally trusted products.



Türkiye
K9 SPH 2001



Poland
K9 SPH 2014, 2022
Chunmoo MRLS 2022
F404 engine ASSY 2022
T/FA-50 components 2022



Norway
K9 SPH 2017
K10 ARV 2017



Finland
K9 SPH 2017



Estonia
K9 SPH 2018



UK
MCS 2023
R-R Trent engine parts
2005 (Commercial)



Germany
MTU engine parts 2005



Romania
K9 SPH 2024
MCS 2024



Senegal
F404 engine 2022
T/FA-50 components 2022

Middle East

F404 engine ASSY 2014
T/FA-50 components 2014

Chunmoo MRLS 2018, 2022
M-SAM 2022, 2024

K9 SPH 2022
K10 ARV 2022
K11 FDCV 2022



India
K9 SPH 2017



Malaysia
K200 APC 1993
F404 engine ASSY 2022
T/FA-50 components 2022



Australia
K9 SPH 2021
K10 ARV 2021
Redback IFV 2023



Vietnam
APC 2015



Indonesia
APC 2001, 2009
F404 engine ASSY 2022
T/FA-50 components 2022



USA
MUM-FCT 2023
F100 engine ASSY 1998~
F404 engine ASSY 2008~
GTF RSP with P&W
2015 (Commercial)
GE LEAP engine parts
2016 (Commercial)



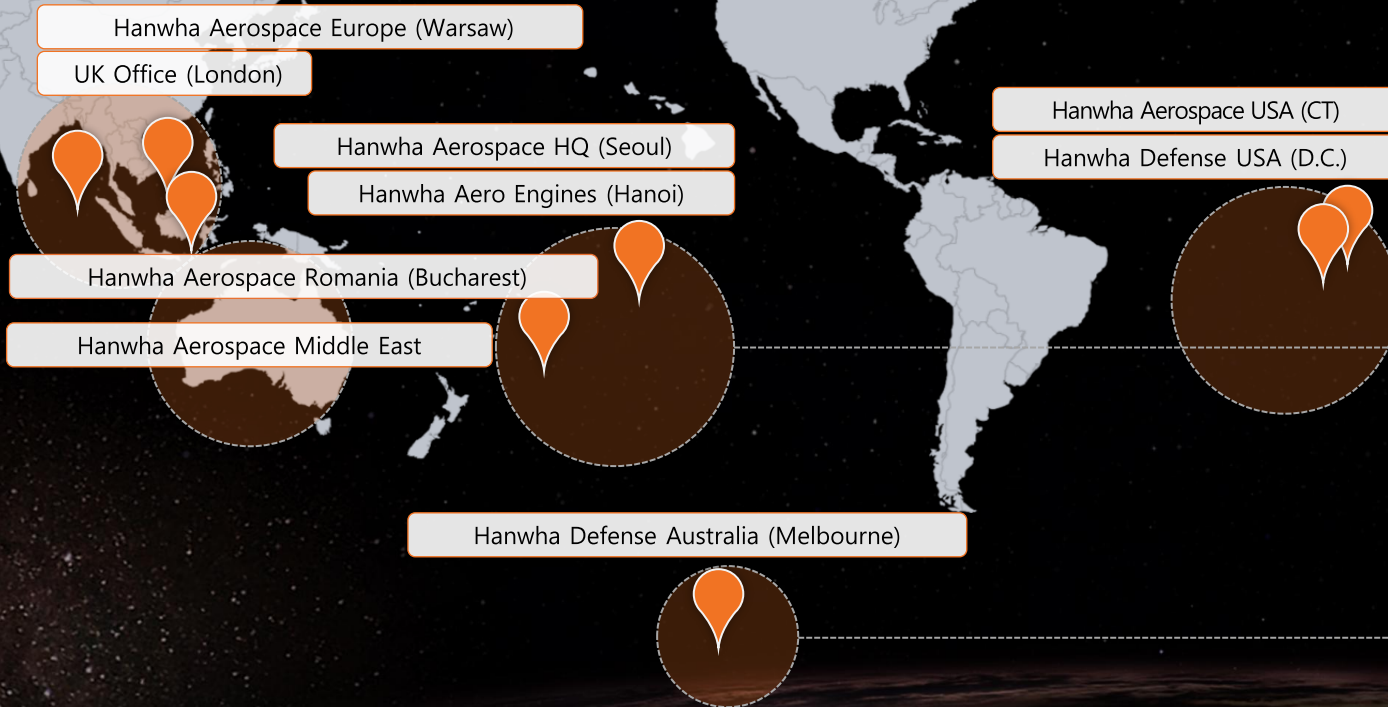
Colombia
Haeseong(Sea-Star) 2013



The Philippines
KAAV 2016

Global Operation in Defence & Aero.

Hanwha's strength lies in its ability to **work harmoniously with diverse cultures and people.**



Civil Aero Engine Parts



Future Land Systems



Civil Aero Engine Parts



K9 Thunder SPH Redback IFV



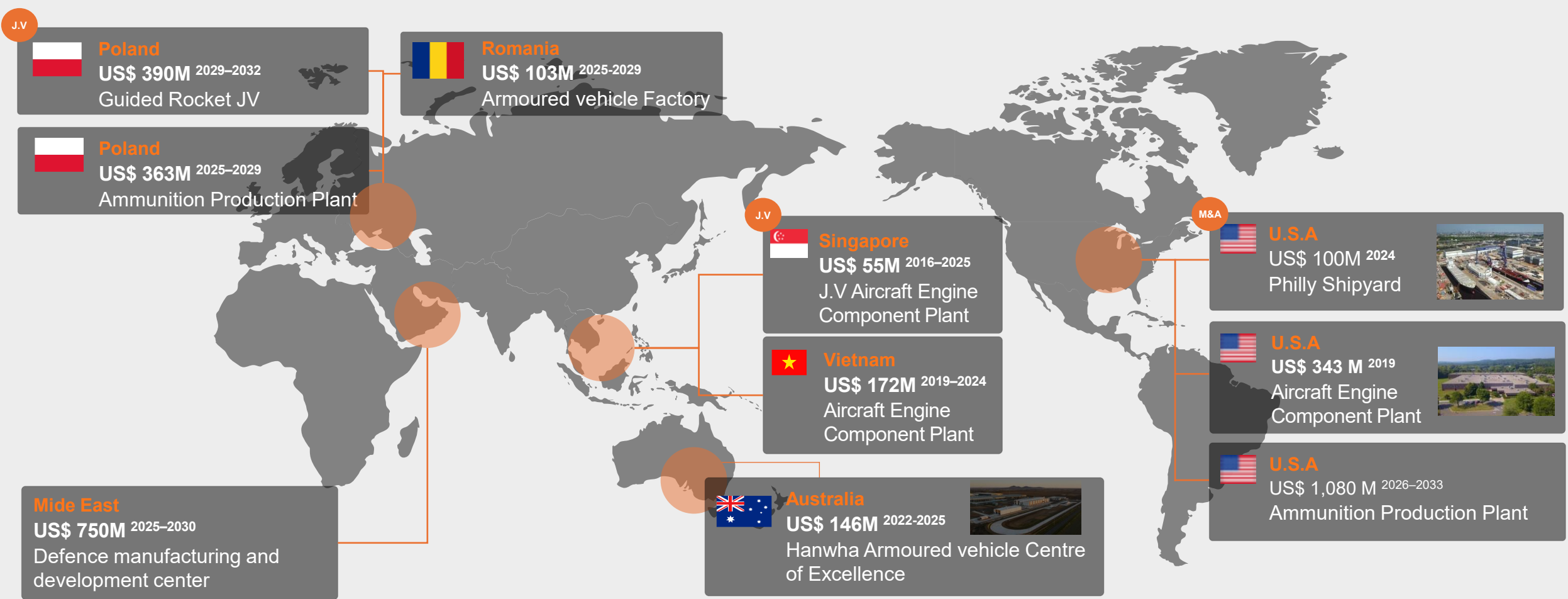
Engage with Customers (K9 User Club)



Hanwha's Vision for Germany

Global Investment Snapshot

Hanwha has invested **US\$7.6 billion** over the past five years and plans to invest an additional **US\$21.18 billion** over the next five years, including equity investments. Leveraging its global investment experience, **Hanwha aims to drive the next phase of growth in Germany through investments and job creation.**



Elevating the German-South Korean Partnership to the next level

- **Shared commitment to** democratic values, norms, and a free, fair, and rules-based trade order
- **Democratic values** under threat from common adversaries
- A pivotal opportunity to **strengthen South Korea–EU security cooperation**, including crisis management and joint military operations
- The history and **strategic importance of German–Korean economic relations**

Führungsverantwortung braucht Fähigkeit – mit Hanwha



Why Hanwha for Germany?

- Germany's leadership in European security requires proven capabilities and fast, reliable execution. Hanwha stands ready to be that partner.
 - Combat-ready production capacity with full NATO interoperability.
 - Fully lifecycle capability — from development to production and sustainment.
 - Local partnership with high industrial value.

Why Germany for Hanwha?

- Germany offers more than industrial strength—it brings together world-class engineering, a highly skilled workforce, and a government fully committed to defense modernisation.
- By combining Hanwha's proven capabilities with Germany's strategic vision and execution leadership, we aim to co-develop defence systems that serve not just Germany, but all of Europe.

Timing is everything

- The security crisis persists. For 70 years, South Korea has stood firm on the front line, with Hanwha playing a pivotal role.
- It is anticipated that many nations will urgently modernise key sectors—artillery, air defence, and ISR. This requires strengthening sovereign industries, boosting supply chain resilience, and diversifying markets.
- Hanwha has a long tradition of being one-step ahead of future threats. Together with German industry, we are taking proactive action to support Germany in staying one step ahead of its adversaries and threats.

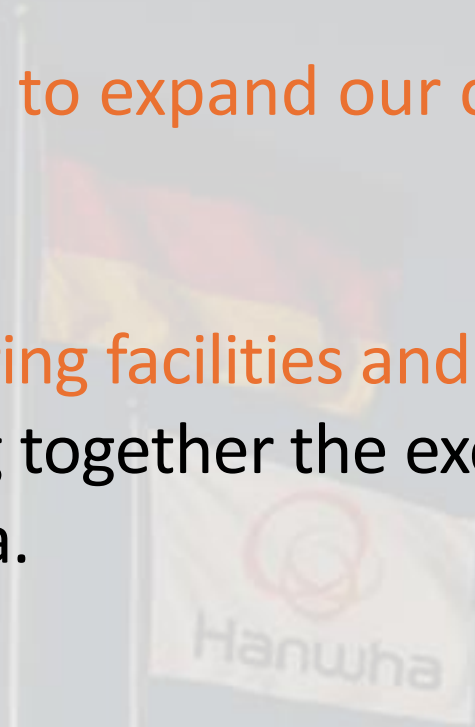


Strategic Investment Plan

- **Strategic investment in Germany's industry** includes approximately EUR 0 billion invested, creating 0000 direct and indirect jobs and generating annual revenues of EUR 0 billion.
- **Localised production and R&D infrastructure** is being established through a German production hub with integrated R&D capabilities to serve both domestic and European markets.
- **Long-term industrial cooperation with German partners** focuses on technology transfer, co-development, and collaboration with local SMEs and top-tier players.

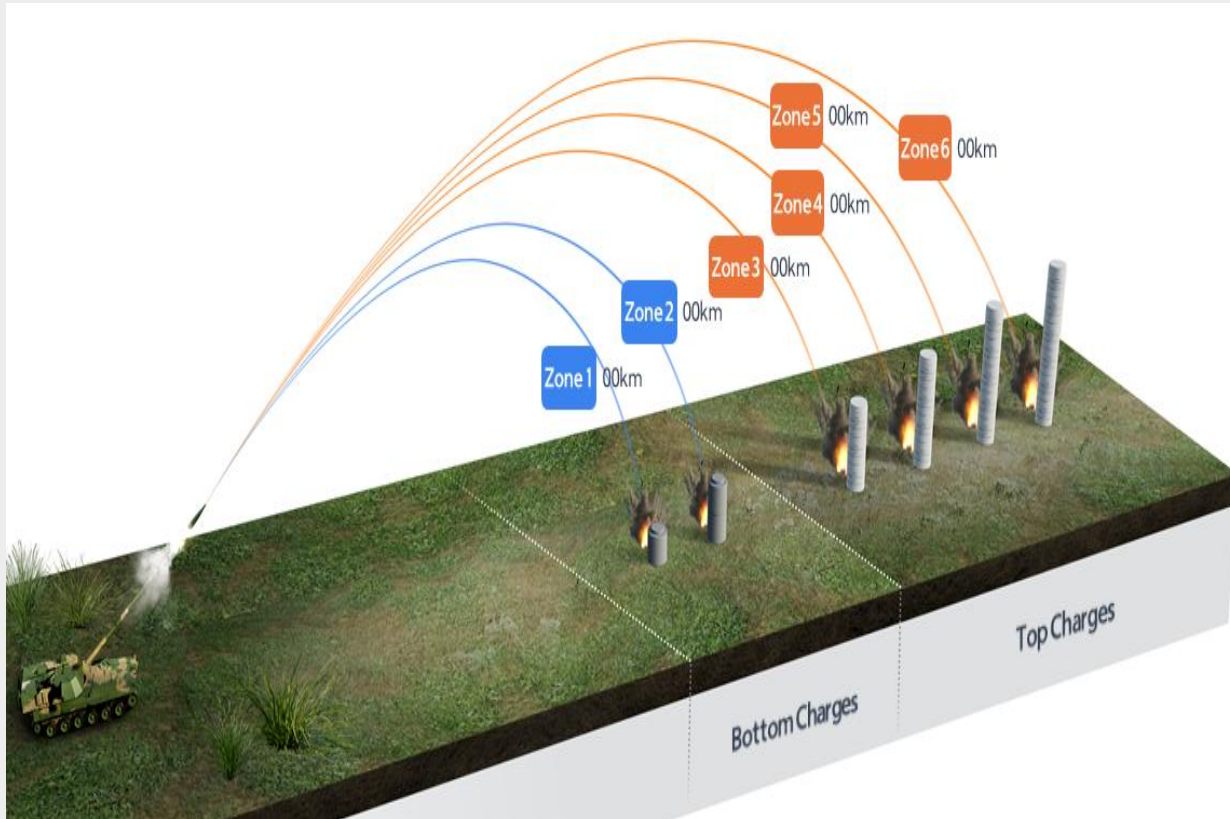
Hanwha's Vision in Germany

- We focus on creating and strengthening trusted long-term partnerships in Germany over short-term engagement.
- Beyond missiles and ammunition, we seek to expand our collaboration into aviation, space, and maritime sectors.
- We plan to establish large-scale manufacturing facilities and advanced industrial R&D centres in Germany, bringing together the exceptional talent and technology of Germany and Korea.



Key Products Introduction

Modular Charge System (MCS)



| Value Proposition

- JBMoU-Validated propellant using NATO standards
- ESH-complaint
- Automated and smart production systems
- EU proven high-quality propellant

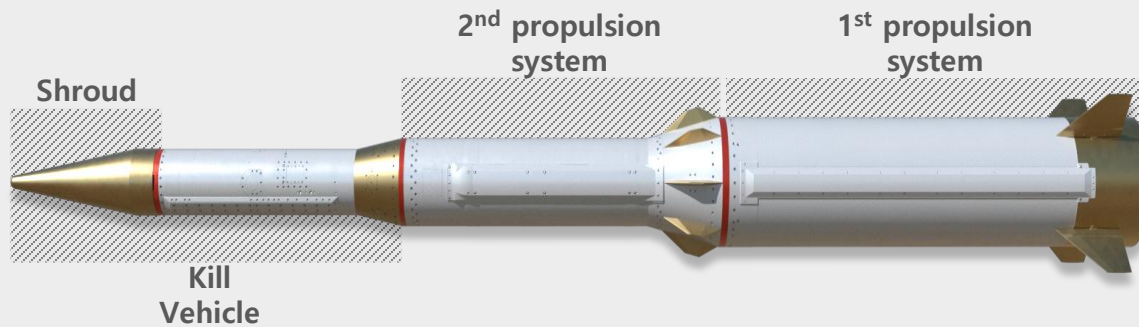
Chunmoo (Rocket Artillery Systems)



| Value Proposition

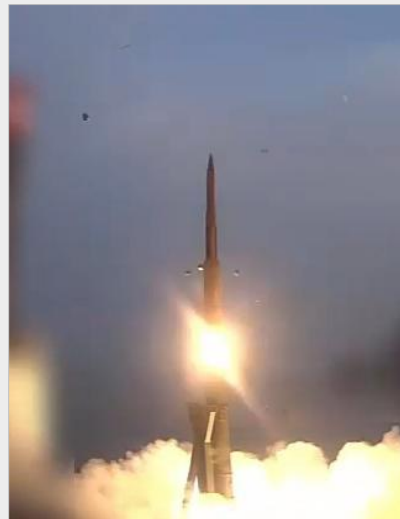
- Combat-optimised Multi-Munition Platform, ASBM, Loitering Munitions, etc.
- Interoperability / NATO complaint platform
- Full range of engagement distances: 80-500km
- Timely Delivery
- Advancing Capability (Anti-Jamming)
- Expandability (ASBM, Loitering Munitions etc.)

Long-range Surface-to-Air Missile (L-SAM)

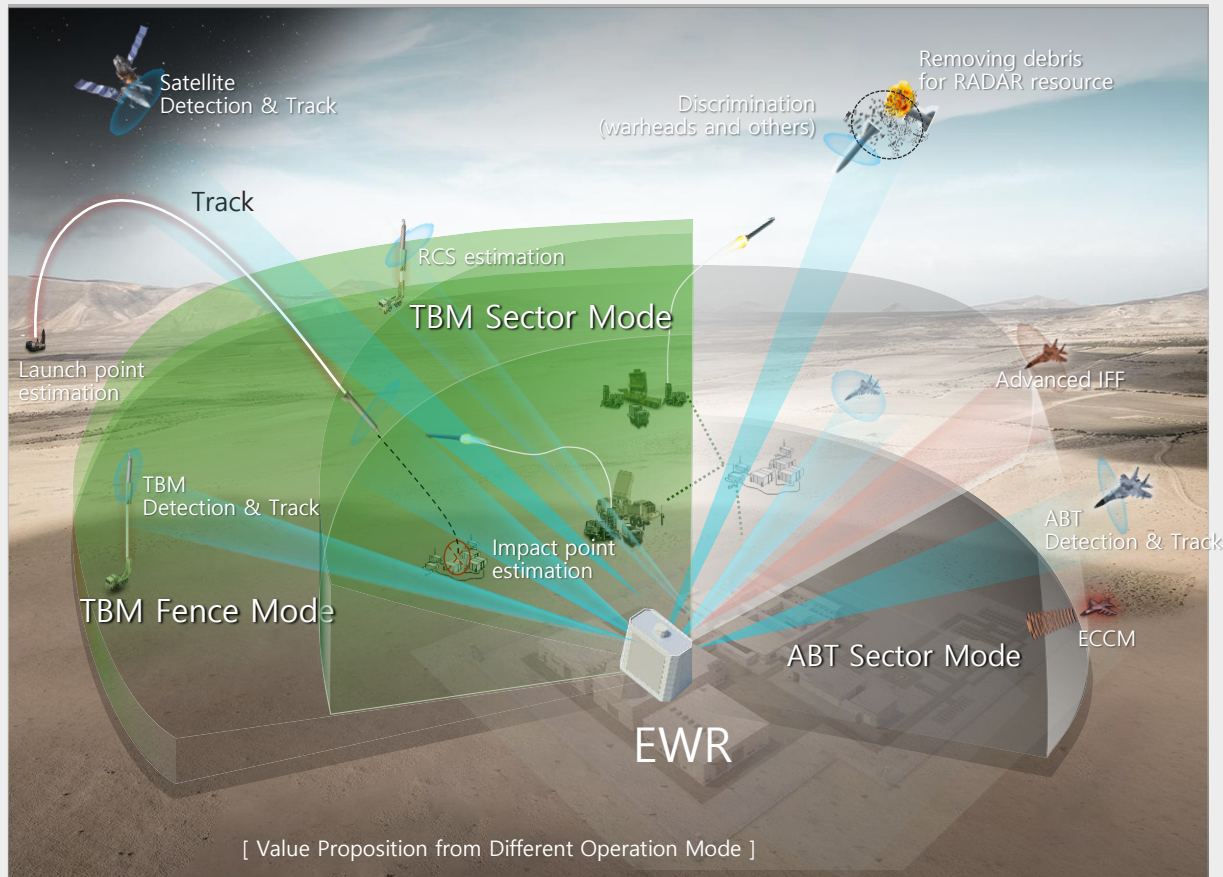


| Value Proposition

- High Altitude Tactical Ballistic Missile Defence
- Hit-to-kill Interception of High Altitude Threats
- Timely Delivery
- Europeanisation
- Advancing Capability



Early Warning Radar and Electronics



| Value Proposition

- Full Tracking Capability
- Multi-Purpose Detection
- Optimised Operational Capability
- Interoperability
- Rapid Delivery
- Europeanisation
- Optimized MRO

Vendor Registration Process

STEP 1. Submission of Registration Documents(by Vendor)

- Vendor Registration Form (including general information)
- Certificate of Incorporation / Company Register Extract (Handelsregisterauszug)
- Notice of Bank Account & Official Bank Letter stating bank account details
- Company Catalogue
- D&B Report (for creditworthiness verification)
- Work Reference List
- Certificates (e.g., ISO9001, etc.)

STEP 2. Vendor Evaluation(by Hanwha)

- Assessment of submitted documents
- For manufacturers, on-site visit and assessment if necessary
(Review of production facilities, quality management system, etc.)

STEP 3. Official Vendor Registration

- Successful applicants are formally registered as approved vendors
- Eligible to participate in our procurement and sourcing activities

Vendor Selection

[RFQ issuance]



[Quotation Submission]



[TBE/CBE (if needed)]



[Final Selection]



[Ordering]

Industrial Cooperation

Building Long-Term Partnerships

- Strengthen cooperation with **leading German defense and civilian companies**
- Focus on sustainable, long-term development over short-term outcomes

Securing a Global Defense Supply Chain

- Establish a **competitive supply network** in Germany and Europe
- Enhance global competitiveness through **joint efforts with local partners**

Technological Leadership through Joint R&D

- Promote strategic joint **research and technology collaboration**
- Develop **next-generation defense technologies** and lead global markets

Contribution to German National Security

- Grow together with partners to **contribute to Germany's security**
- Achieve **mutual development** through strategic cooperation

Q & A