

## Main Business Areas

# Aerospace, Ocean & Mechatronics

At Hanwha, we provide solutions to create sustainable infrastructure on Earth and in space by innovating proprietary technologies. We have accumulated expertise in a range of business areas focused on the future of humanity, developing original aerospace technologies including engines for space-launch vehicles, advanced Earth orbit observation, satellite-based communication capabilities and urban air mobility (UAM).

But our solutions have a far greater reach. As part of our bold vision for the future, Hanwha is also creating an industrial ecosystem of land- and ocean-based innovations to enhance the safety and enrich the lives of our customers right here on Earth. Our expansive portfolio includes intelligent AI camera and analysis technology, AIoT platform convergent technology and blockchain security as well as shipbuilding expertise, large-scale plant management, and advanced offshore plant construction capabilities.

## Business Scope



- ✓ Assembled and delivered more than 9,700 aircraft engines over 40 years as of 2022
- ✓ Strategically invested USD 170 million in Overair, a U.S. aeronautics company that develops electric aircraft, air taxis, and personal air vehicles
- ✓ USD 300 million investment in OneWeb, a leading global satellite broadband internet provider based in the U.K.
- ✓ Acquired the business and assets of Phasor Solutions, a U.K.-based satellite communication antenna developer, to step up its advance into the global business
- ✓ USD 41 million of equity investment in Kymeta to support growth in the global mobile satellite-cellular connectivity technology market
- ✓ Global leader in commercial ships, producing best-in-class LNG carriers with leading LNG-related technology such as fuel gas supply systems (FGSS) and partial regasification systems (PRS) as well as LPG carriers built with eco-friendly technology and high efficiency
- ✓ No. 1 leader in very large crude oil carriers (VLCCs)
- ✓ Built the world's first floating LNG facility
- ✓ Global leading video-surveillance solutions provider
- ✓ Fast-growing player in the global-security industry with next-generation technologies such as deep learning and AI

### Major Affiliates

Hanwha Corporation

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Hanwha Aerospace

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Hanwha Ocean

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Hanwha Systems

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Hanwha Vision

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Hanwha Precision Machinery

### Major Products & Services

- Aircraft engines and engine components
- Aerospace sensors and electronic systems
- UAM (Urban Air Mobility), and Satellite communication antennas
- Commercial ships, offshore plants, specialty ships
- Video surveillance devices and solutions
- Industrial equipment and engineering solutions
- Collaborative robots