

Discover HC&G Co., Ltd. – Your Trusted Partner for Success in 2025!



Join us as we introduce HC&G Co., Ltd., a company dedicated to being your reliable partner on the road to business success in 2025, and get ready to explore new opportunities together.

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Welcome to HC&G Co., Ltd.

- Join us as we introduce HC&G Co., Ltd., a company dedicated to being your reliable partner on the road to business success in 2025.
- We are ready to explore new opportunities together, leveraging our expertise in nuclear, industrial, and communication sectors.
- HC&G is committed to delivering innovative solutions, certified quality, and trusted partnerships for your business growth.
- Our journey is defined by strategic projects, global alliances, and a focus on safety, reliability, and long-term value.

Today's Agenda: Unlocking Opportunities Together

Our Journey, Vital Stats, Meet Our Team

- Explore HC&G's key milestones from inception to growth, highlighting strategic projects and market expansions.
- Review essential data showcasing HC&G's expertise, financial strength, exclusive products, and global alliances.
- Introduction to leadership and expert personnel driving innovation and success across sectors.

Industry Expertise, Certified Quality, Major Sales & Partnerships

- Overview of the diverse sectors HC&G serves, including nuclear, industrial, marine, and communication networks.
- Highlight product certifications, registrations, and quality assurance supporting safety and reliability.
- Summary of key sales achievements, trusted business partners, strategic alliances, and innovative solutions.



Our Journey of Excellence



Powerful Data That Drives Confidence



Seasoned Experts

Our team of 13 specialists brings over 25 years of nuclear market mastery, ensuring expert knowledge and tailored solutions for critical projects.



Global Alliances

Our network includes over 15 global partnerships, expanding our reach and enhancing collaborative opportunities worldwide.



Financial Strength

With an annual contract revenue around 15 million USD, HC&G demonstrates consistent growth and a solid foundation to support large-scale projects.



Market Leadership

Backed by 60+ years of rigorous cable lifetime qualification, our products guarantee unmatched durability and reliability in demanding environments.



Exclusive Product Range

We offer unique coaxial, UTP, and fiber optic special cables available only through us, setting new standards in quality and innovation.



Certified Nuclear Safety

Pioneers in Korea, HC&G developed the Nu GIGA60+ FOC and holds key nuclear LOCA safety certifications, underscoring commitment to safety and innovation.

HC&G's Leadership Team Driving Success



Kevin Oh - Visionary CEO

Kevin Oh leads HC&G with a clear vision for innovation and growth, steering company strategy in nuclear and fiber optic cable industries.



Will Choo - Strategic Sales Director

Will Choo drives sales excellence and market expansion within the nuclear sector, building strong client relationships and securing key contracts.



Jang - Efficient Administration Leader

SH Kim ensures smooth organizational operations through effective administration and process management, supporting company-wide productivity.



JS Gong - Expert Director, Industrial & FOC

JS Gong provides technical leadership in industrial and fiber optic cable projects, ensuring high-quality delivery and client satisfaction.



DI Choi - Innovative Outsourcing Director

DI Choi optimizes vendor partnerships and supply chains, enhancing operational efficiency and project execution.



SH Kim - Emerging Talent, Sales Manager

Jun Kim supports the sales team with client engagement and project coordination, contributing to new business development.

Our Dynamic Organization



Executive Leadership

Led by CEO Kevin Oh, the executive team focuses on strategic growth and innovation in nuclear and fiber optic cable industries.



Sales & Business Development

Sales Director Will Choo and Industrial Director JS Gong lead client relations and market expansion in nuclear and industrial sectors.



Operations & Outsourcing

Outsourcing Director DI Choi manages vendor partnerships and operational efficiency, optimizing supply chains and project delivery.



Administration & Junior Sales Management

The sales and administration team including SH Kim, David, YJ Jang, Clara, and Junior Sales Manager Jun Kim ensures smooth daily operations and supports client engagement.

Industries We Work With



Industrial Sector

HC&G supplies robust cables and solutions for manufacturing, automation, and control systems, ensuring durable and high-performance industrial operations.



Marine Industry

We provide certified cables and equipment for commercial, special, and naval ships, supporting reliable maritime operations and specialized naval requirements.



Communication Networks

Our fiber optic and communication cables enable high-speed data transmission, crucial for advanced telecommunications and network infrastructure.



Defence Applications

HC&G offers defense-grade optical and special cables designed to meet stringent military standards for security, durability, and mission-critical use.



Power Generation

We deliver cables and systems tailored for power plants, including instrumentation, control, and safety cables to support efficient energy production.



Nuclear Power

Specializing in nuclear-qualified cables and equipment, our products meet rigorous certifications ensuring safety and long-term reliability in nuclear power plants.

Certified Quality & Product Registrations



Product Certifications

Certified products include Habia cables (E243, E242, E247, 201Q/A), GOC cables (E244), Armatury Group valves (EJ108 A/B, EP104 A/B), SIGMA Group pumps (M212), and AIS fire protection (518-1(A)), ensuring compliance with nuclear safety standards.



Product Scope

Our portfolio covers special nuclear cables, fiber optic cables, valves, pumps, fire protection systems, and mechanical plant equipment tailored for nuclear power and industrial applications.



Client Registrations

Registered with key clients such as KHNP, GOC, Armatury Group, SIGMA Group, PraKab, AIS, COMES, and major EPCs including Doosan, Daewoo, and Hyundai E&C for specialized nuclear and industrial products.



Quality Assurance

All products meet rigorous nuclear industry standards and certifications, supporting safety, reliability, and longevity in critical nuclear power plant operations worldwide.

Major Sales Records & Projects

KHNP Projects

Executed significant sales of specialized cables and fiber optic solutions for KHNP, including E247 cables for SKN units and E244 cables for SHN units, supporting lifetime extension projects at Kori Nuclear Power Plant.

Doosan & Daewoo Contracts

Supplied MMIS fiber optic cables and control wiring to Doosan, alongside cables for nuclear waste disposal facilities for Daewoo E&C, strengthening relationships with top Korean EPC firms.

Nuclear Device Companies

Collaborated with Woori Technology, BK Electronics, and YPP, delivering specialized cables and components tailored for nuclear device applications, enhancing product reliability.

Other Key Sales

Delivered turbine replacement cables for Hanul Nuclear Plant and completed multiple special cable projects supporting maintenance and upgrades across various nuclear power plants.



Trusted Business Partners & Offerings



Habia Cable

Swedish leader providing 60-year qualified nuclear cables, including LV power, instrument control, and special cables certified for nuclear safety.



UJV Rez

Czech nuclear research organization collaborating on nuclear project certifications and cable qualifications, strengthening safety standards with KHNP and KEPCO.



AIS Fire Protection

UK-based provider of passive fire protection solutions certified for KHNP BOP 518-1(A), enhancing nuclear power plant safety with advanced fire wrapping technology.



Armatury Group & SIGMA Group

Czech manufacturers supplying nuclear-grade valves and pumps certified for KHNP projects, supporting plant safety and operational efficiency.

Fiber Optic Cable Business & Expertise

01 Comprehensive Product Range

HC&G offers Nu-giga60 fiber optic cables available in both multi-mode and single-mode variants. These products are specifically engineered for nuclear safety and non-safety applications, fully compliant with IEEE 1682 standards to ensure maximum performance and durability.

02 Certifications & Qualifications

Our fiber optic cables carry 60-year nuclear qualification certifications, including KHNP E244B, Doosan MMIS FO cable, and OPP FO cable qualifications. These certifications guarantee cable reliability in the most demanding nuclear power environments.

03 Key Project References

Installed in major nuclear plants such as KHNP SHN3&4 and Doosan MMIS projects, our fiber optic cables support operational excellence and long-term service life, reinforcing HC&G's leadership in nuclear fiber optic solutions.

UJV Rez Strategic Partnership



01 UJV Rez: EU Nuclear Project Expertise

UJV Rez, based in the Czech Republic, provides nuclear project support in the EU with critical expertise and testing capabilities.



02 Key Points of the UJV Rez Partnership

HC&G and UJV Rez collaborate on Korean nuclear projects, recognize 60-year cable qualifications, and have an MOU with KHNP and KEPCO E&C.

Radiation Monitoring and Passive Fire Protection



01 AIS Passive Fire Protection

UK-based specialist in passive fire protection for nuclear power plants. Certified to KHNP BOP 518-1(A) fire wrapping standards, ensuring compliance and safety. Focused on expanding nuclear applications through partnership with UJV Rez. Provides fire protection solutions that enhance safety and regulatory compliance within nuclear facilities.



02 Mate-Fin Radiation Monitoring Systems

Romanian company with over 30 years of nuclear project experience. Develops integrated radiation and tritium monitoring systems for nuclear plants. Supports radioactive waste management and nuclear HVAC, plumbing, and electrical systems. Key references include Cernavoda Nuclear Power Plant and KHNP's TRF Radiation Monitoring System (CJ203).

Valves and Pumps for Nuclear Power Plants

SIGMA Group Pumps

- Manufactures condensate, water, fire-fighting, booster, and diesel pumps.
- Certified with KHNP M212 centrifugal pump certification for nuclear applications.
- Widely used in Czech nuclear plants like Dukovany and VVER reactors.
- Supports safety and operational efficiency in demanding nuclear environments.
- Partnerships with KHNP and Westinghouse through strategic MOUs.

Armatury Group Valves

- Specializes in gate, swing check, and butterfly control check valves.
- Certified for high and low-pressure nuclear power plant applications.
- Holds KHNP El-Dabaa certifications: EJ108 A/B and EP104 A/B ball valves.
- References include Dukovany and VVER nuclear power plants in Czech Republic.
- Collaborates with Doosan SKODA, KHNP, and Westinghouse via MOUs.



Compressors, Cranes & Mechanical Equipment



ATMOS Systems Compressors & Adamec Crane Systems

ATMOS Systems provides portable and industrial compressors certified for the Dukovany Nuclear Power Plant, ensuring dependable air compression solutions in demanding environments. Adamec specializes in nuclear-grade cranes, runways, and hoists for heavy manufacturing and nuclear power plant needs, with projects including Dukovany NPP and Praha Railway.



COMES Mechanical Plants

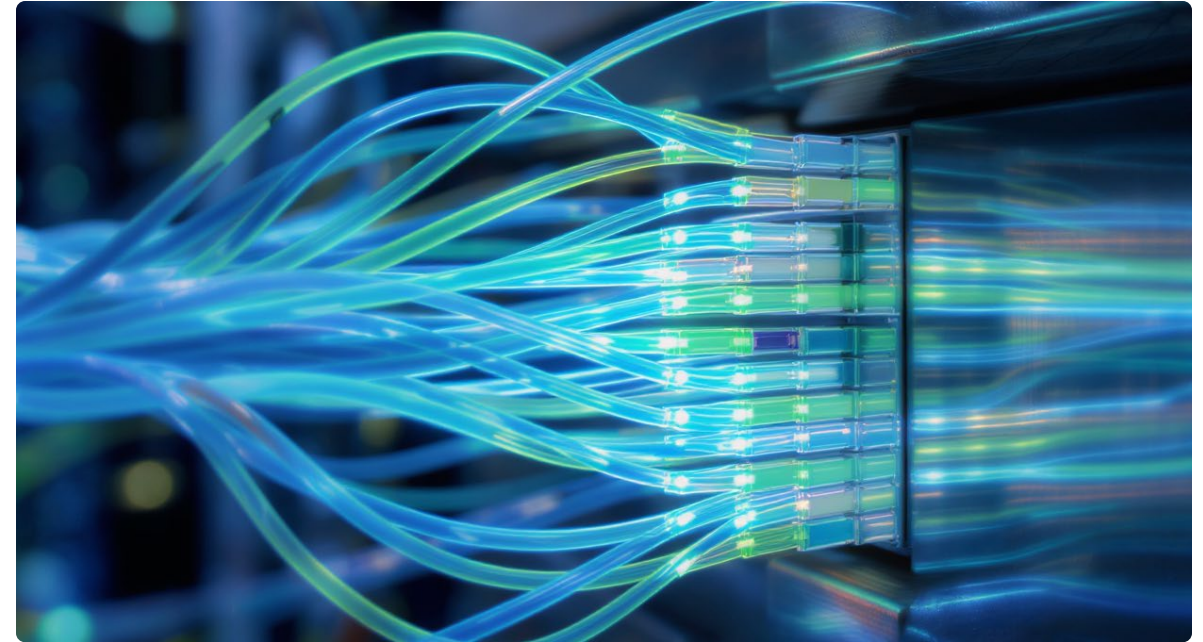
COMES manufactures heat exchangers, pressure vessels, and process reactors with PED, ASME, and ISO 9001 certifications. Their turnkey projects include major installations at the Cernavoda Nuclear Power Plant.

Telecommunication & Fiber Optic Partners



Industry-Leading Fiber Optic Manufacturers

Hengtong International Engineering, ES Cable, and J-Fiber GmbH deliver safety and non-safety multi-mode and single-mode fiber optic cables for commercial, industrial, and telecom needs worldwide.



Innovative and Inclusive Connectivity Solutions

OFS Communications specializes in commercial fiber optic products, supporting government funding and recovery programs, and advancing inclusive technology for high-speed networks.

Data Center Solutions

Nuclear-Grade Reliability

HCNG is expanding into next-generation Data Center infrastructure, leveraging its nuclear-grade reliability to deliver trusted and robust solutions.

Key Solution Pillars

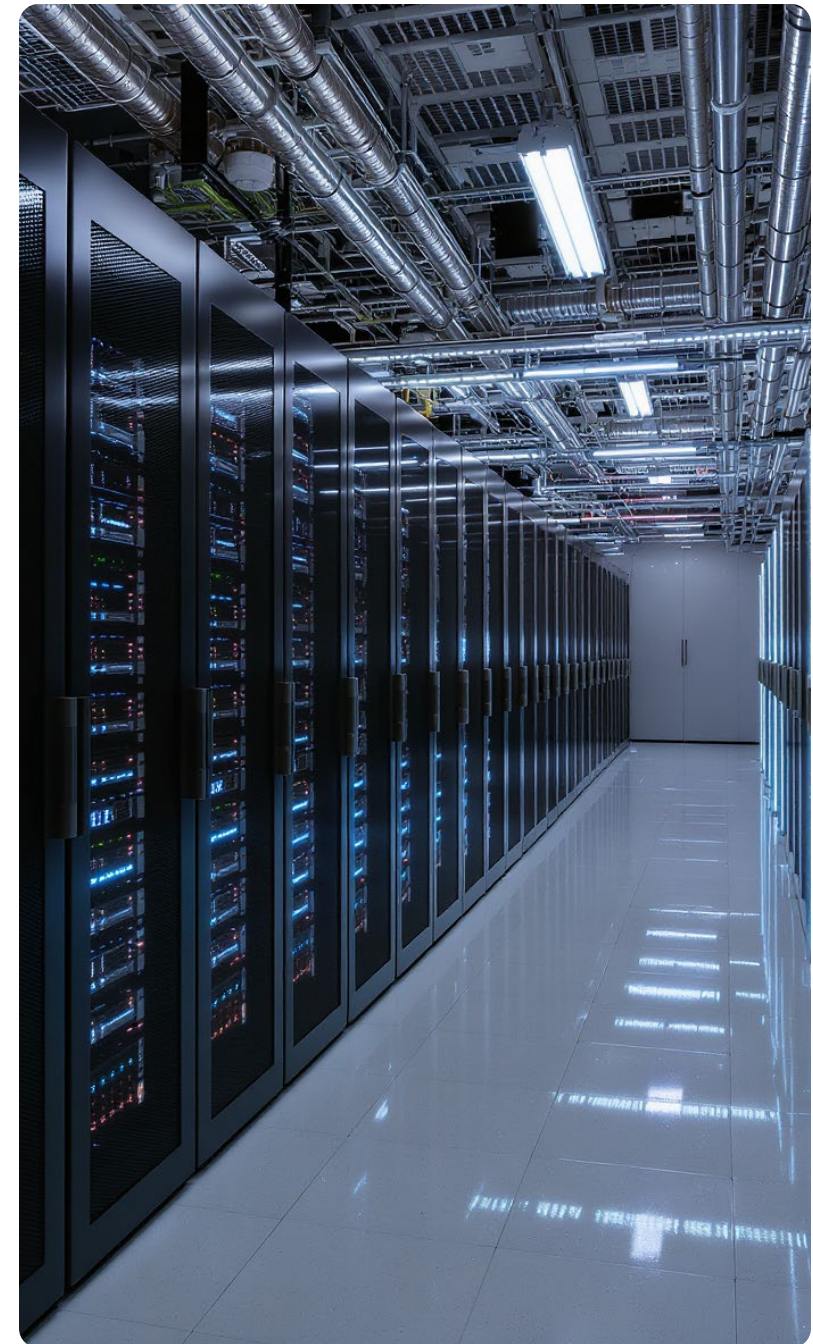
- iXora Immersion Cooling – Rack-Mountable, sustainable, PUE <1.05
- CPI Server Racks & Monitoring – Hyperscale-ready infrastructure
- Datwyler Cabling & Solutions – High-performance structured cabling

Efficiency & Sustainability

Together, these solutions enable AI-driven and hyperscale data centers with efficiency and sustainability, reducing energy and water usage while supporting future-ready infrastructure.

Proven Industry Experience

HCNG brings a culture of safety, quality, and compliance from the nuclear industry, applying these standards to modern data center projects for reliability and long-term performance.



Immersion Cooling (iXora HRM-4)

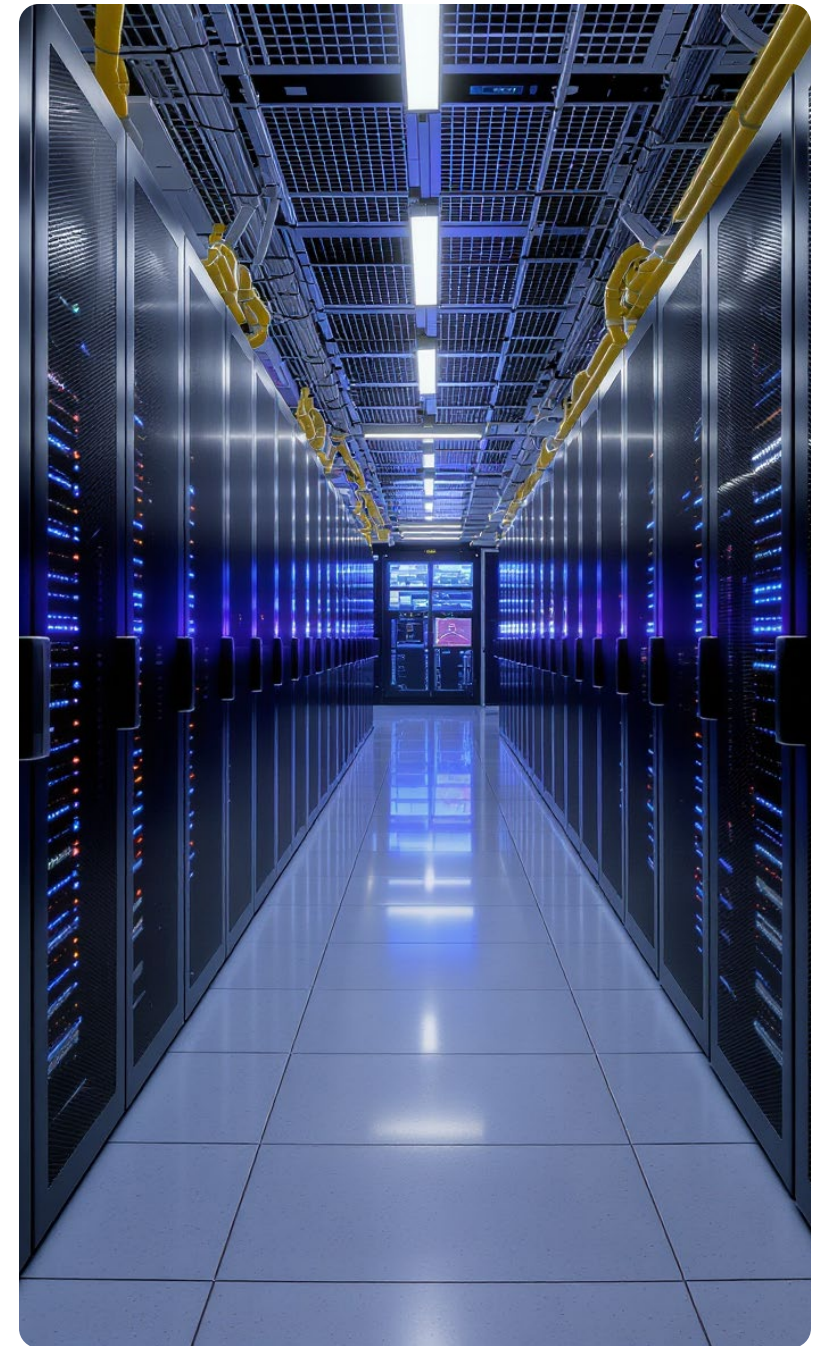
Key Features and Benefits

- World's first modular rack-mount immersion cooling chassis.
- 4kW per cassette, up to 48kW per rack for scalable performance.
- Dripless couplers and zero-spill design ensure clean, safe operation.
- Achieves PUE <1.05, with up to 90% more efficient cooling than traditional methods.

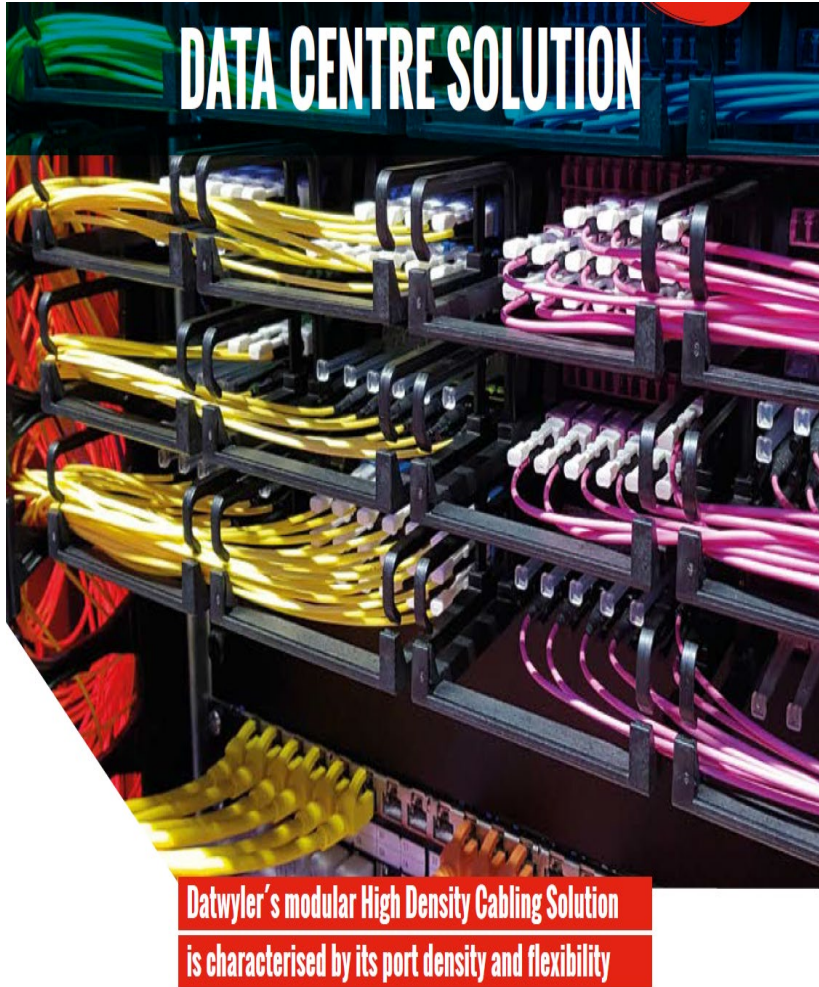


CPI Server Racks & Systems

- HCNG is an authorized CPI distributor in Korea, providing access to world-class server infrastructure.
- Offers premium server racks, power distribution, and intelligent monitoring systems tailored for data center needs.
- Strategically positioned to support hyperscale and AI-specialized data centers with scalable and reliable solutions.
- Key customers include Samsung SDS, SK C&C, LG CNS, Hyundai E&C, GS E&C, POSCO ICT, Kakao, and KT.



Datwyler Data Center Solutions



Advanced Cabling & Connectivity

- High-performance structured cabling, fiber systems, and connectivity.
- Certified for sustainability and modular deployment.
- Reliable infrastructure for mission-critical data center operations.

Integrated DCIM & Infrastructure

- Intelligent DCIM solutions supporting modern data centers.
- Complements CPI racks and iXora cooling for total data center infrastructure.
- Enables scalable and future-proof data center environments.

From Nuclear to Next-Gen Data Centers



Decades of Nuclear-Certified Reliability

HCNG combines decades of safety, quality, and compliance culture from the nuclear industry to ensure the highest standards in all solutions.



Bringing Nuclear Standards to Data Centers

We apply proven nuclear-grade reliability to AI-driven, hyperscale data centers, ensuring robust performance and operational excellence.



Trusted, Sustainable Infrastructure

Delivering sustainable, future-ready infrastructure that meets the demands of modern data centers, built on a foundation of trust and compliance.

Medical Fiber Optic Applications

MEDI-X Innovations in Fiber Optic Sensors

- Specializes in ultra micro fiber optic MEMS sensors for cardiovascular diagnostics.
- Focus on Fractional Flow Reserve (FFR) localization to improve accuracy.
- Offers optical pressure sensors and fiber optic bonding technologies.
- Enables non-invasive, real-time monitoring with high sensitivity and reliability.

MEDI-IMPORT Advanced Medical Equipment

- Provides complementary medical devices including CONAVI MEDICAL, PULSE MEDICAL, and SHOCKWAVE.
- Integrates fiber optic technology for enhanced diagnostic and therapeutic applications.
- Supports improved patient outcomes through precise measurement tools.
- Focuses on innovative fiber optic applications in healthcare environments.

Our Growing Customer Base

01

Diverse Industry Clients

- Energy sector clients include Korea Hydro & Nuclear Power Co., Ltd. and Doosan, focusing on nuclear and power generation projects.
- Shipbuilding industry customers span commercial, special, and naval vessels, benefiting from HC&G's specialized cable and equipment solutions.
- Military and defense industry partners rely on our robust, secure cable and communication technologies tailored for stringent requirements.

02

Expanding Market Reach

- Transportation segments such as high-speed trains and automotive sectors are supported with advanced fiber optic and communication products.
- Electronics and semiconductor industries leverage our innovative cable solutions to enhance production efficiency and connectivity.
- Our customer base continues to grow as we deliver trusted solutions to new and existing markets worldwide.

Contact Information & Next Steps



How to Reach Us

- Address: #504, 42 Jangmi-ro, Bundang-Gu, Seongnam-si, Gyeonggi-do, Republic of Korea (13496)
- Phone: +82 (0)2 504 6671 | Fax: +82 (0)2 707 6678
- Email: sales@hcng.co.kr
- Our team is ready to assist you with your inquiries and partnership opportunities. Contact us to start your journey with HC&G.

Thank you