

2024 ANNUAL REPORT

Taihan Cable & Solution

Taihan move forwards to a better future

Cable systems are a key part of the infrastructure that delivers energy and information to the world. Serving a wide range of functions, from everyday life to industrial sites, Taihan’s high-quality cable systems are delivered to the right places to improve the operation of social infrastructure. Through its accumulated technology and core capabilities developed over 80 years, Taihan endeavors to provide the best services to its global customers. Taihan’s innovative spirit and passion are the primary forces behind its sustained growth engine, which is constantly focused on the future.

CONTENTS

01. about Taihan

Company Profile	03
Highlights	04
CEO Message	06
Business Philosophy & Vision	07
History	08
Organization Chart	09
Global Network	10

03. ESG Management

ESG Management Strategy	21
Environment	22
Social	26
Human Rights	
People	
Health and Safety Management	
Ethical Management	
Compliance Program	
Social Responsibility	
Governance	39
Transparent Management	

02. Review of Operations

EHV Cable	12
Industrial Cable	14
Submarine Cable	15
Communication Cable	16
Base Metal	17
Engineering & Construction	18
R&D	19

04. Financial Section

Independent Auditor’s Report	41
Consolidated Statements of Financial Position	43
Consolidated Statements of Comprehensive Income	44
Consolidated Statements of Changes in Equity	45
Consolidated Statements of Cash Flows	47

Company Profile

(As of December 2024)

Taihan consistently offers the best values in the cable industry, leads the development of technology for the future of human race, and lights up an abundant future with cutting-edge technology.

Company Name	Taihan Cable & Solution Co., Ltd.	Majority Shareholder	Hoban E&C Co., Ltd. (41%)
Business Domain	Power Cables, Renewable Energy, Communication Cables, Base Metal, etc.	Products and Services	Design, Manufacturing and Installation in Electric and Communication Cable System
CEO	Jong Min Song	Address (Seoul Office)	18, Yangjae-daero 2-gil, Seocho-gu, Seoul, Korea
Establishment	March 18, 1941	Employees	1,853 persons



Seoul Office | Seocho-gu, Seoul, Korea

Financial Highlights

Korean won in millions

Financial Performance	2022	2023	2024
Sales	2,450,545	2,843,980	3,291,299
Gross Profit	138,379	192,001	263,386
Operating Income	48,173	79,823	115,169
Net Income	21,830	71,872	74,190

Financial Position

Korean won in millions

	2022	2023	2024
Total Assets	1,620,264	1,878,565	2,642,726
Total current assets	1,144,663	1,265,741	1,775,776
Total non-current assets	475,601	612,823	866,949
Total Liabilities	738,060	925,279	1,146,613
Total current liabilities	488,178	682,344	920,138
Total non-current liabilities	249,882	242,936	226,475
Total Equity	882,204	953,286	1,496,112

Highlights

Final Decision on Construction Site for Dangjin Submarine Plant 2

With Dangjin Submarine Cable Plant 1 scheduled for completion in the first half of 2025, Taihan has secured the site for Plant 2, which is planned to begin operations by 2027.

Located in the Godae District of the Asan National Industrial Complex in Dangjin-si, Chungcheongnam-do, the site spans approximately 215,000 square meters. This strategic location allows Taihan to create Korea's largest cable production cluster, adjacent to its existing Submarine Cable Plant 1 and close to its Dangjin Cable and Solution Plants. Through the integration of these facilities, Taihan aims to maximize synergies by manufacturing a full range of cable-related products—including underground and submarine cables, power and communication cables, base metals, and finished goods—within a single industrial zone.

To meet growing global demand, Dangjin Submarine Cable Plant 2 will produce 640kV HVDC submarine system and export cables. Taihan is investing in cutting-edge infrastructure, including Vertical Continuous Vulcanization (VCV) towers, to support the production of next-generation high-voltage submarine cables with advanced quality and reliability.



PALOS, Korea's Only Offshore Wind Cable-Laying Vessel, Officially Commissioned

Taihan's submarine CLV (Cable Laying Vessel), PALOS, has officially entered service. PALOS is Korea's only CLV designed for offshore wind power.

Unlike a CLB (Cable Laying Barge), which is a converted cargo barge, a CLV is specially built for submarine cable laying from the design phase and offers superior performance.

PALOS features a flat-bottom design, allowing it to operate in various environments regardless of water depth. It is also equipped with state-of-the-art technologies, including a Dynamic Positioning System (DP2), enabling precise and stable operations. In addition, PALOS can cruise independently at speeds of up to 9 knots, providing greater responsiveness to weather changes and currents compared to CLBs that require tugboat assistance.

With the addition of PALOS, Taihan has secured full turnkey capabilities across the entire value chain for submarine cables, encompassing design, production, transportation, construction, testing, and maintenance. As only a few companies worldwide possess comprehensive turnkey capabilities in submarine cable projects, Taihan is poised to capture a greater share of the growing offshore wind power market.



Completed Development of EHV Submarine Cable System

Taihan has completed the development of a 154 kV EHV submarine cable system and obtained international certification from KEMA.

KEMA, an internationally recognized testing and certification authority based in the Netherlands, is highly trusted in the field of electrical safety. With this certification, Taihan has secured eligibility to participate in a wide range of submarine cable projects, both in Korea and in global markets.

The 154 kV cables are primarily used as export cables to connect offshore wind farms to onshore grids, and they also serve interconnection purposes between land-based power grids and across continents, which is expected to generate numerous opportunities for participation in future projects. Looking ahead, Taihan continues to focus its R&D efforts on achieving rapid results in 345 kV and HVDC submarine cables.



Global Competitiveness Enhancement in HVDC Cable Systems

Taihan is strengthening its global competitiveness in HVDC (High Voltage Direct Current) cable systems, which are regarded as the power grid of the future.

The company's technological capabilities were recognized when it won a cable-supply contract from US power company "LS Power Grid California" for a 320kV HVDC and 500kV HVAC project.

Through this project, Taihan has made its first foray into the US HVDC market. Having taken its first step toward winning subsequent HVDC cable systems orders, Taihan plans to actively seek business opportunities for various projects in Korea and overseas.

To bolster its order-winning capability and market responsiveness, Taihan is establishing a dedicated test facility for 640kV HVDC cable systems, scheduled to commence operations in 2025. The facility will be equipped to conduct simultaneous tests on two HVDC cable lines—both land and submarine cables. Moreover, the facility will be equipped with the necessary infrastructure to conduct internationally accredited certification tests, including long-term reliability tests (PQ tests) that take over a year and Temporary Overvoltage tests (TOV tests) recently adopted as mandatory for HVDC cables, thereby enhancing Taihan's technological competitiveness.



Record-Breaking Outcomes Laying the Foundation for Sustainable Growth

Taihan achieved remarkable results last year through continuous enhancement of competitiveness and strategic initiatives.

The company reported consolidated revenues of KRW 3.2913 trillion, operating profit of KRW 115.2 billion, and net income of KRW 74.2 billion. Revenue exceeded KRW 3 trillion for the first time since 2011, and operating profit surpassed KRW 110 billion for the first time since 2007, marking record-breaking performance across the board.

This strong performance was driven by increased new orders and sales in global markets, including the US, Europe, and Asia. Indeed, Taihan secured new orders worth approximately KRW 730 billion in the US alone last year and delivered tangible results by securing major projects in technology-intensive markets such as the UK and Sweden. These achievements contributed to Taihan's total new orders reaching approximately KRW 3.69 trillion in 2024.



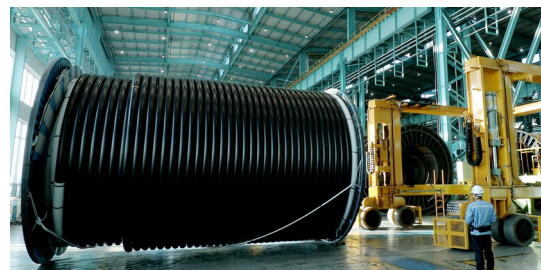
Securing Korea's First Extra-Long Continuous Underground Power Grid Project

Taihan has been awarded Korea's first-ever extra-long continuous underground power grid project by Korea South-East Power.

This project is significant as it marks the first application of extra-long continuous cable technology in South Korea. Extra-long continuous cable technology enables manufacturing and laying of cables over 1km in a single run-more than double the approximately 500 meters previously used-making it a highly sophisticated solution. To catch up with advanced international technologies, Korea South-East Power decided to apply this method domestically.

By applying this technology, the entire grid section can be constructed with a single continuous cable, eliminating the need for intermediate joints. This results in reduced production and construction costs, shortened project timelines, improved installation efficiency, and enhanced reliability through lower failure risk.

Extra-long continuous power grids are expanding in developed countries and are expected to see broader application in both domestic and international projects, presenting Taihan with expanded business opportunities.



Taihan's Credit Rating Elevated to "A," Establishing Financial Stability

Taihan has received an Issuer Credit Rating (ICR) of "A" with a Stable outlook from NICE Investors Service, a Korean credit rating agency. This upgrade marks a significant improvement from the "A-" rating it received from Korea Ratings in 2022, accomplished in just two years.

The ICR evaluates a company's overall business profitability and debt-repayment ability, serving as a benchmark of external credibility. Following its incorporation into the Hoban Group and the establishment of a stable business and financial environment, Taihan initiated this evaluation to confirm its credit rating and enhance customer confidence.

NICE Investors Service cited the business stability based on a diverse product portfolio, continuous sales growth, stable operating profitability, and significantly improved financial stability, as the basis for the rating.



Achievement of an "A" for Fourth Consecutive Years in the ESG Evaluation

Taihan has won an "Integrated A grade" in the "2024 ESG Evaluation" conducted by the Korea Corporate Governance Service (KCGS). It is the fourth consecutive year that it has earned an A rating since it was the only one in Korean cable industry to receive an integrated A rating in 2021.

In this year's evaluation, Taihan received a grade of Environmental(E) A, Social(S) A+, and Governance(G) B+.

Especially in the Social sector, Taihan was one of only 172 out of 794 companies to achieve an A+, which was the highest grade possible in this evaluation, as no company received an S rating in any sector

Taihan explained that its sustained top performance stems from rapidly implementing concrete, high-impact ESG initiatives. Specifically, the company has established a carbon-neutral roadmap and installed solar power systems at its Dangjin Cable Plant, alongside environmental protection efforts such as coastal clean-ups and endangered-species habitat preservation. To foster shared growth with local communities, it has organized blood-donation campaigns, advancing its CSR commitment. Additionally, Taihan has bolstered its corporate culture by enhancing its compliance system and deepening stakeholder engagement.



CEO Message



Dear valued customers, shareholders, and stakeholders of Taihan!

I would like to express my sincere gratitude for your unwavering interest and support for Taihan.

In 2024, the global power-grid market expanded on the back of AI industry advances and the growing adoption of renewable energy—and Taihan was at its center.

We secured major EHV cable projects across the U.S., Europe, and Asia. In the U.S. we won our first order for an HVDC cable system, underscoring our leadership in next-generation power grid technology.

As a result, we showed excellent performance in 2024. Our consolidated revenues reached KRW 3.2913 trillion, surpassing KRW 3 trillion for the first time in 13 years. Operating profit and net income climbed to KRW 115.2 billion and KRW 74.2 billion respectively, with operating profit exceeding KRW 110 billion for the first time since 2007. These figures represent record highs across all key metrics.

We also solidified our foundation as a global top-tier offshore wind power player. Taihan has stabilized operations at the Dangjin Submarine Cable Plant 1 and made the final decision on the construction site for the Submarine Cable Plant 2 in Dangjin, Chungcheongnam-do, while also demonstrating PALOS, Korea's only CLV, to domestic and international markets for the first time. Meanwhile, we've prepared robust carbon-neutral and ESG management strategies in line with global standards.

Dear valued customers, shareholders, and stakeholders of Taihan!

This year marks four years since our incorporation into the Hoban Group. Through strategic collaboration with Hoban and the adoption of advanced management systems, we have streamlined our business structure while focusing on strengthening our core competencies. We now aim to ensure well-balanced financial stability and ESG-based sustainable management, laying the groundwork for the next 100 years. We plan to focus on aggressive investment strategies and the expansion of our competitive edge this year.

First, we will successfully complete the comprehensive construction of Dangjin Submarine Cable Plant 1 and commence the construction of Submarine Cable Plant 2, thereby solidifying our position as a game changer in the global offshore wind power market. We will focus on actively developing HVDC cable system technologies and products to secure various business opportunities.

In the aging-grid replacement market—driven by rising demand in developed countries—we will strengthen our differentiated market position. In response to the rising demand on the power grid and the diversifying global environment, we will consider securing production bases in regions with abundant order opportunities, such as the US, Europe, and the Middle East. We will also enhance the production competitiveness of our global production subsidiaries, including Taihan Vina and M-TEC.

While uncertainty remains a constant in today's turbulent global and domestic environment, we believe the growing demand for electricity presents unprecedented opportunities.

By making bold technology investments, expanding proactive risk management, and scaling our predictive management systems, Taihan will continue to enhance its competitive edge and sustain robust growth.

We look forward to the continued growth and development of Taihan Cable & Solution.

Thank you.

May, 2025

Jong Min Song CEO of Taihan

Business Philosophy & Vision

Ever after succeeding in transforming its dream completely unimaginable at the time of its foundation into reality, Taihan never stops its journey, but tries harder again to realize the best technology and quality for creating a better future.

We Connect the Future

To a Better Future



People

A People-centric culture

A people-centric corporate culture, focusing on communications and mutual trust



Solution

Customer value

Customer satisfaction through technology and quality



Future

Future-oriented

A brighter future through creative thinking and taking on challenges

History

1940s

History Begins

- 1941** · Founded as Chosun Electric Wire, the first wire and cable company in Korea.
- 1955** · Renamed as Taihan Cable & Solution
- 1957** · Development and production of plastic power cable
- 1958** · Started to produce PVC sheathed cables

1960s

Localization of Products & Establishment of Business Basis

- 1964** · Obtained the 'KS' mark for cable products for the first time in South Korea
· Started to export wire & cable products for the first time in South Korea
- 1969** · Developed 33kV XLPE cables for the first time in South Korea

1970s

Modernization of Production Basis & Leading the Wire & Cable Technology

- 1976** · Started to produce 154kV OF cables for the first time in South Korea
- 1977** · Developed optical communication cables for the first time in South Korea
- 1979** · Mass-Produced short-wave multimode fiber optic cable

1980s

Full-scale Growth of Electric Wire & Cable Business

- 1984** · Completed the construction of optical communication cable factory and started to produce 154kV XLPE cables
- 1987** · Produced OPGWs and Developed 345kV OF cable & cable accessory
- 1988** · Developed submarine optic cable and leakage coaxial cable

1990s

Enhancement of Product line of Cable & Cable Accessory

- 1995** · Developed 765kV ACSR
- 1996** · Obtained the ISO 9001 certification in electric cable accessory field
- 1997** · Expanded the entrance into overseas markets and won the 500 million dollar export tower award

2000s

Establishment of the Global Production Bases

- 2000** · Established <M-TEC> as a cable production company in the Republic of South Africa
- 2007** · Completed the construction of 'Dangjin Cable Accessory Plant' and won the 100 Million Export Tower Award
- 2008** · Entered into the turn-key markets for EHV cable in Australia, USA and Russia
- 2009** · Developed a 400kV enamel coated conductor cable and an EHV polymer insulator

2010s

Completion of the Construction of Dangjin Plant & Leaping as a Global Leading Company

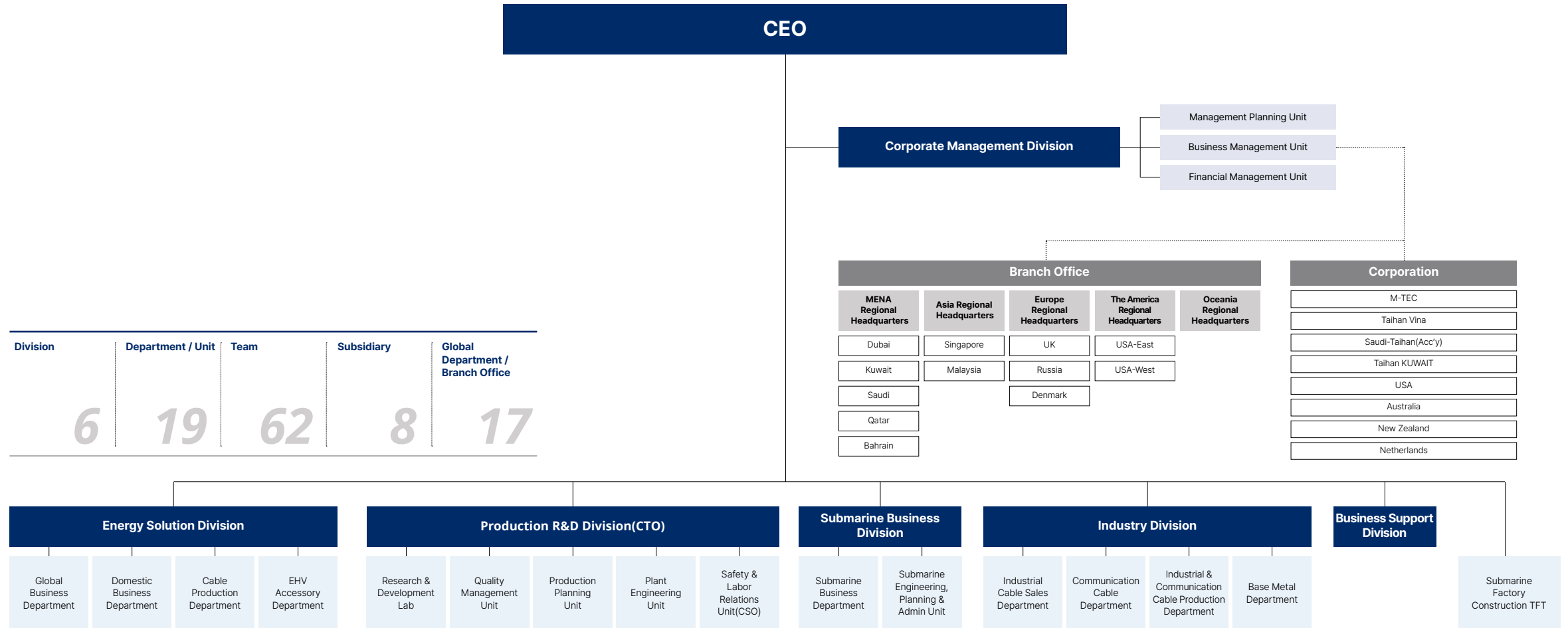
- 2010** · Developed the EHV polymer insulator for the first time in South Korea
- 2011** · Completed the construction of 'Dangjin Plant'
- 2012** · Developed the express trolley running at 400km/h for the first time in South Korea
· Developed the 500kV EHV cable and passed the PQ Test for the first time in South Korea
- 2013** · Developed the cable for train control signals transmission for the first time in South Korea
· Developed the slim-type UTP cable for the first time in South Korea
- 2014** · Started to produce the ACCC type dual capacity transmission line
- 2015** · Started to supply 500kV EHV cables to North America for the first time
· Acquired by IMM PE
· Proclaimed the new vision to be the one of Global TOP 3 wire & cable companies
- 2016** · Acquired the whole shares of the Legal Entity in Vietnam and launched <Taihan Vina>
- 2017** · Established of cable accessory corporate <Saudi Taihan> in Saudi Arabia
· Declared new CI
· Selected as the company of 'Best Family-Friendly Management'
- 2018** · Obtained the offshore wind power distribution submarine cable order in southwestern sea.
· Declared the mid-to-long term management plan V2025
- 2019** · Selected as 'the Top Quality Power Manufacturer' by KEPCO

2020s

New Start as a Global Cable & Solution Provider

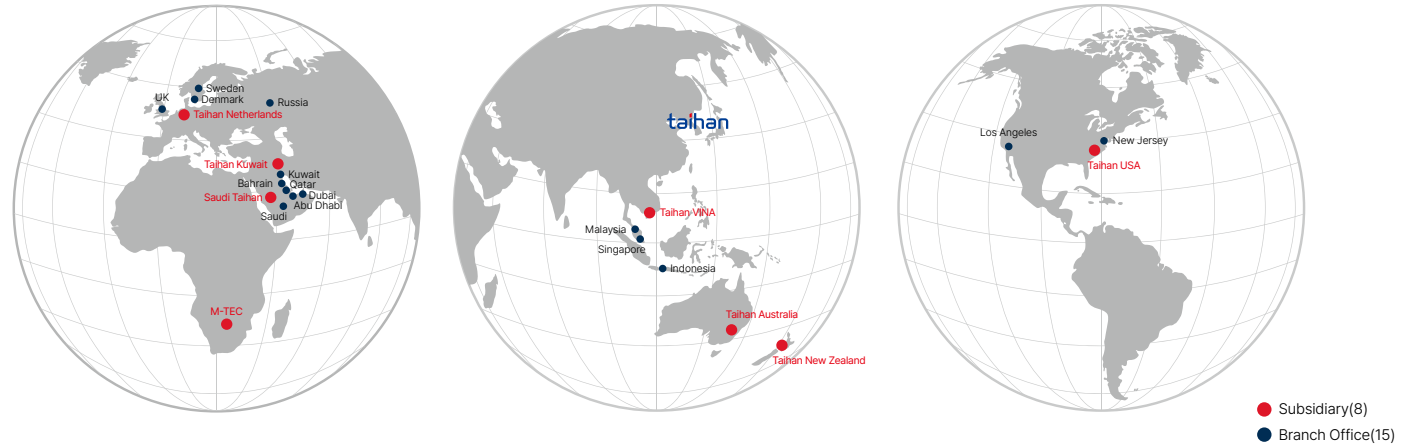
- 2020** · BCP(Business Continuity Planning) establishment
· Active sales from European market including UK,Denmark,Netherlands, etc.
- 2021** · Selected as 'the Top Quality Power Manufacturer' by KEPCO for two consecutive years
· Selected as 'Outstanding Quality Performance Award' by PG&E
· Acquired by Hoban Group
· Company name in English changed into Taihan Cable & Solution Co., Ltd.
· The only Korean cable industry to acquire an ESG A grade
· Awarded the Minister of Trade, Industry and Energy Award
- 2022** · Acquired Korea's first KEMA international certification for 500kV LCC XLPE HVDC
· Acquired ESG Integrated Grade A for 2 consecutive years
· Acquired A- in Korea's credit rating by Korea Enterprise Rating
- 2023** · Groundbreaking for optical cable plant in Kuwait
· Acquired Korea's first KEMA international certification for 525kV VSC XLPE HVDC cable (with conductor cross-sectional area of 3,000SQ and conductor allowable temperature above 90°C)
· Secured ESG integrated A grade for three consecutive years (KCGS).
· Relocated technical research center to Seoul headquarters
· Selected as outstanding company in 2023 Fair Trade Compliance Program assessment
· Recognized as leading company in supply chain-linked payment system
· Acquired dedicated CLV(Cable Laying Vessel) for submarine cables
- 2024** · Finalized construction site for the Dangjin Submarine Cable Plant 2(Dangjin-si)
· Achieved ESG Integrated Rating of "A" for the fourth consecutive year (KCGS)
· Completed construction of the Taihan Kuwait Plant
· Upgraded credit rating to "A"
· Launched PALOS, Korea's only offshore wind power cable-laying vessel (CLV).
· Commenced operations of Phase 1 of the Dangjin Submarine Cable Plant 1
· Established a Carbon Neutral Roadmap to achieve Net Zero by 2050

Organization Chart



Global Network

Taihan is strengthening its global competitiveness in the cable production area as its major business area based on 8 overseas subsidiaries and 15 overseas branches after having constructed the production bases in some emerging markets, such as, the Republic of South Africa and Vietnam, etc., starting with the main production facility, 'Dangjin Cable Plant'.



Dangjin Cable Plant

Dangjin Cable Plant is the birthplace and core production base for Taihan's cable technology. Its scale and efficiency are second to none the world over. Boasting five unit factories for EHV, industrial cable, communication cables, base metal, etc., it operates at every stage of cable production from product development and production to the finished product testing. Dangjin Cable Plant is responsible for high-quality products destined for customers in over 100 countries, supported by a state-of-the-art production line and environmentally friendly systems, including a world-class VCV tower.



Dangjin Solution Plant

Dangjin Solution Plant that was completed in 2007 is producing various kinds of cable accessories, such as EHV cables accessories and terminations, etc., including 500kV XLPE cable accessories. Taihan works daily toward the sophistication of our technology so we'll be ready with products optimized to customer needs, and our products are becoming more competitive all the time with the development of cable accessories that improve on the ease and reliability of installation



Dangjin Submarine Cable Plant

Dangjin Submarine Cable Plant is a core production base for Taihan's advancement into the global submarine cable industry. The plant is currently being developed in two phases, comprising Plant 1 and Plant 2.

Submarine Cable Plant 1 is scheduled for full completion in the first half of 2025 and will produce both inter-array and export submarine cables. Submarine Cable Plant 2 will be equipped with a Vertical Continuous Vulcanization (VCV) tower and state-of-the-art production systems dedicated to manufacture high-voltage direct current (HVDC) submarine cables and extra-long export cables. The construction site for Plant 2 has already been secured, with operations targeted to begin in 2027.



M-TEC (Malesela Taihan Electric Cable)

M-TEC that is located in the Republic of South Africa was founded as a joint venture company in 2000 as the advanced base for entering into the African continent. Taihan has leaped the best wire & cable company in the African continent as a comprehensive wire & cable company producing optical communication cables and power cables.

www.m-tec.co.za



Taihan VINA

Taihan VINA is a cable production corporation with a comprehensive array of products. Located in the heart of Vietnamese economy and culture in Ho Chi Minh City, it is strategically placed to target the global market and growing rapidly on the rising wave of Vietnamese economic growth and expanding power infrastructure needs. Continuous facility upgrades and technology investment make Taihan VINA products stand out from the crowd, and the firm is expanding its influence beyond the domestic market to the global.

www.taihancable.com.vn



Taihan USA

Taihan USA was founded in 2000 for expanding the sales of Taihan in the Americas. We have strengthened our business bases for entering into the local markets while having expanded the taken orders for EHV and MV/LV products from the electricity board of each region in the east and west regions of the USA since 2003 and are planning to expand the sales of electric power and new information & communication products in the future in the Americas.



Saudi Taihan

Saudi Taihan blazed a path as the first, and presently only, HV (High Voltage) cable accessory manufacturer in the GCC region. Founded as a joint venture with the Mohammed Al-Ojaimi Group, a Saudi Arabian EPC specialized in power transmission and distribution, Saudi Taihan is located in the industrial region near the capital city of Riyadh. A strategically-placed production base for global cable accessory, Saudi Taihan will be expanding its market beyond the Middle East into Africa and Europe.



Taihan Kuwait

Taihan Kuwait is Kuwait's first optical communication cable manufacturer – it was established through joint investment with Rank, a leading local construction and trading company. In September 2024, it completed the construction of a production plant equipped with the same advanced systems and testing capabilities as the Dangjin Cable Plant. With the start of mass production, Taihan officially began full-scale entry into the market.

Taihan Kuwait plans to capture a leading share of the Kuwaiti optical cable market, which has been entirely dependent on imports, and expand its market to neighboring GCC (Gulf Cooperation Council) members such as Saudi Arabia and Qatar through its network that has been supplying cables throughout the Middle East for over 50 years.

Review of Operations



EHV Cable



Industrial Cable



Submarine Cable



Base Metal



Engineering & Construction



Communication Cable



Research & Development

Leveraging a stable business environment, Taihan commenced full-scale expansion and growth, marking 2024 as a year of significant progress.

Taihan achieved consolidated revenues of KRW 3.2913 trillion and operating profit of KRW 115.2 billion in 2024, marking respective increases of 16% and 44% over the previous year. This is significant because it represents the best performance ever achieved by Taihan's core businesses – cables and solutions.

Taihan also achieved remarkable successes in the global market. It won a series of large-scale projects in Singapore, North America, and Europe, achieving KRW 3.282 trillion in new orders in 2024. Notably, Taihan won approximately KRW 730 billion in new orders in the United States alone, including the 500kV HVAC cable system designated as a national core technology, as well as HVDC cable systems, widely recognized as next-generation power transmission technology.

The company has also demonstrated its technological competitiveness. Taihan proved its technological superiority by winning an order for the “Extra-long Continuous Underground Power Grid Project,” which is the first in Korea to produce and lay cables longer than 1 km at one time. These achievements are the result of strategic product development driven by technology, and ongoing efforts to diversify markets. Taihan will continue to strengthen its position as a leading player in the global power infrastructure market.

The submarine cable business has entered the implementation phase. While 2023 was the year for laying the foundation for the business, 2024 was the year for securing the momentum for full-scale business promotion. Taihan laid the foundation for expanding its production capacity by successfully running the Phase 1 of its Dangjin Submarine Cable Plant 1, beginning the construction of the Phase 2, and acquiring the site for the Phase 2 and Dangjin Submarine Cable Plant 2. Further, the company demonstrated competitiveness in the offshore wind power and submarine power grid markets by unveiling PALOS, the only CLV in Korea.

The company also continued its innovation activities aimed at improving internal management. Taihan has launched the “Smart Manufacturing Innovation Task Force” to strengthen its manufacturing competitiveness. The company is conducting detailed assessments and improvements across our entire production system to lay the foundation to become a global top-tier player.

Taihan was the only cable manufacturer in Korea to receive an overall A rating for four consecutive years in the “2024 ESG Evaluation,” once again demonstrating the excellence of its sustainable management system and ESG capabilities. These achievements serve as a driving force to further strengthen trust from domestic and international customers. Furthermore, through strategic MOUs with leading domestic and international companies, Taihan is expanding its global partnerships, exploring various collaboration opportunities, and strengthening its business network.

02

EHV Cable

Overseas Sales

America

The U.S. power cable industry is expected to experience steady growth in the coming years. As of 2024, the U.S. wires and cables market was valued at approximately \$3.0 billion and is projected to grow at a compound annual growth rate (CAGR) of 5.9% from 2025 to 2030, reaching \$4.5 billion by 2030.

The rapid expansion of data centers and AI technologies is significantly increasing electricity demand, driving the need for major upgrades to the national power grid. In addition, the growth of solar and wind energy projects is fueling demand for specialized cables used in power transmission.

The company has actively expanded its presence in renewable energy and data center/AI infrastructure projects, achieving strong success in the U.S. market. Looking ahead, the company is focused on leveraging opportunities arising from the aging power grid infrastructure and expects further growth in this segment.

Over the past two decades, the company has been continuously expanding its market presence through its sales network built over the years, long-term supply contracts with major utility providers, and stable execution performance in large-scale EHV projects. Taihan is broadening its reach across the United States, achieving remarkable success particularly in the eastern region around New York and New Jersey alongside its traditionally dominant position in the western region. In recent years, the company has been extending its market presence into the Sun Belt region, comprised of Arizona, Texas, and Florida where semiconductor factories, and manufacturing plants are clustered.

It has successfully diversified its portfolio, significantly expanding beyond EHV products to cover various MV and LV cables and processed wires, while also developing solutions to replace aged power infrastructure.

Asia

Taihan is the only cable provider in Korea to have carried out a 400kV project, which is the highest voltage in Singapore. We have been recognized for our quality, technology, engineering capabilities, and project management skills through the successful completion of numerous HV and EHV projects in Singapore over many years. Building on this foundation, the company won a 400kV power grid construction project valued at approximately KRW 700 billion in 2024, further solidifying its market position.

Singapore's power demand is expected to grow over the next five years in line with the government's eco-friendly policy (Green Plan 2030) and power grid expansion plans. Opportunities to win orders for various EHV transmission projects, including 400kV projects, are expected to increase.

Taihan plans to actively participate in bids for new 400kV projects in 2025 to maintain its unrivaled competitive advantages in the Singapore EHV market. The company has been steadily winning high value-added oil-filled (OF) cable projects and plans to actively pursue additional bids in the future.

Malaysia's demand for electricity continues to grow due to the construction of data centers and new infrastructure. Taihan is strengthening its localized sales efforts as part of its strategy to secure multiple power grid projects, including those for 275kV. The company aims to promote sales growth and profitability while further enhancing its competitiveness in the Southeast Asian UHV power grid market.



Europe

Taihan continues expanding its presence in the European market based on its rich experience in successfully completing projects across major European countries.

Taihan has won an order for the IJV-NW project from TenneT, the power administration in the Netherlands. The project involves connecting the Dutch mainland to the power grid from an offshore 525kV DC substation, which is Taihan's first aluminum conductor (3500SQ) project. The factors behind the award of this project include the successful experience of the Netherlands 380kV HKN project from 2020 to 2023 and the company's project management capabilities.

In December 2024, Taihan won the contract for the Anneberg-Skanstull section of the 400kV underground tunnel project developed by Svenska kraftnät in Sweden. This project is a core infrastructure initiative aimed at stabilizing the power supply in the Stockholm region and serves as another opportunity to demonstrate the company's technical reliability within Europe.

In the UK, where the replacement of aging power grids is actively underway in response to increasing power demand, Taihan has won a contract for National Grid's 400kV Bramford-Twinstead project. This is part of the construction MOU signed with Balfour Beatty in the UK in 2023, and is significant in that the strategic partnership between the two corporations has led to reasonable outcomes.

It also secured an order for the 400kV Grain-Tilbury project. This project was awarded in recognition of the successful completion of the London Power Tunnels 2 (LPT2) project, a large-scale tunnel construction project in London, demonstrating that Taihan's strategy for expanding its presence in the European market is yielding tangible results.

These consecutive contracts demonstrate Taihan's technological competitive advantages and reliability, as well as its solid partnerships in Europe, further increasing the possibility of winning additional orders in the future.

Meanwhile, the EU aims to achieve carbon neutrality (Net Zero) by 2050 and plans to reduce GHG emissions by 55% from levels in 1990 by 2030. Accordingly, each country actively promotes the establishment of next-generation power grids linked to offshore wind farms. Taihan will contribute to establishing eco-friendly power infrastructure and continue expanding its market share based on its highly reliable products and services that meet Europe's high technology and quality standards.

Middle East & Africa

Saudi Arabia is a key market where continuous investment is being made to expand the power grid and stabilize the power supply. In particular, the expansion of HVDC infrastructure for long-distance power transmission is expected, leading to a significant opportunity for Taihan to enter the Middle East HVDC market and grow its business in the region.

The UAE market is seeing active new infrastructure development alongside the recovery of the real estate sector, with data centers and industrial parks serving as key drivers for power grid expansion. Taihan will continue expanding opportunities to supply EHV cables in line with these market changes.

Qatar and Kuwait are nations where several 400kV EHV turnkey projects are scheduled for 2025, and Taihan plans to secure a stable order base and create opportunities for sustainable growth through proactive sales strategies.

In September 2023, the company successfully won a 400kV turnkey project worth approximately KRW 72 billion in Bahrain. Building on its successful market entry into Bahrain, Taihan plans to actively participate in additional project bids to expand its market share.

Oceania

In Oceania, the company is executing Australia's first 500 kV underground cables project, the MREH (Melbourne Renewable Energy Hub), in partnership with TransGrid in Melbourne, Victoria. Taihan takes great pride in securing and executing one of the largest battery projects worldwide and the first 500 kV underground turn-key project in Australian history. This success demonstrates the capabilities that Taihan has built in terms of design, material supply, and project management in the Australian market.

In addition to NSW, successful completion of EHV projects in Queensland and South Australia has solidified Taihan's position as the top cable solution provider across Australia. This is enabling the company to gain a foothold as a key supplier in the continuously growing local market for data centers and renewable battery storage systems.



Domestic Sales

Governmental Market

In 2024, KEPCO, one of Taihan's major clients, returned to profitability for the first time in four years. However, the continued increase in its total debt is expected to adversely affect investment execution in 2025, including transmission network construction.

Nevertheless, the number of completed transmission and distribution facility projects has continued to grow since 2022 (34 projects in 2022 → 72 projects in 2024). Furthermore, the enactment of the Special Act on the Expansion of the National Power Grid is facilitating the timely construction and completion of planned infrastructure, thereby reducing the likelihood of a significant decline in demand.

Further, the 500kV XLPE HVDC EP Phase 2 Project, intended to enhance

large-scale power grid interconnection along the East Sea coast, is scheduled for bidding. Additional demand is also anticipated in connection with the timely provision of electricity to national advanced strategic industries, including the Yongin Semiconductor Cluster.

In addition, based on the 154 kV triplex cable, designed to reduce civil engineering costs, the company is broadening its sales outreach, anticipating not only securing of further contracts but portfolio diversification as well.

Civilian Market

Despite favorable conditions such as interest rate cuts and a rebound in the semiconductor industry, the plant sector—excluding semiconductors—is expected to remain sluggish amid growing external uncertainties. However, following the power outage at GM Korea's Changwon plant in 2024, the need for replacing aging power lines and implementing line redundancy projects has emerged, and demand for such replacements is expected to steadily increase going forward.

Driven by the global expansion of renewable energy, the new and renewable energy sector has been experiencing steady growth. In particular, the passage of the Special Act on Offshore Wind Power in March 2025 is expected to further accelerate government-led renewable energy initiatives. Consequently, demand for EHV cables used in solar and wind power projects—the two core segments of the renewable energy sector—is projected to rise further.

The emerging ICT sector has established itself as a key demand driver for EHV cables, supported by the acceleration of digital transformation and the Fourth Industrial Revolution. Continued investment in the domestic data center market by the government, local authorities, operators, construction companies, and overseas pension funds is expected to drive further growth in EHV cable demand within the ICT sector.

Industrial Cable

Overseas Sales

Taihan continues to see notable growth in the MV/LV(Mid/low-voltage) cables markets.

It has built strong relationships with key electric utilities across the western United States and has expanded its sales territory into the East Coast, establishing a stable supply system through long-term contracts with U.S. utilities.

These achievements stem from the differentiated value we deliver, including tailored on-site services, rigorous verification tests to support new-product development, and a firm commitment to quality reliability. Through these efforts, Taihan is solidifying its position as a top cable company in North America while contributing to advancing local power distribution infrastructure.

In Australia, demand for large-scale power grid replacement and cables is expected by 2030, in accordance with the government-led infrastructure investment policy: "Powering Australia". Taihan is proceeding vendor registration on Australian power administrations with a focus on the cost competitiveness of Taihan Vina, its production entity in Vietnam, and is experiencing a steady rise in order volumes.

In the overhead transmission line market, the company is expanding globally, starting with North America. It is also actively seeking new customers in Central Asia through bold sales activities. In the overhead transmission line market, the company is expanding globally, starting with North America. The need to replace aged transmission facilities has been gaining importance, and demand for increased capacity overhead line (HTLS) is on the rise. In response, Taihan is solidifying its collaborative relationships with partners and offering customized solutions to clients, thus further expanding its competitive advantage.

Going forward, Taihan will focus its capabilities on developing new markets and diversifying its customer base to solidify the foundation for stable and sustainable growth.



Domestic Sales

In 2024, the Korean construction market showed contrasting trends in the residential and non-residential sectors amid economic slowdown and financial market uncertainty. The residential market contracted due to high inflation and financial market instability, while the non-residential market showed signs of recovery driven by increased investment in semiconductor and AI infrastructure and the advancement of certain government-owned projects. Despite this complex market environment, the Industrial Cable Division achieved stable performance, including modest growth compared to 2023, through strategic responses.

The residential market in 2025 is expected to continue declining in new construction starts due to rising construction costs and financial market uncertainty. With an increase in unsold homes and a decline in construction companies' profitability, the housing supply is likely to contract, which will likely delay the overall market recovery. In response, the Industrial Cable Division plans to adjust its strategy in the residential sector and strengthen risk management to maintain stable growth.

On the other hand, the non-residential market is expected to be positively influenced by increased investment in semiconductor and petrochemical plants and some government-owned projects. Major infrastructure projects, such as the development of the Busan New Port and the Saemangeum Project, are scheduled to proceed. However, with the overall SOC budget being reduced, the public investment environment is likely to remain constrained. The specialized construction market is also expected to show a gradual recovery. In this environment, the Industrial Cable Division plans to expand its order intake for large-scale projects and strengthen its participation in projects with high profitability.



Busduct

As an alternative to cables, busducts are seeing consistent market growth driven by rising demand in large-scale factories, skyscrapers, and expanding data centers, which require substantial power capacities.

In 2024, demand for busducts declined due to the slowdown in the domestic residential construction market. However, the market is expected to regain momentum in 2025 as semiconductor manufacturers begin to ramp up their facility investments. In overseas markets, rapid growth in the AI data center segment is driving a surge in busduct demand, particularly among major global tech companies. Drawing on its accumulated expertise and proven project management capabilities, Taihan is actively pursuing marketing initiatives aimed at securing large-scale project contracts.

Taihan also plans to expand its product portfolio by increasing production capacity through plant expansion and introducing epoxy insulation systems, enabling the supply of busducts in a wider range of specifications. As the adoption of AI and other technologies associated with the Fourth Industrial Revolution continues to grow, demand for power infrastructure is expected to rise accordingly, supporting sustained growth in the busduct market.

Submarine Cable

As the climate crisis emerges as a global issue, governments and corporations around the world are expanding renewable energy generation and intensifying efforts to achieve carbon neutrality.

Taihan is actively laying the groundwork for medium- to long-term growth to secure a strategic position in the rapidly expanding submarine cable market. By leveraging its production and installation capabilities, the company aims to become one of the world's top five total solution providers for submarine cables within the next four years.

In keeping with this goal, Taihan has focused on strengthening its production capacity. In 2023, it began the initial phase of constructing Submarine Cable Plant 1 at Godae Pier in Dangjin Port, Chungcheongnam-do. The plant commenced operations in May 2024, with full completion scheduled for the first half of 2025. With this, Taihan now has the capability to produce not only 132kV or lower inter-array cables (IACs) that connect offshore wind power farm but also 154kV or higher export cables (ECs) that transmit the power generated by offshore wind farm from offshore substations to land.

In particular, Taihan aggressively promoted pre-sales activities by leveraging its customer base built up in domestic and overseas markets to generate revenue immediately upon completion of the submarine plant. As a result, Taihan secured the Yeonggwang-Nakwol Offshore Wind Power Project, and it is producing submarine cables for this project at Phase 1 of its Dangjin Submarine Cable Plant 1. Furthermore, Taihan was selected as the preferred bidder for the Anma Offshore Wind Power Project, the largest in Korea.

Taihan is also fast-tracking the construction of its Submarine Cable Plant 2. It made the final decision on the construction site for Submarine Cable Plant 2 in Dangjin, Chungcheongnam-do in November 2024. The plant is expected to be operational starting 2027. The plant is to begin full-scale production in 2028.

Submarine Cable Plant 2 will be equipped with state-of-the-art facilities,

including VCV (Vertical Continuous Vulcanization) towers, to enable 640kV HVDC (High-Voltage Direct Current) cable systems and export submarine cables. These facilities will strengthen Taihan's capacity to meet growing market demands driven by larger wind turbines, increased generation capacity, and offshore wind power farms being located farther from shore.

In addition to enhancing production capacity, Taihan has also strengthened its installation capabilities through the acquisition of PALOS, the only cable-laying vessel (CLV) for offshore wind power in Korea, which officially entered service in July 2024. Designed and built specifically for submarine cable laying from the outset, PALOS offers faster and more stable cable laying and transport compared to converted cable-laying barges (CLBs), and is equipped with a dynamic positioning system (DP2), allowing for uninterrupted operations even under adverse weather conditions.

As only a few companies worldwide possess turnkey capabilities in submarine cable projects, Taihan is poised to gain a competitive advantage in the offshore wind power market.



Perspective View of Submarine Cable Plant

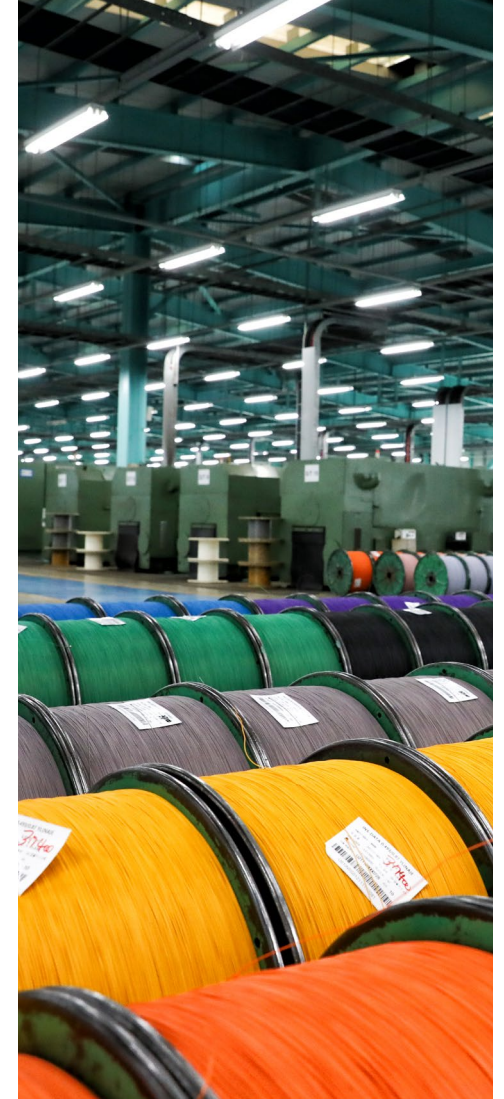


Communication Cable

The company holds innovative technological capabilities to reliably and rapidly transmit large volumes of data in the telecommunications sector, and occupies a leading position as a top vendor in the domestic and international telecommunications cable industry through its competitive product portfolio. Particularly in the railway sector, Taihan is pioneering the market with a range of technologically advanced products, including train signal control cables and radiating coaxial cables.

The year 2024 saw a considerable rise in sales and operating profits, driven by numerous SOC project bids and increased orders for telecommunications equipment and system construction. The considerable growth in revenue, particularly from winning multiple projects in the railway sector, played a significant role in performance improvement. In the field of optical cables, there is a consistent drive to expand the market and pursue technological advancements, leading to sustained reinforcement of competitiveness.

In 2025, in the telecommunications sector, the company will work to further enhance its competitive advantage by developing new products and diversifying the product portfolio while simultaneously making efforts to expand market share. Building on this, the company will offer unique solutions to spur performance improvements.



Base Metal

Taihan recorded domestic base metal sales of 118,000 tons in 2024, representing an increase of approximately 20% year-on-year. This growth was driven by increased supply in response to rising demand for high-quality multi-grade products for automotive applications and power cables.

Overseas sales reached approximately 143,000 tons, up 6,000 tons from the previous year. This strong performance was primarily attributable to increased sales in Southeast Asian countries such as the Philippines, Vietnam, India, and Bangladesh.

Sales of products using magnet wire showed a slight decline compared to the previous year. This was due to reduced consumption by domestic manufacturers of industrial and home appliance products, as well as intensified competition from the inflow of Chinese products into the Korean market. In the automotive motor segment, while electric vehicle production declined, overall sales were sustained by increased demand for hybrid vehicle motors.

With the goal of market diversification, the company is striving to secure market share in the general power & communication cable and automotive wire sectors in the domestic base metal market, while also supplying copper-clad materials for lithium-ion batteries in electric vehicles. The company expects its market presence to grow in international markets as it ventures into new markets and diversifies its customer reach.

Based on its high-quality goods, Taihan's base metal business department will continue to enjoy stable sales to a significant number of domestic clients. Taihan will continue to search for new clients and extend its sales channels by targeting the niche market, with a particular focus on nations that have completed an FTA with Korea.



Engineering & Construction

The prolonged Russia–Ukraine war, rising raw material prices, ongoing conflicts in the Middle East, and exchange rate volatility are expected to weigh on global economic growth. At the same time, the expansion of local preference policies in many countries is intensifying competition in the cable industry.

Countries are actively implementing plans to make their power grids more efficient and secure. In particular, there is growing demand across all aspects of extra-high voltage (EHV) systems—including design, construction, operation, and maintenance—for engineering services and installation capabilities that meet increasingly stringent requirements in high-tech integration, energy efficiency, and operational reliability.

In response, Taihan strives to satisfy customer needs by continuously securing talent in the engineering division and strengthening its technical capabilities. The company is also laying the foundation for providing total solutions to its customers and moving forward with its strategy to expand into related sectors.

In addition, Taihan has been successful in winning large-scale turnkey projects from Singapore, Kuwait and Bahrain last year, based on its long-standing cost innovation and efforts to convert its portfolio to high-yielding products.

Taihan’s Energy Engineering & Construction (E&C) Division has been steadily expanding its market share in countries such as Singapore and Kuwait, leveraging long-standing customer trust and proven technical expertise. With demand for upgrading aging power grids growing significantly—particularly in developed markets—the company’s efforts to expand into the Americas and Europe are beginning to bear fruit, with further growth anticipated.

Furthermore, by consistently securing significant projects in Singapore and Kuwait, as well as multiple contracts in the US market, Taihan has reaffirmed its competitive edge in the markets of Asia, the Middle East, and the Americas.



Moreover, Taihan is expanding its presence in the European market through successfully completed projects in Germany, the UK, Sweden, and the Netherlands.

Accidents Punishment Act and the Industrial Safety and Health Act and periodically monitors the implementation status of its system. In addition, it has set up a dedicated department for safety management at installation sites and supports a range of initiatives—including inspections, guidance, and training—at both domestic and overseas sites to promote safe working environments and embed a safety-first culture.

Taihan’s Energy E&C business ended 2024 with a substantial order backlog of KRW 667 billion, driven by a combination of domestic capacity building and enhanced overseas full-turnkey project capabilities, resulting in a positive impact on order intake, revenue, and operating profit. Looking ahead, demand for aging cable replacement in developed markets and increased investment in renewable energy are expected to further support the company’s growth trajectory. In 2025, Taihan aims to accelerate growth in revenue and operating profit by leveraging its solid overseas order backlog and pursuing ongoing innovation in its business model.

R&D

Taihan has concentrated its capabilities on new product development and base technology research for its flagship products, cable and cable accessories, under the leadership of its Technology Research Center which has collaborated with several universities and research institutes. To strengthen R&D capabilities, the Technology Research Center has been relocated to Seocho-gu, Seoul-si, and Taihan is currently expanding its research infrastructure and recruiting talented researchers.

In response to the increasing need for high-efficiency, long-distance transmission systems, Taihan is researching cable systems that can be applied to VSC (Voltage Source Converter) HVDC and LCC (Line Commutated Converter) HVDC at the same time. Additionally, Taihan completed the development of Korea's first 500kV current type XLPE HVDC land cable system, the second in the world after Japan, and acquired KEMA international



certification. This certification applied higher technical specifications than the international standard CIGRE, enabling its immediate application in large-scale HVDC projects scheduled to commence in Korea. Taihan was the first company in Korea to successfully complete KEMA certification tests for a voltage type 525 kV HVDC cable system, designed for operating temperatures above 90°C, with a conductor cross-sectional area of 3,000SQ (mm²).

Therefore, Taihan has been officially recognized for its technology and stability through international accreditation for 500kV LCC HVDC and VSC HVDC XLPE cable systems, and secured an opportunity to participate in large-scale HVDC projects. In addition, its 320kV 3,000SQ (mm²) HVDC voltage type has successfully passed KEMA certification testing. In 2024, Taihan won a contract for a 320kV HVDC cable system project from LS Power Grid California in the United States, continuing to foster its advantages over competitors.

The company is also developing submarine cable technologies, including 154 kV-class dry type and 70 kV-class wet and dynamic cables, enhancing core and evaluation technologies such as mechanical property assessments and structural analysis so as to strengthen cable and system technologies for marine applications like offshore wind and solar farms.

Taihan is also continuously conducting research and development for eco-friendly products. In an attempt to enter new markets and generate sales, Taihan is replacing petroleum-based epoxy materials, currently used in the insulation of GIS (Gas Insulated Switchgear) spacers, with an eco-friendly, bio-epoxy material. Taihan has also completed the development of "built-in spacers for electronic transformers based on eco-friendly solid insulation material" featuring a built-in electronic transformer to reduce installation space. In addition, a range of eco-friendly cables made with renewable polypropylene are under development. Taihan has completed a government-owned project on developing coated insulated processed wires using polypropylene materials in response to the 2050 Carbon Neutral Policy. Recently, the company has been researching technology expansion and localization of materials for eco-friendly insulation materials.

In response to the demand for compacting EHV underground transmission lines, a nationwide R&D project is being conducted to reduce the insulating layer thickness of 345 kV-class cables. For the compaction of EHV cables, research is underway to improve the dielectric strength of the insulating layer and the smoothness of the semiconducting layer. The performance will be

evaluated via prototype production and a Type Test.

Taihan has successfully completed a government-led R&D project to develop a high-efficiency 500kV-class long-span overhead line for transmission using carbon fiber as the core. This achievement enhances the company's technological competitiveness, including lower sag and increased transmission capacity. Going forward, Taihan plans to enter both domestic and global markets by developing next-generation products featuring improved strength and conductivity in composite core conductors.



Due to the aging of power facilities, Taihan is currently conducting R&D as part of the integrated asset management system established by KEPCO to improve the efficiency of investment costs. This R&D has collected lifetime data for XLPE cables that are approaching the replacement cycle through electrical and thermal-accelerated aging tests.

Taihan is also innovating a "Back-To-Back" cable joint. In the event of a failure in the existing XLPE cable joint, the faulty underground cable and two sets of joints at both ends of the cable must be replaced, resulting in a wide recovery range and a lengthy repair period. In order to solve these problems, Taihan has developed a back-to-back pre-molded joint with a method of replacing only the faulty joint.

The company is developing UAM/PAV aviation cable materials with high-temperature resistance and lightweight characteristics to address future mobility industry needs. It is also conducting various R&D projects to secure mid- to long-term technological competitiveness, including the application of low-carbon recycled aluminum in underground and submarine cables in line with Carbon Neutrality Policy.

ESG Management



Environment



Social



Governance

03

Taihan will contribute to creating a healthy society and future by establishing and operating ESG policies and strategies, administering strict management that goes beyond the social requirement, and transparently disclosing the related information.

ESG Management Strategy

Having set ESG management as a task of the highest priority for achieving the corporate vision, Taihan established the ESG management strategy specifying strategic directions and goals, etc. for each of the Environmental (E), Social (S), and Governance (G) areas. Taihan will secure a sustainable growth engine by improving eco-friendly management for the future generations, strengthening our social responsibilities to achieve shared growth with all stakeholders including employees, customers, suppliers, and local communities, and creating a fair and transparent management environment.

**We Connect the Future
To a Better Future**

Secure sustainable growth engine through eco-friendly and responsible management, and based on transparent governance

Environment



Upgrade eco-friendly management

- Upgrade eco-friendly management policy
- Improve efficiency of environment and energy management
- Expand environmental performance
- Protect local environment

Social



Expand ethical and contributory management

- Practice management with respect for human rights and labor
- Practice strict safety and health management
- Strengthen ethical compliance
- Activate social contribution

Governance



Ensure transparency in corporate governance

- Upgrade corporate governance
- Expand shareholder rights and interests
- Establish ESG management

Establishing the Foundation for Mandatory ESG Disclosure and Carbon Neutrality Implementation

ESG Governance

Taihan established the ESG Committee under its Board of Directors—the first such committee in Korea's cable industry—to strengthen ESG management. Deliberating and making decisions on key ESG-related policies and strategies, the ESG Committee is composed of three independent directors and one executive director as of 2024 to enhance transparency and expertise. It will consist of four independent directors and one executive director as of March 2025. In addition, centering on a consultative body comprising of a division in charge of ESG management and around ten related divisions, Taihan practices systematic and substantial ESG management through meticulous and detailed consultations of the working group.

ESG Evaluation

In 2021, the company was the first in the domestic cable industry to achieve an integrated "A" rating in the ESG evaluation, and in 2024, its excellence in ESG management was acknowledged with the awarding of an integrated "A" rating for the fourth consecutive year.

Integrated ESG Rating Environmental Social Governance

Evaluation Agency | Korea Institute of Corporate Governance and Sustainability

Environment

Taihan is at the forefront of integrating environmental values into corporate management. In order to protect the environment, humanity's most precious asset, Taihan is embarking on multiple proactive initiatives. Taihan remains committed to the practice of eco-friendly management for the harmonious coexistence of our planet and its people.

Environment Management

Green 2030

Upgrade environmental policy



- Strengthen environmental management and transparently disclose environmental information
- Perform ecosystem conservation activities for biodiversity conservation

Strengthen environmental investment



- Expand development of eco-friendly cables
- Keep air and water pollutant discharge to a minimum

Practice environmental and energy management



- Introduce state-of-the-art facilities and technologies for environmental pollution prevention
- Recycle wastes, increase water reuse, and reduce energy consumption

Use new & renewable energy



- Operate eco-friendly worksites by using new & renewable energy



In its efforts towards shaping the eco-friendly society of the future, Taihan established the long-term environmental strategy known as Green 2030. This strategy involves Δ Enhancement of environmental policies, Δ Reinforcement of environmental investments, Δ Comprehensive environmental and energy management, and Δ Application of renewable energy. Detailed plans and specific action tasks have been laid out for each focus area.

Operating with a deep sense of responsibility, Taihan meticulously manages its environmental impact throughout all business activities, while aiming to minimize pollution. To uphold transparency in environmental protection efforts, Taihan abides by regulations and provides data to relevant authorities. With a

steadfast commitment to the Environmental Information Disclosure System, Taihan proactively unveils vital information pertaining to the emission levels of environmental pollutants and hazardous chemicals annually, including water quality, air, waste, and greenhouse gases. Taihan also transparently showcases its environmental management system, eco-friendly products, and certifications in accordance with the Environmental Technology and Environmental Industry Support Act, thus establishing trust and reliability.



Environmental Policy

Taihan has established an “Environmental Policy” that positions environmental protection and energy conservation as core values essential to sustainable growth. To put this into action, the company has set specific environmental targets for each department. It is committed to improving energy efficiency

and reducing waste generation, while striving to comply with increasingly stringent domestic and international environmental regulations. Furthermore, Taihan regularly conducts training programs to raise employees’ environmental awareness.

Air Pollutants

Taihan strictly manages emission levels by setting its own standards below the permissible limits for pollutants. The company operates air pollution control facilities to minimize the release of air pollutants such as dust, sulfur oxides, and nitrogen oxides produced during manufacturing processes, ensuring that emissions remain well within the permissible standards. Through comprehensive quarterly inspections, Taihan meticulously upgrades or replaces components, such as dust collectors and filters; fortifying the company’s relentless pursuit of a cleaner, more sustainable production environment.

Air Pollution Prevention Facilities Improved in 2024



Replacement of Bag Filters for Dust Collectors



Replacement of Aging Control Panels for Dioxin Control Facilities



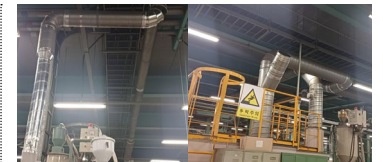
Catalyst Cleaning and Internal Repair for Denitrification Facilities



Replacement of Activated Carbon for Adsorption Towers



Replacement of Aging Dust Collectors



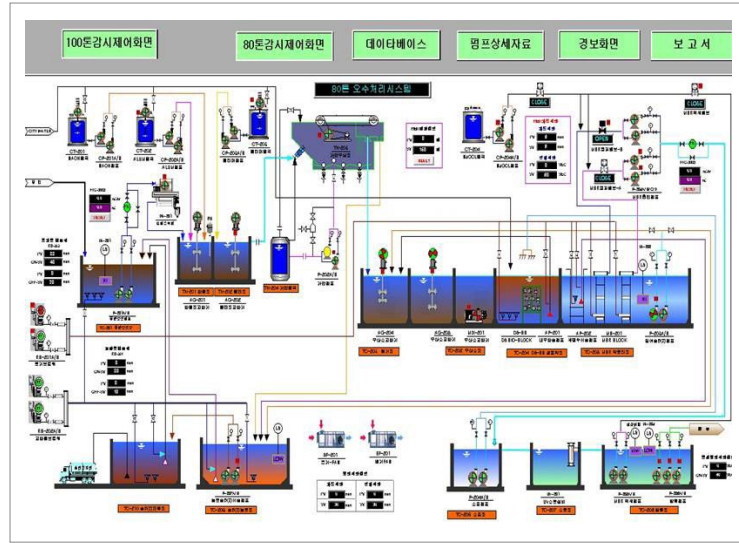
Replacement of Ducts for Dust Collectors

Water Pollutants

Dedicated to managing water pollution substances, Taihan carries out regular monitoring and continues to improve equipment operation methods for emission reduction. In a remarkable display of water stewardship, over 90% of water used at Taihan's production sites is efficiently recycled as cooling water, with waste water receiving comprehensive treatment for complete reuse. Particularly notable is Taihan's commitment to minimizing its impact on the nearby Seokmun Lake; all domestic waste water produced within the premises is discharged within legal concentration limits, facilitated by an automated sewage treatment system. This system is meticulously maintained with regular cleaning, membrane replacement, and equipment upgrades to ensure optimal functionality. Additionally, Taihan employs five initial rainwater treatment facilities and two retention ponds for effective water management. Remarkably, these retention ponds are not just functional, but also environmentally conscious; a section is used as a green space and a portion has been transformed into an ecological wetland, showcasing Taihan's commitment to harmony with nature.

Wastewater Emission Volume (Unit : m ³)				
Sort	'21	'22	'23	'24
Lab wastewater	1.48	-	5.32	0.54
Other wastewater	173.64	94.92	246.21	103.7
Total	175.12	94.92	251.53	104.24

Water Pollution Substance Emission Concentration (Wastewater) (Unit : ppm)					
Sort	'21	'22	'23	'24	Remarks
Biochemical Oxygen Demand (BOD)	0.95	1.15	0.6	1.32	10 or less by law
Suspended Solids (SS)	0.5	0.35	0.5	0.4	10 or less by law



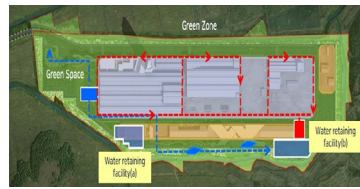
Automated Sewage Processing System



Wastewater Zero Discharge Treatment Facility



Eco Marsh Management



Rainwater Treatment Flow Chart



Dredging of Non-point Source (NPS) Pollution Control Facilities

Greenhouse Gas/Energy

With a steadfast commitment to managing greenhouse gas emissions, Taihan has been building its greenhouse gas inventory since 2007. Taihan meticulously prepares annual monitoring plans and emission reports, and improves transparency and expertise through third-party verification conducted by specialized organizations; establishing trust and credibility in greenhouse gas management.

Embracing a proactive approach to mitigate the risk of exceeding permissible levels of greenhouse gas emissions, Taihan has actively participated in the greenhouse gas emission trading system since 2015, ensuring compliance year after year. Throughout the First (2015-2017) and Second (2018-2020) Plan Periods, Taihan successfully operated within the allocated emission limits and—as of December 2020—secured a five-year allocation of emission allowances for the Third Plan Period (2021-2025), fostering increased trust and credibility. For emissions that exceeded the allocated limits due to factors such as increased production, Taihan acquired the necessary allowances through authorized channels in accordance with regulatory procedures.

Taihan also initiates a range of activities to promote energy efficiency and reduce greenhouse gas emissions. Heating, cooling, and electricity consumption is reduced through a central power control system leveraging the Intelligent Factory System (IFS) that automates equipment and remotely monitors power consumption. The company has also reduced air pollutant emissions by replacing 10 t/hr low-NOx boilers with 4 t/hr units based on the review of design capacity. Furthermore, Taihan is working on establishing life cycle assessment (LCA) tools related to Scope 3 emissions, with the second half of 2025 as the target date. Furthermore, the company is leading energy conservation efforts by installing solar power systems, replacing lighting with high-efficiency LEDs, and introducing energy-efficient equipment.

Greenhouse Gas Emission (Unit : tCO2eq)			
Sort	'22	'23	'24
SCOPE1	14,017	16,250	17,314
SCOPE2	23,223	26,496	26,546
Total	37,240	42,746	43,860
CO2 (Carbon Dioxide)	36,973	42,400	43,555
CH4 (Methane)	109	128	124
N2O (Nitrogen dioxide)	158	178	181
Total	37,240	42,746	43,860



IFS



Facility Optimization



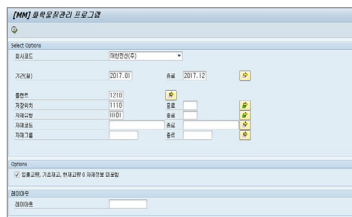
Introduction of High Efficiency Facilities

Waste Discharge (Unit : ton)				
Sort	'21	'22	'23	'24
Total waste discharge	3,268	2,846	4,136	4,017
Total waste recycling	69%	70%	74%	74%

The company also continuously manages chemicals to keep its facilities and local community safe. The company has developed a systematic chemical management program to monitor emissions and the handling of hazardous chemicals. New chemicals undergo safety review before use to ensure that the workplace remains safe, and these chemicals are handled in compliance with the "Act on Registration and Evaluation of Chemical Substances," "Chemical Substance Control Act," and "Occupational Safety And Health Act."

Moreover, based on national policies related to chemical substances, Taihan faithfully fulfills its duty to report to the Ministry of Environment. This includes periodic Chemical Emission Surveys, Chemical Statistics Surveys, Registration of Imported Chemicals, and Hazardous Chemical Handling Records.

Development of Chemical Management Programs



Waste Product/ Hazardous Chemicals

By establishing in-house waste management standards and complying with lawful disposal procedures, Taihan strives to prevent environmental pollution. As production soars and higher volumes of waste are generated, Taihan actively collaborates with the government's waste reduction initiatives by implementing the "Resource Circulation Performance Management System," to create a greener future.

In particular, under the Extended Producer Responsibility (EPR) system, the company engages in activities to reduce waste from products and packaging and provides support to recycling companies for the costs associated with recycling, thereby fulfilling its responsibilities as a producer. To increase recycling rates, Taihan collaborates with the Korea Cable Recycling Cooperative and other cable companies to provide financial and technical support to recycling companies and to identify new recycling partners.

Future Plans for Implementation

Development of Eco-Friendly Products

To facilitate the production of eco-friendly products, Taihan conducts a rigorous analysis of potential environmental impact from the manufacturing to disposal stage. By doing so, Taihan demonstrates its dedication to developing and implementing technologies that aim to minimize these impacts. Taihan has successfully developed eco-friendly PP cables for power distribution and has obtained environmental label certifications for two items that are characterized by minimal harmful emissions during their production and usage. Taihan is also continuing to develop 6/10kV HF/PPPO transmission PP cables by leveraging eco-friendly non-cross-linking insulation technology and 70kV underground cables with recycled aluminum conductors, demonstrating a steadfast commitment to the continual development of environmentally responsible products.

Enhancing the Procurement of Eco-Friendly Materials and Expanding Green Facilities

In collaboration with its partners, Taihan is expanding the use of eco-friendly materials and reducing the consumption of various raw and auxiliary materials in order to protect the environment. The company will also continue to adopt eco-friendly and high-efficiency equipment while upgrading existing facilities in order to reduce greenhouse gas emissions.

Social

Human Rights

Taihan is steadfastly respectful of the rights of all stakeholders, inclusive of its workforce. With a commitment to fostering an enriching work environment, Taihan has established human rights policies that are managed and implemented with care. Through initiatives such as instituting systematic frameworks and conducting comprehensive training, Taihan has been able to accomplish a human rights-oriented approach to management.

Human Rights Principles

Taihan exercises the utmost due diligence to ensure that human rights of all stakeholders including employees are respected, and to prevent human rights violation throughout the business process. Accordingly, Taihan strictly abide by the standards and rules of the labor and human rights-related international organizations, such as the Universal Declaration of Human Rights (UDHR) of the UN, the UN Guiding Principles on Business and Human Rights (UNGPs), the OECD Guidelines for Multinational Enterprises, the Convention of the Rights of the Child of the UN, and the ILO (International Labor Organization) Fundamental Conventions.

<h1>01</h1> <p>Taihan respects the dignity and value of all its members, and dedicates the utmost effort to providing a good working environment.</p>	<h1>02</h1> <p>Taihan respects human rights protection and labor standards of international organizations, and prohibits discrimination by reason of gender, race, nationality, and religion, etc.</p>	<h1>03</h1> <p>Taihan complies with labor-related laws and regulations of each country, and applies this policy to all suppliers and investors.</p>
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Operating Guidelines

Taihan respects everyone's freedom and human rights and does not tolerate any discrimination. In order to deploy more responsible management activities, Taihan has established human rights protection operating guidelines and administers them strictly.

Combat



Forced labor



Child labor



Discrimination

Uphold



Compliance with working hours



Guarantee of minimum wage



Freedom of association



Creation of safe business environment

Key Activities

Family-Friendly Company Certification

Family-friendly company certified by the Ministry of Gender Equality and Family

Human Rights Protection Training

Workplace harassment prevention training
- Prohibition of superiors' habitual unfair instructions

Training on Internal Report System

Training on report types
- Prevention of human rights violation, whistleblower protection, protection of whistleblower identification, etc

Employees' Ethics Pledge

Pledge to comply with Ethical Regulations containing details on human rights protection

Regular Inspection of Labor Environment

Environmental, safety, and fire inspection in Dangjin Cable Plant

Talent Fostering

Talent fostering masterplan development, and online educational support
- Competency building training, on-the-job training, foreign language training, etc.

Retiree Support System

Operating program for reemployment of retirees in temporary positions

People

Taihan is unyielding in its endeavors to build a work environment that is conducive to the happiness of its employees. Taihan continues to nurture talent through systematic training, and creates a stable working environment that caters to the well-being of its workforce through assessments, rewards, and communication.

HR System

Talent

The talents of Taihan communicate with an open mind, pursue customer satisfaction with the best professionalism, and realize the future development with passion for their work.

Talents who constantly challenge themselves with an open mind and professionalism



Open Mind

Talents who constantly challenge themselves with an open mind and professionalism



Professional

Talents who create better value with the highest level of professionalism and a sense of ownership and pursue customer satisfaction with a responsible attitude



Passion

Talents who overcome trials and hardships with passion for work and ceaseless effort to realize the future developed through change and innovation



Securing and Nurturing Global Expertise

To fulfill Taihan's vision and operational objectives, continuous efforts are made to secure the Right People; those gifted with the talent necessary to help the company perform at its best. Based on respect for professionals who welcome openness and relentlessly embrace challenges, an intensive multistage recruitment process is carried out to select the best candidates for the company. Furthermore, in a bid to cultivate talent with global competitiveness, Taihan establishes comprehensive Master Plans and Road-Maps, and collaborates with external organizations to support online education.

Status of Educational Training

Actual Expenses for Educational Training (Unit: KRW Million)			
Sort	'22	'23	'24
Total educational expenses	238	240	317

Number of Employees Participating in Online Education			
	'22	'23	'24
	147	207	251

* The 2024 performance includes 10 participants in the partner support program.

Fair Assessment and Rewards

Taihan designs and operates a fair assessment and compensation system for its employees. Individual goals are set in line with organizational objectives, and annual performance is evaluated through comprehensive, multi-faceted analysis. Additionally, Taihan develops the necessary skills for each employee through assessments that strengthen individual capabilities. Wage adjustments, business performance bonuses, and promotions are implemented based on employee evaluation results to enhance motivation and job satisfaction.

Creating an Effective Organizational Culture

With the foundation of a healthy organizational culture, Taihan has launched a range of communication programs focused on employee participation. The company organizes workshops to promote open communication in the workplace and fosters interpersonal relationships through leisure activities such as clubs and hobby groups.

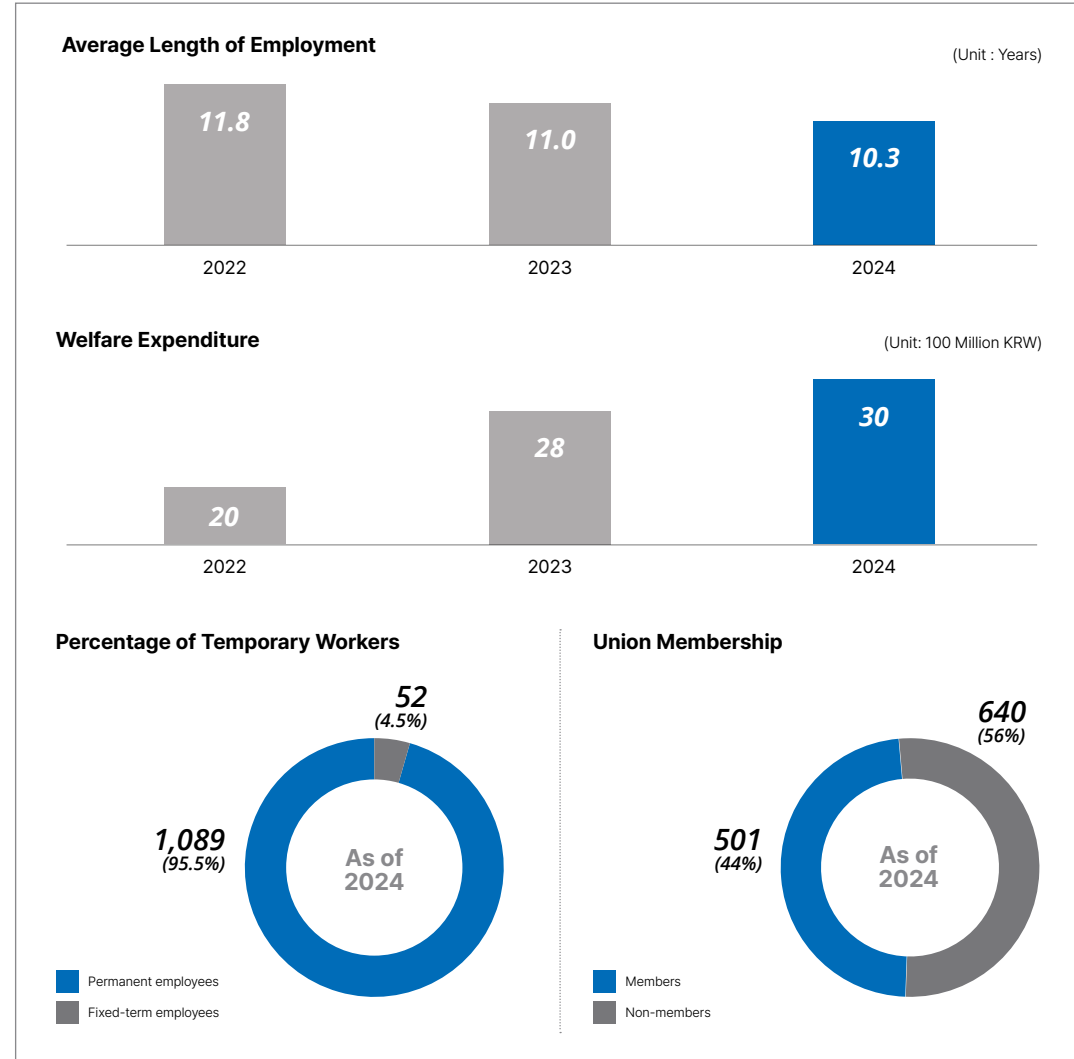
Pursuing the Realization of Work-life Balance

Dedicated to creating a happy workplace for its employees, Taihan obtained a Family-Friendly Business Certification in 2017 and has operated a staggered working-hour system to match its employees' unique lifestyles. Additionally, a stable employment environment has been created with 44% of employees participating as union members. These efforts have allowed Taihan to maintain a strike-free status, fostering a cooperative labor-management culture.



Family-Friendly Certification

2024 Employment Stabilization Activities



Honoring Workforce Diversity

Taihan warmly embraces diversity within the workforce, encouraging the transparent disclosure of gender, job role, age, and academic information. In addition, Taihan ensures equitable remuneration across all positions, irrespective of gender. Despite the manufacturing industry's lower employment rate of female workers overall, Taihan plans to rectify this imbalance through preferential hiring processes for women. To promote employment opportunities for people with disabilities, the company signed an agreement in December 2024 with Dangjin City Hall and the Dangjin City Sports Association for Persons with Disabilities, and subsequently hired 23 athletes with disabilities.



2024 Information on Workforce Diversity (Unit: persons)

Sort		'24
Number of executives and employees		1,141
Gender	Male	1,053
	Female	88
By job role	Managerial	626
	Functional	515

2024 Workforce by Type of Employment (Unit: persons)

Sort	'24
Permanent employees	1,089
Fixed-term employees	52
Total	1,141

2024 Wage Levels and Employment Ratio of Women and People With Disabilities

Wage Levels of Female Workers Compared to Male Workers (Unit: %)

Sort	'24
Taihan	73.9

Employment Ratio of Full-time Female Workers (Unit: %)

Sort	'24
Taihan	7.6
Taihan (Managerial)	17

Employment Ratio of Workers with Disabilities (Unit: %)

Sort	2024
Taihan	3.5

Health and Safety Management

Guided by its respect for humanity and its commitment to health and safety, Taihan designs and operates a comprehensive health and safety management system. Each employee at Taihan enthusiastically participates in health and safety activities, ensuring their workplace remains free from accidents, and keeping their homes happy.

Health and Safety Awareness and Education



Vision

Understanding that safety and health are the core values of Taihan Cable & Solutions and essential conditions for sustainable growth, Taihan is fully committed to protecting the lives and wellbeing of all employees.

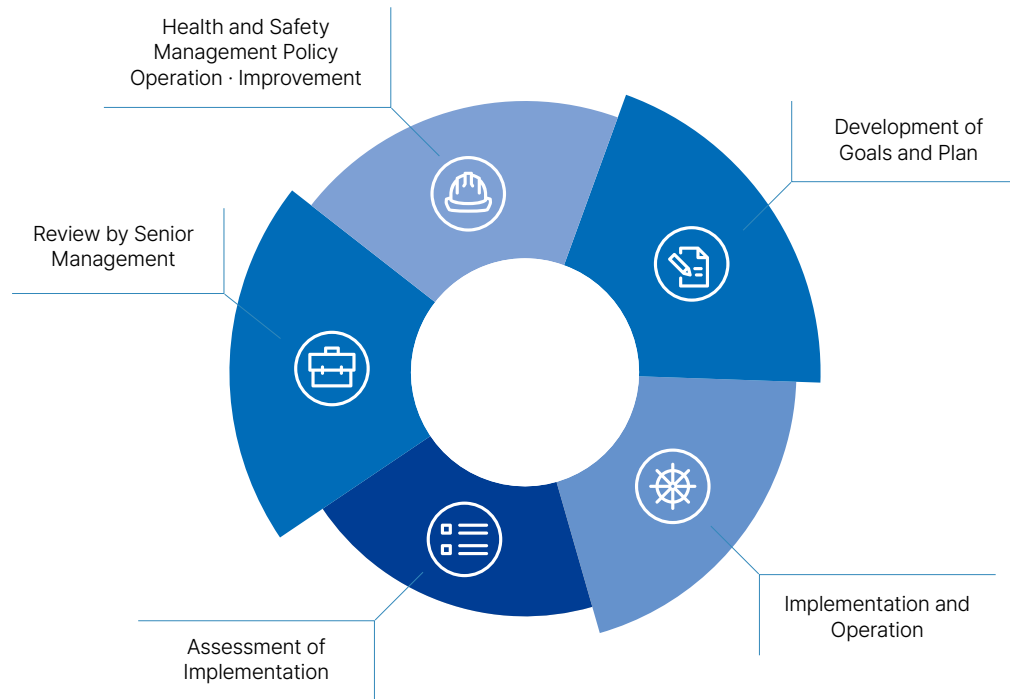


Direction of Initiatives

1. Identify all potential hazards and risk factors throughout all work processes and eliminate them proactively to ensure a safe and comfortable working environment.
2. Provide systematic and continuous safety and health education and training to raise awareness among employees and achieve a "zero industrial accident" workplace.
3. Comply with all applicable domestic and international safety and health laws and regulations, and maintain a robust safety and health management system based on these standards.
4. Share safety and health goals with all stakeholders through training and awareness initiatives, while strengthening accident prevention activities.
5. Regularly evaluate safety and health performance and pursue ongoing improvements and innovations based on the results.

Operating the Safety and Health Management System

Taihan takes health and safety practices into account in all business processes, including risk assessment, education and training, safety inspection, and emergency responses. To facilitate the continuous improvement and management of these procedures, Taihan utilizes the Process Safety Management (PSM) system along with the ISO45001 Health and Safety Management System.



ISO45001 Certificates

Key Activities

Holding a Meeting of the Industrial Safety & Health Committee

In order to improve the safety and health awareness of executives and employees and create an optimal working environment, labor and management work together to find and improve risk factors, and the Industrial Health and Safety Committee is held regularly.

Industrial Safety & Health Committee



Safety and Health Inspection

Accidents are prevented by conducting daily safety checks to discover risk factors and improve the working environment. Risk factors found as a result of the safety inspection are removed by implementing corrective measures. Hazardous mechanical devices such as cranes, hoists, and pressure vessels are secured through their own safety checks and the external specialized safety inspection agencies. By carrying out inspections and improvements, we do our best to ensure that our employees work in a safe environment.

Industrial Accident Status

Sort	'22	'23	'24
Number of accidents (cases)	1	3	3
Industrial accident rate (%)	0.15	0.28	0.27
Average industrial accident rate in manufacturing (%)	0.55	0.84	(Statistical Office Evaluation Ongoing)

Education on Safety and Health

Taihan raises employees' awareness of safety and health and regularly provides training on work.

In order to prevent safety accidents, special safety education is regularly provided to forklift and crane operation workers, who are high-risk machine operators. In addition, the company issues a monthly safety and health newsletter to raise awareness of potential hazards and prevent incidents. Safety training programs are also offered to strengthen the safety management capabilities of supervisors.



Safety Training Program for Supervisors



Forklift Safety Training



Crane (Hoist) Safety Training

Support for the Establishment of Safety and Health Management Systems for Partners

To establish safety and health management systems for its partner companies, Taihan is working with specialized organizations to provide support such as risk assessments, on-site inspections, safety training, and protective equipment.

Risk Assessment and Joint Safety and Health Inspection of Suppliers



Employee Health Checkup



Work Environment Audit

Improvement of Health of Employees

We conduct comprehensive health screenings and regular survey of the harmful factors for the continued health care of our employees. Employees whose findings are abnormal receive regular examinations and treatment in order to prevent the disease. In addition, the health of our employees is protected by the regular inspections of their working environment, as well as through health care, health promotion, and industrial hygiene management.

Enhancement of Emergency Response Ability

All employees receive regular training to prevent emergencies such as those caused by natural disasters, fires, or explosions, and to minimize damage and ensure the swift rescue of personnel in the event of an emergency or serious accident. Taking proactive action safeguards the safety of the employees and their workplace.

Emergency Evacuation Training and Serious Accident Response Drill

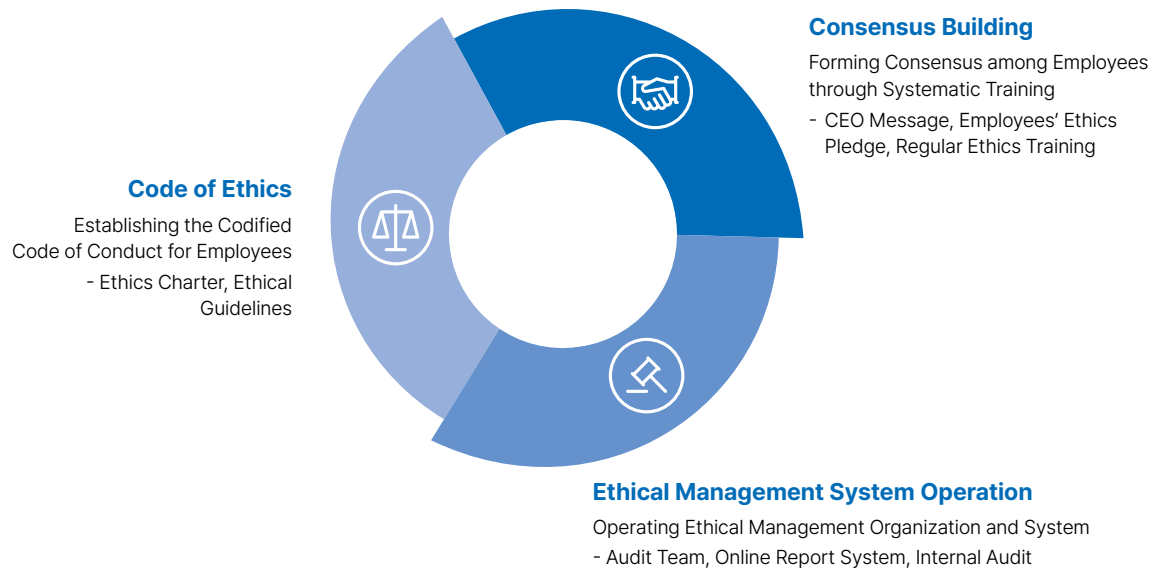


Ethical Management

As the influential power of businesses on countries and communities rises, so does the level of required corporate ethics. It is crucial that Taihan's executives and employees fully understand our Compliance with Anti-Corruption Laws and the Importance of Ethical Management, and exercise just management practices while adhering to these foundational principles.

3C Operation System

Taihan established the Code of Conduct for employees that is codified in detail to expand employees' interest in ethical management and promote the practice of ethical management. The Code of Conduct specifies clear standards of conduct, stipulates management to prevent violation of the principles and rules, and therefore contributes to creating a healthy corporate culture.



Key Activities

Anti-Corruption Program

In its code of ethics, Taihan stipulates the obligation to comply with Anti-Corruption Laws such as the OECD's International Commerce Bribery Convention and Korea's Act on the Prohibition of Unfair solicitation and payment of money, and etc.

Taihan clarifies detailed standards and guidelines for the Anti-Solicitation Laws, collects third-party violations and conducts regular training. Taihan has made the executives and employees submit ethical management pledges promising to comply with Anti-Corruption Laws.

RISK Prevention

According to the annual audit plan, Taihan selects high-risk tasks or departments and conducts internal audits on them, and continues to check the implementation of previous audit recommendations. Taihan effectively channels a range of employee communication methods to mitigate inefficiencies and rectify unjust practices. These measures proactively reduce risks.

Promotion and Education of Ethical Management

Taihan sent a letter from the CEO on the subject of ethical management to its employees in order to emphasize the practice of ethical management. The company encourages employee participation through periodic compliance training, publication of compliance letters, and signing of the Ethics Management Commitment Commitment, fostering a shared understanding of ethical management.

Taihan sent disposition forms on the subject of ethical management to its cooperating companies as well and distributed the consent forms ensuring fair and transparent transactions. With all of these initiatives across different communication and promotional channels, Taihan is improving the ethics of not only its own staff, but also the staff members at cooperating companies.

Compliance Program

In 2021, Taihan adopted Compliance Program, with both management and staff partaking in fair trade practices that reflect the firm's unwavering commitment to upholding the law. Taihan undertakes a range of activities to build a culture of independent compliance and fair, transparent dealings.

Taihan's CP

The Compliance Program (CP) is an internal compliance system operated voluntarily by a company to establish culture of transparent and fair market competition. In order to preemptively and actively comply Fair Trade laws and regulations and monitor any potential violation of laws and regulations that may occur during business activities, Taihan has introduced CP to fulfill its corporate responsibilities and roles.

Dedicated to promoting the development and adoption of an internally compliant fair trade culture, Taihan strives to prevent potential violations of laws and regulations. In particular, the firm works tirelessly to reinforce the autonomous compliance program, through targeted educational efforts for executives and employees, monitoring systems, and the launch of an online suggestion box.



Eight Key Elements of CP

Taihan implements the following eight key elements to run CP effectively.

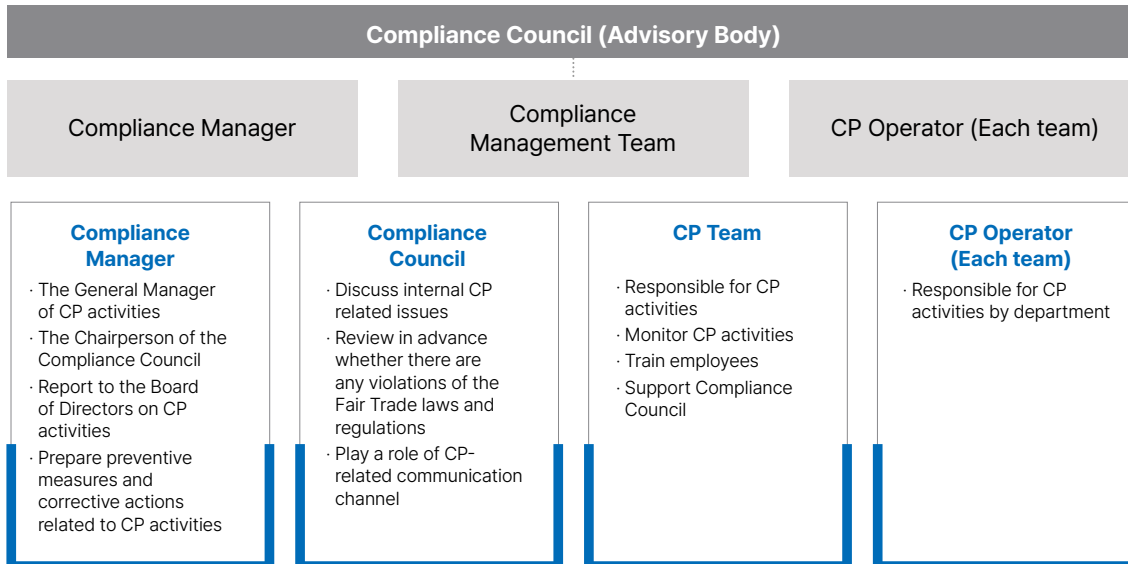
Implementation of CP Protocols	Adequate standards and protocols shall be established and implemented so that members of the Company can clearly understand and practice obligations under fair trade-related laws and regulations.
Expression of CEO's Own Volition and Willingness to Support CP	The CEO publicly declares his intention to implement CP and its policy and show willingness to support CP actively.
Appointment of Compliance Manager	Appoint compliance manager and delegate appropriate authority to take control of effective CP operation.
Publication of Compliance Manual	A compliance manual shall be issued under the responsibility of the compliance manager, which shall include relevant fair trade laws and regulations, CP standards and protocols. It shall be published in the form of an electronic document to enable members of the Company to access and utilize easily.
Education/Training of Compliance Program	Regular education and training shall be provided for the CEO, executives and employees in the purchasing and sales departments who may be prone to violation of Fair Trade laws and regulations.
Setting Up Internal Monitoring System	Monitoring system, by way of auditing, shall be in place to prevent and detect any potential violation of Fair Trade laws and regulations. Monitoring report shall be submitted to the Board for review (at least twice a year).
Penalties	Company's bylaw shall govern penalties for members of the company including executives for violation of relevant Fair Trade laws and regulations. Any degree of penalties shall fairly correspond to the severity of violation. Members of the company shall actively report any violation, and respond appropriately as part of pre-emptive action.
Performance Evaluation and Implementation of Corrective Actions	For effective CP performance, periodical review and evaluation about the CP performance, standards, protocols, etc. shall be carried out, and appropriate corrective actions shall be followed accordingly.



Establishment of a Dedicated Compliance Organization

To strengthen the independence and professionalism of its compliance operations, Taihan has established a dedicated Compliance Program (CP) team. The company has also built a compliance system aligned with global standards. In addition, a structured and ongoing training program is in place to prevent legal risks and enhance compliance awareness among employees.

CP Organization and Roles



Operational Status

Establishment and Revision of CP Regulations

Taihan has established and revised compliance-related regulations in line with global compliance trends. These efforts are aimed at upholding ethical business standards in accordance with international norms, strengthening anti-corruption capabilities, and enhancing the systematic operation of its internal compliance framework.

Implementation of Compliance and Fair Trade Training

Taihan continues to provide monthly training programs, orientation for new hires, workshops led by external experts, and other ad-hoc educational initiatives related to fair trade as part of the Compliance Program (CP).

Always-on Monitoring

Taihan constantly monitors all contacts with internal and external stakeholders, contracts, reports, and compliance with laws and regulations.

Internal Monitoring	Monitoring for direct and indirect contact such as information exchange and meetings with competitors and partners, and preparation of pre- and post-reports
External Monitoring	Monitoring for unfair trade practices and legal violations with partners and customers
Whistleblowing System	Whistleblowing system incorporated into groupware and websites
Review of Contracts	Review of contract provisions and confirmation as to whether post-contract performance is well-executed
Others	Ongoing basis monitoring for other matters deemed necessary by other relevant laws and regulations or by the CP manager

Reward and Punishment

Incentives are provided to employees or departments recognized for their contribution to fair trade and CP activities.

Compliance Monitoring Report		
Type	2024	2023
Violation of relevant fair trade laws and regulations	None	None

Evaluation of Voluntary Compliance Programs for Fair Trade

Taihan was the only company in the cable industry to be recognized as an outstanding company with an A grade in the Fair Trade Voluntary Compliance Program (CP) evaluation for two consecutive years, in both 2023 and 2024.

Social Responsibility

Since its founding, Taihan has continuously supported marginalized communities in fulfillment of its corporate social responsibilities. Guided by a people-centered management philosophy and a commitment to the value of sharing, Taihan strives to grow alongside local communities and remains committed to contributing to a more inclusive and sustainable future.

Social Contribution Value System

The new vision of <Connected World, Connected Happiness> embodies Taihan's will to create a win-win value by connecting people, space and time, thereby creating a World Free from Alienation and a Sustainable Future. Various social contribution activities are carried out under the following themes: The focus areas of Community, Education and Environment; and specific strategies for the development of local communities, growth of future generations, and expansion of eco-friendly activities.



Vision

Connected World, Connected Happiness

Goals



People

We create a win-win value that people, company, and society share together



Space

We share across regions and boundaries to create an alienation-free world



Time

We create a future sustainable from present to future and from generation to generation

Areas of Focus



Education



Community



Environment

Promotion Strategy

- Contribute to the development of the local community and the improvement of the quality of life of the residents
- Support the growth of future generations and provide educational opportunities
- Raise awareness of environmental protection and expand eco-friendly activities

Employee Volunteer Promotion System

Plan volunteer activities during working hours to encourage employee participation

2030 Long-Term Objectives

Beyond the Boundaries of the World

Taihan is committed to transcending boundaries and fostering growth alongside local communities

Community Collaboration Expansion

New Initiative Development

Human/Material Investment in the Community

Aiming for Growth in Harmony with Local Communities: Long-Term Goals and Achievements

Category	Achievements in 2024	Goals for 2025	Goals for 2026	Goals for 2027
Community Collaboration Expansion	<ul style="list-style-type: none"> Five volunteer activities in partnership with local communities Blood Donation Campaign (2 times) Waste Battery Exchange Campaign <ul style="list-style-type: none"> -Participation of 181 individuals / 5,315 batteries collected One Company-One Coast Campaign (2 times) Hoban Sarangnanumi <ul style="list-style-type: none"> -Participation of 163 individuals, 19 million KRW accumulated (Taihan) -Donations made to 14 organizations 	<ul style="list-style-type: none"> Strengthen partnerships with local community organizations Implement programs that reflect partner needs and generate meaningful results Plan sustainable long-term programs 	<ul style="list-style-type: none"> Establish additional partnerships with local communities Establish a sustainable investment model based on long-term community partnerships Promote ongoing communication with residents and identify local issues 	<ul style="list-style-type: none"> Expand global community partnerships Expand the diversity of collaborative programs Build a comprehensive evaluation system (quantitative & qualitative) for social value outcomes
New Initiative Development	<ul style="list-style-type: none"> Disassemble and recycle used toys Expand implementation of programs across affiliate companies 	<ul style="list-style-type: none"> Develop and promote new social contribution initiatives Broaden the diversity of beneficiary groups Conduct site-specific customized programs 	<ul style="list-style-type: none"> Launch projects that leverage the company's core expertise Establish a system for collecting and executing employee-led social contribution ideas 	<ul style="list-style-type: none"> Design new global corporate social responsibility (CSR) initiatives Continuously expand environment-focused CSR activities
Human/Material Investment in the Community	<ul style="list-style-type: none"> Donation to local welfare centers Promote hands-on volunteer work directly involving employees 	<ul style="list-style-type: none"> Expand the budget for community engagement programs 	<ul style="list-style-type: none"> Continuously increase employee participation, targeting at least one hour per person (for managerial staff) Establish systems to enhance employee participation in social contribution Expand the budget for community engagement programs 	<ul style="list-style-type: none"> Form dedicated teams for overseas social contribution initiatives Expand the budget for community engagement programs



Environmental Protection Activities

Taihan has been conducting steady environmental volunteer work in Dangjin, where its plant is located. Examples of volunteer work to create a clean and pleasant environment are the environmental cleanup activities along the Dangjin coast and the tree-planting activity in Dangjin. The company has also taken part in installing frog ladders to support the conservation of the endangered Korean golden frog.

In addition, Taihan conducts a campaign to dismantle and recycle discarded toys. As part of this effort, employees dismantled approximately 80 toys and carefully sorted the components into recyclable plastic and metal parts. This activity helps achieve resource recycling and enables environmental protection.

To promote carbon neutrality in everyday life, Taihan organized a "Used Battery Recycling Campaign" for its employees. A total of 5,543 used batteries were collected and donated to Dangjin City along with KRW 10 million. The batteries will be recycled to recover valuable materials such as zinc, manganese, iron, and nickel, while the donation will support the operation of a local resource recycling center aimed at preventing environmental pollution. This initiative goes beyond simple recycling, helping to protect the environment, raise community awareness of resource circulation, and contribute to carbon neutrality.



Support for the Community

Since 2014, Taihan has partnered with the Bisan Social Welfare Center in Anyang to engage in a variety of activities that embrace all classes of the local community. The company has continued to support neighbors in need through a wide range of themed volunteer activities, including "Love Lunchbox Making," "Living Environment Improvement," "Free Meal and Rice Donation," and "Healing Outings for Seniors Living Alone."

Employees of the Hoban Group also participated in the "Blood Donation Campaign for Love," an initiative that has been ongoing since 2013. In 2024, blood donations were collected at the head office, the Dangjin Cable Plant, and the Dangjin Solution Plant to help stabilize the national blood supply. Approximately 200 employees took part in the campaign and donated around 700 blood donor cards.

Participation in 'Hoban Sarangnani'

As part of the Hoban Group, Taihan serves an active role in social contribution activities. The "Hoban Sarangnani" initiative brings together Hoban Group employees who voluntarily contribute to the fund each month. As of 2024, 163 Taihan employees have contributed to this fund.

Throughout the year, group employees participated in hands-on volunteer activities and donations for the local community, future generations, and environment, including "War Memorial Environmental Cleanup," "Environmental Improvement for Local Elementary Schools," and "Volunteering at Single-Parent Welfare Center." The company also provided generous support to help local residents get through the winter, sharing kimchi and donating charcoal briquettes. Taihan will continue practicing the value of sharing with the Hoban Group.

Governance

Transparent Management

Taihan is building an advanced corporate governance structure based on the establishment of a professional management system and the reinforcement of board independence. Through these efforts, the company ensures transparency, protects shareholder rights and interests, and enhances its long-term sustainability and corporate value.

Strengthening the Independence of Construction and Operation of the Board of Directors

To improve management transparency, Taihan ensures the independence and diversity of its board of directors. The board currently consists of seven members, with more than half serving as independent directors. Each board member contributes to enhancing corporate value by supporting creative and effective decision-making based on a deep understanding of business operations and specialized expertise.

In March 2024, the company appointed the President of Planning and Strategy at the Hoban Group as a new non-executive director, thereby strengthening strategic collaboration at the group level and laying the foundation for maximizing synergies.

Operating the Audit Committee

Taihan is making the efforts for securing the fairness and transparency of the operation of the company after having established the Audit Committee in accordance with the paragraph 1, Article 25 of the Articles of Association for implementing the accounting and auditing works and the assessment of the internal control systems.

Since 2024, Taihan has been conducting in-depth management audits of its overseas subsidiaries and branches, led by the internal audit department. The results are reported to the Audit Committee, reinforcing the board-level



review and feedback mechanisms. These efforts have enabled the company to assess the internal control capabilities of its global operations, identify areas for improvement, and further strengthen the foundation for transparent management in line with global standards.

Going forward, Taihan will continue to carry out regular assessments and improvement activities for its overseas operations to advance its internal control systems and establish compliance practices aligned with international standards.



Financial Section



Independent Auditor's Report



Consolidated Statements of Financial Position



Consolidated Statements of Comprehensive Income



Consolidated Statements of Changes in Equity



Consolidated Statements of Cash Flows

044

Independent auditor's report

The Shareholders and Board of Directors
Taihan Cable & Solution Co., Ltd.

Opinion

We have audited the consolidated financial statements of Taihan Cable & Solution Co., Ltd. (the "Company") and its subsidiaries (collectively referred to as the "Group"), which comprise the consolidated statements of financial position as of December 31, 2024 and 2023, and the consolidated statements of comprehensive income, consolidated statements of changes in equity and consolidated statements of cash flows for each of the two years in the period ended December 31, 2024, and the notes to the consolidated financial statements, including a summary of material accounting policy information.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of the Group as of December 31, 2024 and 2023, and its consolidated financial performance and its consolidated cash flows for each of the two years in the period ended December 31, 2024 in accordance with International Financial Reporting Standards as adopted by the Republic of Korea. ("KIFRS")

Basis of Opinion

We conducted our audit in accordance with Korean Standards on Auditing ("KSA"). Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the consolidated financial statements section of our report. We are independent of the Group in accordance with the ethical requirements that are relevant to our audit of the consolidated financial statements in the Republic of Korea, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Key Audit Matters

A key audit matter is the matter that, in our professional judgment, was of most significance in our audit of the consolidated financial statements of the current period. This matter was addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on this matter.

Assessment on recoverability of deferred tax assets

As described in Note 2.3.23 to the consolidated financial statements, the carrying amount of deferred tax assets is assessed by the Group at each reporting date, and the Group recognizes deferred tax assets to the extent that it is probable that taxable income will be available against which the deductible temporary differences can be utilized.

Assessing the realizability of deferred tax assets bears inherent complexity as it involves management judgment for the estimation of future taxable income and determination of the period in which the future tax credit will be utilized. Considering the fact that the estimation of future taxable income involves significant management judgment and inherent uncertainty in determining key variables such as expected sales and operating expenses, and therefore, the assessment with regards to the realizability of deferred tax assets was identified as a key audit matter.

As the main audit procedures to address the key audit matter, we did:

- Assess key input variables such as sales and operating expenses which supported the estimation of the future taxable income through inspection of recent business forecasts and past performance reported to the Board of Directors.
- Perform a comparison between actual operating performance and expected future taxable income to evaluate the accuracy of the estimation for taxable income.
- Assess the timing of the utilization of the tax loss carryforwards and deductible temporary differences.

Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with KIFRS, and for such internal control as management determines is necessary to enable the preparation of the consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Group's financial reporting process.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with KSA will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with KSA, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The partner in charge of the audit resulting in this independent auditor's report is Heekyun Shin.

This audit report is effective as of March 20, 2025 the independent auditor's report date. Accordingly, certain material subsequent events or circumstances may have occurred during the period from the auditor's report date to the time this report is used. Such events and circumstances could significantly affect the accompanying consolidated financial statements and may result in modifications to this report.

March 20, 2025

Ernst & Young Han Young

Consolidated Statements of Financial Position

as of December 31, 2024 and 2023

Korean won in thousands

	2024	2023
Assets		
Current assets		
Cash and cash equivalents	333,476,916	289,331,472
Short-term financial instruments	271,154,000	9,596,000
Trade receivables	441,208,399	395,631,163
Short-term loans	175,431	105,279
Other current financial assets	24,459,470	19,062,673
Inventories, net	596,570,482	459,812,516
Income tax receivable	562,279	1,496,140
Other current assets	108,169,380	90,706,479
	1,775,776,357	1,265,741,722
Non-current assets		
Financial assets at fair value through profit or loss	20,496,509	26,938,085
Financial assets at amortized cost	2,907,930	-
Financial assets at fair value through OCI	9,776	8,858
Investment in associates and a joint venture	4,461,668	4,754,742
Long-term loans	53,313	22,342
Other non-current financial assets	14,631,159	6,789,087
Property, plant and equipment, net	712,200,209	482,308,345
Intangible assets, net	12,387,117	11,430,332
Investment properties, net	1,078,013	1,173,299
Net employee defined benefit assets	897,114	-
Deferred tax assets	71,211,229	62,136,009
Other non-current assets	26,615,814	17,262,279
	866,949,851	612,823,378
Total assets	2,642,726,208	1,878,565,100

Korean won in thousands

	2024	2023
Liabilities		
Current liabilities		
Trade payables	384,031,867	290,919,413
Short-term borrowings	142,230,600	165,357,099
Current portion of long-term borrowings	20,000,000	20,000,000
Current convertible bond	69,706,311	-
Other current financial liabilities	143,783,989	51,169,252
Income tax payable	1,404,519	541,640
Current provisions	13,075,325	11,150,047
Other current liabilities	145,905,799	143,206,268
	920,138,410	682,343,719
Non-current liabilities		
Long-term borrowings	210,000,000	225,000,000
Other non-current financial liabilities	6,509,614	4,655,646
Net employee defined benefit liabilities	-	7,743,063
Other Non-current liabilities	5,871,784	4,183,326
Non-current provisions	3,241,439	479,601
Deferred tax liabilities	852,489	873,989
	226,475,326	242,935,625
Total liabilities	1,146,613,736	925,279,344
Equity attributable to equity holders of the parent		
Issued capital	186,447,300	124,447,300
Other components of equity	984,544,364	586,948,599
Accumulated other comprehensive loss	(82,953,250)	(91,644,657)
Retained earnings	385,165,158	316,750,354
	1,473,203,572	936,501,596
Non-controlling interests	22,908,900	16,784,160
Total equity	1,496,112,472	953,285,756
Total liabilities and equity	2,642,726,208	1,878,565,100

Consolidated Statements of Comprehensive Income

for each of the two years in the period ended December 31, 2024

Korean won in thousands, except per share amounts

	2024	2023
Sales	3,291,299,375	2,843,980,012
Cost of sales	3,027,913,181	2,651,978,862
Gross profit	263,386,194	192,001,150
Selling and administrative expenses	148,216,437	112,177,262
Operating profit	115,169,757	79,823,888
Non-operating income and expenses		
Other non-operating income	59,154,117	34,591,775
Other non-operating expenses	46,889,391	33,586,869
Finance income	29,439,469	26,323,974
Finance costs	80,324,153	41,206,968
Share of loss of associate and joint ventures	644,360	460,954
Profit before tax from continuing operations	75,905,439	65,484,846
Income tax expense (benefit)	1,715,037	(6,338,152)
Profit for the year from continuing operations	74,190,402	71,822,998
Discontinued operations		
Profit(loss) after tax for the year from discontinued operations		
Profit for the year	74,190,402	71,822,998

Korean won in thousands, except per share amounts

	2024	2023
Other comprehensive income (loss):		
Other comprehensive income (loss) that will not be reclassified to profit or loss in subsequent periods (net of tax):		
Remeasurement loss on the net defined benefit plans	(2,030,640)	(2,393,640)
Gain (loss) on valuation of derivatives	(2,535,479)	4,487,826
Net other comprehensive gain (loss) that will not be reclassified to profit or loss in subsequent periods (net of tax):	(4,566,119)	2,094,186
Other comprehensive income that may be reclassified to profit or loss in subsequent periods (net of tax):		
Share of other comprehensive loss of a joint venture	351,286	48,402
Exchange differences on translation of foreign operations	13,255,382	(2,248,594)
Net other comprehensive income that may be reclassified to profit or loss in subsequent periods (net of tax):	13,606,668	(2,200,192)
Total other comprehensive income (loss) for the year, net of tax	9,040,549	(106,006)
Profit for the year attributable to:		
Equity holders of the parent	70,445,444	70,616,029
Non-controlling interests	3,744,958	1,256,969
	74,190,402	71,872,998
Total comprehensive income attributable to:		
Owners of the parent	77,106,211	71,703,996
Non-controlling interests	6,124,740	62,996
	83,230,951	71,766,992
Earnings per share for continuing operations:		
Basic earnings from continuing operations attributable to ordinary equity holders of the parent	409	571
Diluted earnings from continuing operations to ordinary equity holders of the parent	409	570
Earnings per share:		
Basic earnings for the year attributable to ordinary equity holders of the parent	409	571
Diluted earnings for the year attributable to ordinary equity holders of the parent	409	570

Consolidated Statements of Changes in Equity

for each of the two years in the period ended December 31, 2024

Korean won in thousands

Attributable to the equity holders of the parent

	Issued capital	Other components of equity	Accumulated other comprehensive loss	Retained earnings	Equity attributable to of the parent	Non-controlling interests	Total equity
As of January 1, 2023	124,447,301	588,574,839	(95,126,264)	248,527,965	866,423,841	15,780,462	882,204,303
Profit for the year	-	-	-	70,616,029	70,616,029	1,256,969	71,872,998
Remeasurement gain on the net defined benefit plans	-	-	-	(2,393,640)	(2,393,640)	-	(2,393,640)
Loss on valuation of derivatives	-	-	4,487,826	-	4,487,826	-	4,487,826
Changes in equity of associates and joint venture under equity method	-	-	48,402	-	48,402	-	48,402
Exchange differences on translation of foreign operations	-	-	(1,054,621)	-	(1,054,621)	(1,193,973)	(2,248,594)
Total comprehensive income	-	-	3,481,607	68,222,389	71,703,996	62,996	71,766,992
Consolidation of shares	(1)	1	-	-	-	-	-
Share of other comprehensive income of a subsidiary	-	-	-	-	-	940,702	940,702
Acquisition of treasury shares	-	(1,553,026)	-	-	(1,553,026)	-	(1,553,026)
Exercise of share-based payment	-	(416,228)	-	-	(416,228)	-	(416,228)
Disposal of treasury shares	-	65,917	-	-	65,917	-	65,917
Gain on disposal of treasury shares	-	277,096	-	-	277,096	-	277,096
As of December 31, 2023	124,447,300	586,948,599	(91,644,657)	316,750,354	936,501,596	16,784,160	953,285,756

Consolidated Statements of Changes in Equity

for each of the two years in the period ended December 31, 2024

Korean won in thousands

Attributable to the equity holders of the parent

	Issued capital	Other components of equity	Accumulated other comprehensive loss	Retained earnings	Equity attributable to of the parent	Non-controlling interests	Total equity
As of January 1, 2024	124,447,300	586,948,599	(91,644,657)	316,750,354	936,501,596	16,784,160	953,285,756
Profit for the year	-	-	-	70,445,444	70,445,444	3,744,958	74,190,402
Remeasurement gain on the net defined benefit plans	-	-	-	(2,030,640)	(2,030,640)	-	(2,030,640)
Loss on valuation of derivatives	-	-	(2,535,479)	-	(2,535,479)	-	(2,535,479)
Changes in equity of associates and joint venture under equity method	-	-	351,286	-	351,286	-	351,286
Exchange differences on translation of foreign operations	-	-	10,875,600	-	10,875,600	2,379,782	13,255,382
Total comprehensive income	-	-	8,691,407	68,414,804	77,106,211	6,124,740	83,230,951
Paid-in capital increase	62,000,000	397,311,264	-	-	459,311,264	-	459,311,264
Exercise of share-based payment	-	(831,141)	-	-	(831,141)	-	(831,141)
Disposal of treasury shares	-	550,728	-	-	550,708	-	550,728
Gain on disposal of treasury shares	-	564,914	-	-	564,914	-	564,914
As of December 31, 2024	186,447,300	984,544,364	(82,953,250)	385,165,158	1,473,203,552	22,908,900	1,496,112,472

Consolidated Statements of Cash Flows

for each of the two years in the period ended December 31, 2024

Korean won in thousands

	2024	2023
Operating activities		
Profit for the year	74,190,402	71,872,998
Adjustments to reconcile profit before tax to net cash flows provided by operating activities	56,992,404	47,466,337
Working capital adjustments:	(96,743,904)	(63,893,280)
Interest received	11,841,647	6,053,020
Interest paid	(31,590,019)	(26,361,602)
Dividends received	1,470	1,732
Income tax paid	(7,940,402)	(4,422,203)
Net cash flows used in operating activities	6,751,598	30,717,002
Investing activities		
Decrease in short/long-term loans	6,142,927	1,527,576
Decrease in financial assets at fair value through profit or loss	1,022,511	172,463,943
Decrease in investments in subsidiary	-	2,310
Increase in short- and long-term financial instruments	(262,000,000)	(5,129,699)
Decrease in other financial assets	1,974,297	1,316,395
Proceeds from disposal of property, plant and equipment	487,491	2,220,105
Proceeds from disposal of intangible assets	-	2,127,273
Proceeds from disposal of investment property	-	500,500
Receipt of government grants	44,384	160,446
Increase in short/long-term loans	(625,935)	(1,350,335)
Increase in financial assets at fair value through profit or loss	-	(100,000,000)
Increase in financial assets at amortized cost	(2,907,930)	-
Increase in other financial assets	(994,125)	(972,434)
Acquisition of property, plant and equipment	(128,960,244)	(126,017,035)
Acquisition of intangible assets	(1,291,825)	(4,151,155)
Net cash flows used in investing activities	(387,108,449)	(57,302,110)

Korean won in thousands

	2024	2023
Financing activities		
Proceeds from short-term borrowings	300,625,946	493,419,504
Repayment of short-term borrowings	(329,106,622)	(406,548,969)
Proceeds from long-term borrowings	5,000,000	35,000,000
Increase in leasehold deposits	-	25,000
Decrease in leasehold deposits	(80,000)	(30,000)
Increase of paid-in capital	459,311,264	-
Proceeds from convertible bond	(12,514)	-
Repayment of current portion of long-term borrowings	(20,000,000)	(20,000,000)
Decrease in other financial liabilities	(4,682,555)	(3,013,063)
Acquisition of treasury stocks	-	(1,553,026)
Net cash flows provided by (used in) financing activities	411,055,519	97,299,446
Exchange differences on translation of foreign operations	6,001,365	13,687
Net increase in cash and cash equivalents	36,700,033	70,728,025
Cash and cash equivalents at January 1	289,331,472	217,217,061
Effect of exchange rate fluctuations on cash and cash equivalents	7,445,296	1,386,386
Changes of consolidation scope	115	-
Cash and cash equivalents at December 31	333,476,916	289,331,472

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