



## CHINT Semi-Annual Report of 2023





USD **18.34** Billion  
Annual Sales Revenue, CHINT Group



USD **20.84** Billion  
Annual Total Assets, CHINT Group



**40,000+**  
Employees Worldwide



Business Covering  
**140+**  
Countries and Regions



**4% - 12%**



**8,000+**  
Accumulated Authorized Patents



**25+**  
Global Subsidiaries



**32%**  
YoY Revenue Growth in 2022, CHINT Global



**60%+**  
Localization Rate of CHINT Global Employees

CHINT was established in 1984 and built from the capital of approximately 8,000 US dollars. With our rapid development these years, CHINT has become the world's leading intelligent energy solutions provider for the whole industrial chain with the most complete product ranges, from Plant to Plug. In 2022, our annual sales revenue exceeded 18.34 billion dollars and total assets of more than 206.84 billion dollars.

Through market localization by integrating businesses and continuous upgrading, CHINT Global further established its supply chain. This localization has also enabled flexible business models such as smart operating and maintenance, financing, and other integrated technical services for the global market.

# OUR MILESTONES



1984

Established Yueqing Qiujiing Switch Factory



1991

Established Wenzhou CHINT Electric Co., Ltd.

1997

CHINT Was Granted the Right to Import and Export



2006

Deployed New Energy



2010

Established the 1st International Subsidiary



2020

The Official Launch of CHINT Global



2021

Established CHINT Global APAC HQ and Innovation Lab in Singapore

2023

Building platforms and capabilities to accelerate and close the loop of regional businesses

## LIGHTING UP THE INDUSTRY

## LIGHTING UP THE GLOBAL EXPANSION

## LIGHTING UP THE LOCAL EXPANSION

## ELEVATING THE LOCALIZATION

1992

Obtained the 1st Export Order at Canton Fair



2004

Established Yueqing Qiujiing Switch Factory

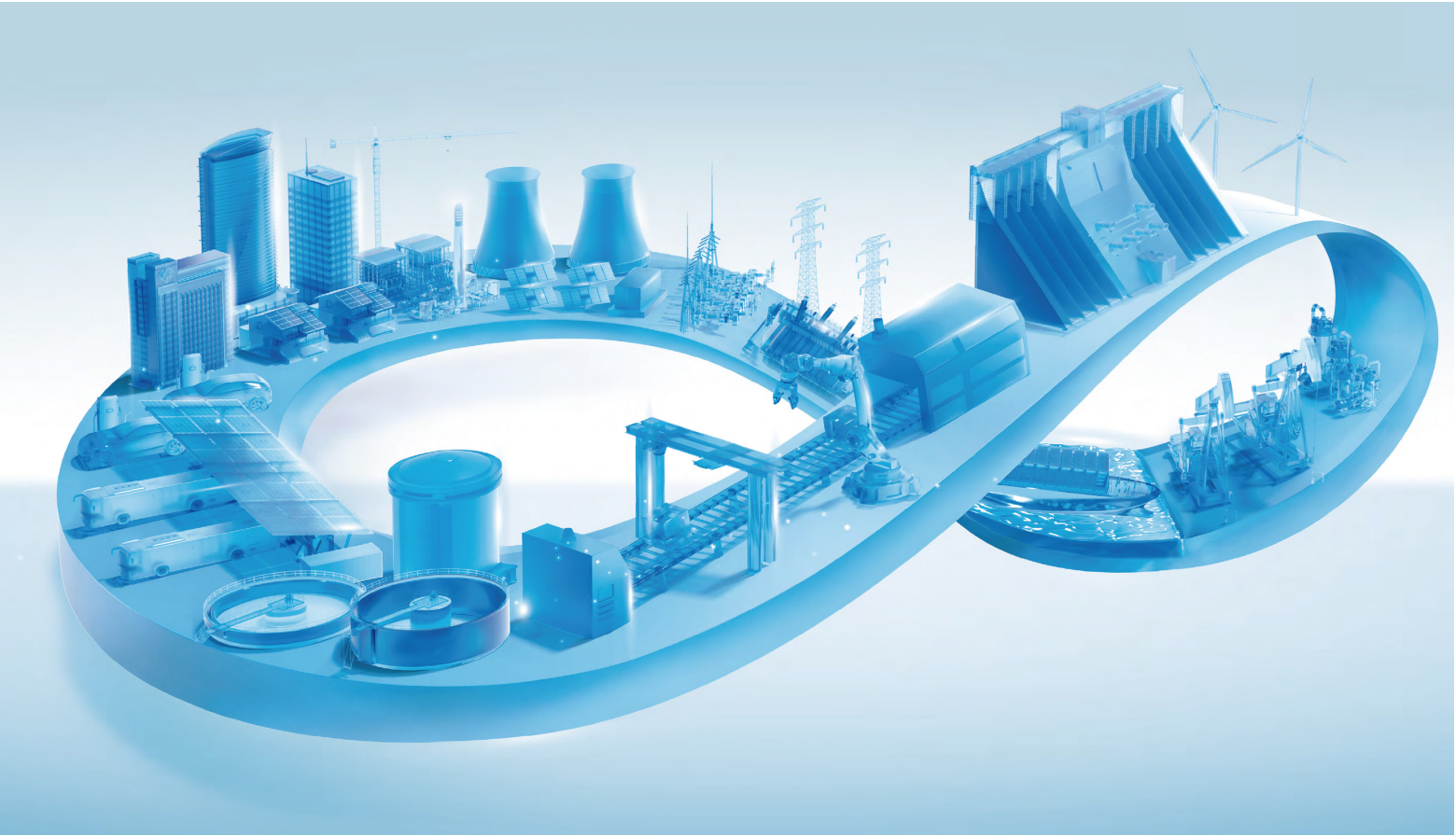
2017

Established the 1st Local Factory, CHINT-EGEMAC





# OUR BUSINESS SCOPE



Crystalline Silicon  
Manufacturing



New Energy



Wires &  
Cables



Power T&D



Low-voltage  
Electrical



Meters



Power System &  
Energy Storage



Integrated  
Power Distribution



Building  
Electrical

## CHINT Global Lighting Up Your Life to Boundless Electric Possibilities

- Power Generation
- Energy Storage
- Transmission
- Transformation
- Distribution
- Sales
- Consumption

A comprehensive industry chain established to foster the growth of a new integrated ecosystem



# GLOBAL OPERATION LOCALIZATION

Rooted Locally, Serving the Globe

After more than 30 years of overseas expansion, CHINT Global has subsidiaries and offices in Europe, North America, Asia-Pacific, West Asia & Africa and Latin America. Its business footprint covers more than 140 countries and regions worldwide, continuously providing the world with more efficient smart electricity and clean energy

Business Covering

140+

Countries and Regions

25+

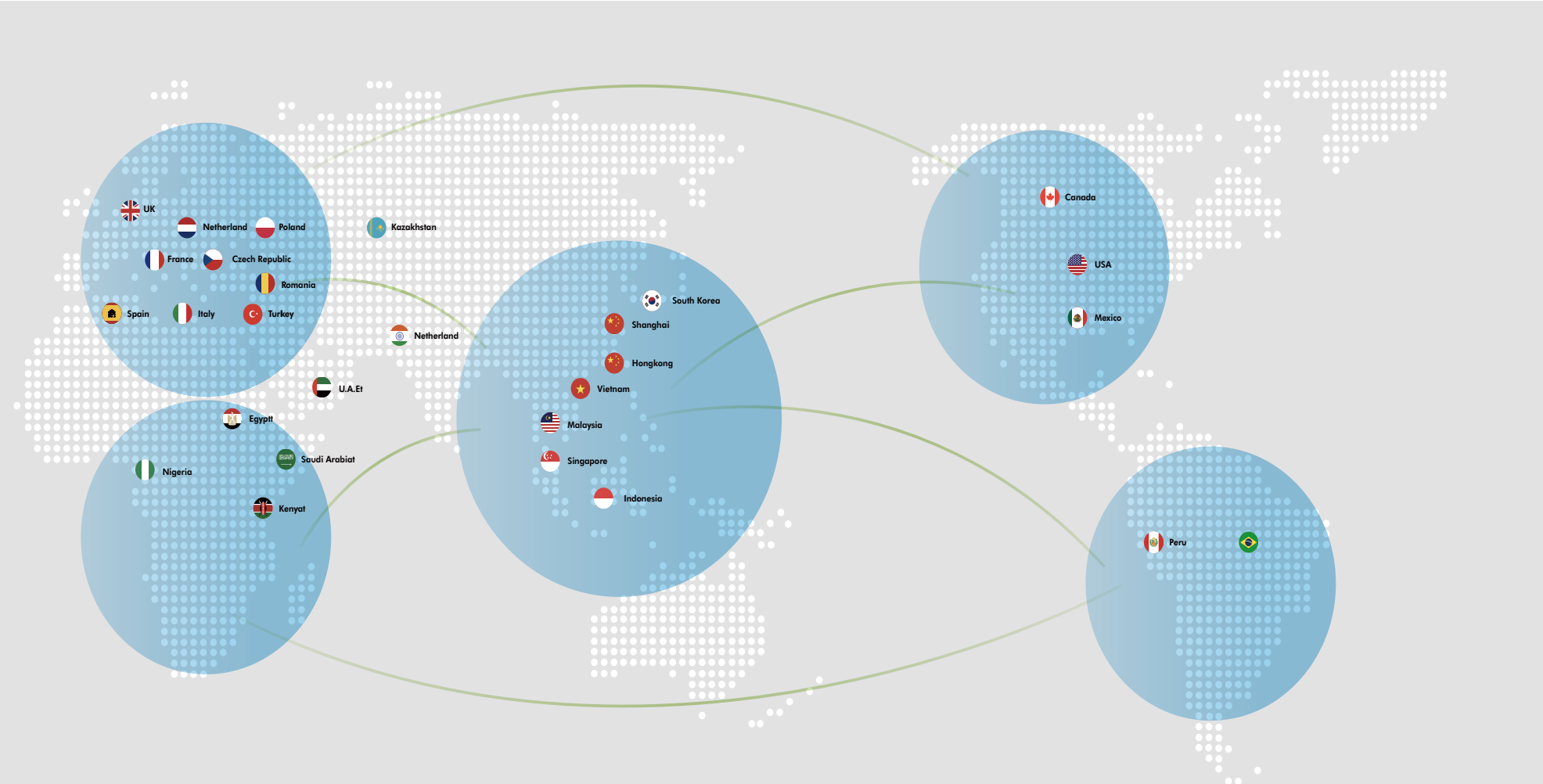
Global Subsidiaries

2300+

Global Distributors

60%+

Localization Rate of  
Global Employees



# GLOBAL R&D LOCATION

Think Globally, Collaborate Locally

24 

Global Research  
Institutes

400+ 

Industry and International  
Standards Formulation

8000  +

Accumulated Authorized  
Patents

400%-12% 

Annual R&D Investment Obtained  
from the Percentage of Sales

## CHINT Intelligent Electrical Laboratory Center



- Encompasses the National, European and American standards
- Improve the autonomous R&D capabilities and accelerate new products development
- Develop and elevate the system testing for customer application scenarios

## Asia Pacific Innovation Lab, Singapore



- Showcasing a comprehensive and cutting-edge solutions for various industries. Innovate and co-create solutions together with the international partners to achieve business and environmental goals
- Remote Factory Acceptance Testing can be achieved in the Lab, to ensure product qualities and international standards are applied

## NOARK Global R&D Center



- Establish global R&D centers in Asia Pacific, Europe and North America regions
- Integrate "Industry-Academia-Research" model, utilize the global innovative resources and attract the top industry technical talents
- Advanced simulation platform and R&D process manufacturing center to meet customers' personalization and customization needs globally



# GLOBAL INTELLIGENT MANUFACTURING LOCALIZATION

Penetrate Locally, Escalate Globally

18

Global Manufacturing Bases

Including 8

Overseas Manufacturing Bases

5


Planning Production Capacity Areas

CHINT actively promotes intelligent construction, centering on processes and equipment, grounded on data, and relying on manufacturing units, workshops, factories, and the supply chain as carriers to establish an intelligent manufacturing system that combines virtual and real, dynamically optimizes, and is environmentally friendly and safe.

We focus on building a national-level intelligent manufacturing factory for low-voltage electrical components, an intelligent factory with AI quality inspection for crystalline silicon cells, and a green and low-carbon factory. Through digital management system monitoring, we achieve a 100% qualified rate for equipment off-line and ensure product traceability.




Sunlight Singapore & Malaysia




Main Products: Low-voltage Switchgears

CHINT ATC Saudi Arabia




Main Products: RMU and Intelligent Power T&D Products of 33kV and below

Wenzhou Low-voltage Intelligent Factory China




Main Products: Low-voltage Components

Sunlight Vietnam




Main Products: MSB, MCC, SDB, DB, CU, Fire Pump Panel, Weatherproof Panel, String Combine Box, Solar Switchboard

CHINT-AJLAN & Bros Saudi Arabia




Main Products: Low-voltage Components

Haining Solar Intelligent Factory China




Main Products: PV Module, PV Cell

SchnelTec CHINT Cambodia




Main Products: MV Equipment including 22kV Distribution Transformer, Switchgear, Smart RMU, Capacitor Bank

Metering Factory Uganda




Main Products: Meters

Power T&D Jiaxing Factory China




Main Products: MV and LV Switchgear, C-GIS, MV Circuit Breaker, Prefabricated Substation

CHINT - EGEMAC Egypt




Main Products: Full Series of Low-voltage Switchgears

Solar Factory Thailand



Main Products: PV Module, PV Cell

Power T&D Shanghai China



Main Products: Power Transformer, GIS, MV and LV Switchgear, HGIS, HV Circuit Breaker, Disconnector

# GLOBAL DELIVERY LOCALIZATION

Penetrate Locally, Escalate Globally

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North America

USA, Mexico, Canada

Asia Pacific

India, Vietnam, Indonesia, Malaysia, South Korea, Shanghai, Wenzhou

Latin America

Brazil, Ecuador (upcoming), Colombia (upcoming)

West Asia and Africa

Egypt, Kenya, Dubai, Nigeria

Europe

Spain, Italy, Czech Republic, Turkey, Kazakhstan, Romania (upcoming), Netherlands (upcoming)



Dubai Global Logistics Center



Brazil Global Logistics Center

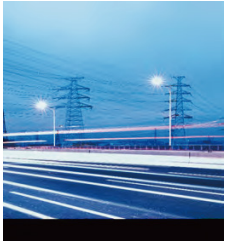


Czech Global Logistics Center

# ACHIEVING GOALS WITH INDUSTRY PARTNERS

Creating Values with Industry

## Industry Solutions



Power Utility



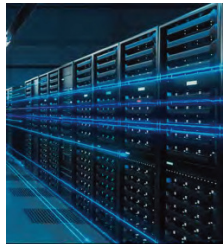
Buildings



Industrial OEM



New Energy



Telecom & Data Center



Industrial



Power O&M Services



EPC+ Services

# ADVOCATING CARBON NEUTRALITY, CREATING THE GREEN DNA WITHIN THE COMMUNITY

Global Solar Power Station Construction

500+ Stations

Total Installed Capacity

12+ GW

Committed to building  
"Zero Carbon Villages in China"

Rooftop Solar Users

Million+ Households

Related Employment Driven

160,000 People

Supporting rural revitalization and  
common prosperity

Focusing on global sustainable development, creating new  
values for a safer, greener, more convenient, and more  
efficient smart energy lifestyle for humanity



The first certification for full life  
product carbon footprint in the field of low  
voltage electrical appliances in China and  
in the smart electricity meter industry



Carbon footprint certification for 110kV  
and 220kV transformers



Carbon footprint certification for PV  
modules

## CHINT

Takes action in the "Energy Revolution"  
Helps to achieve the "Carbon Neutrality" goals

Annual Average Green Power  
Generation

24+ Billion kWh

Annual Average Coal  
Savings

3.84+ Million Tons

Annual Average Carbon Emission  
Reduction

24+ Million Tons



# Bearing the Social Responsibility, Connecting to a Sustainable Future



## NO.1

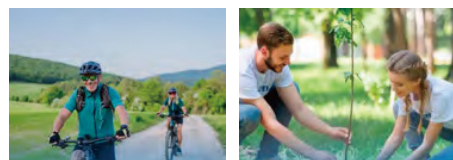
Top 100 Chinese private enterprises for  
social responsibility in 2021

## ¥ 450 Million

Cumulative donations to public welfare  
projects

- Establishment of CHINT PV Marketing Academy
- Providing professional knowledge training  
for **120,000** individuals
- Assisting over **20,000** individuals in  
obtaining certification for job transformation

### Low-carbon, Green Living



### Public Health



### Electricity and Livelihoods



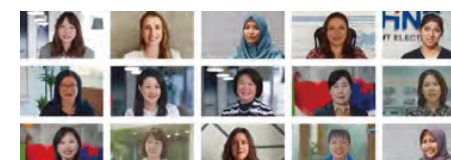
### Shared Growth and the Spirit of Striving



### Diverse Cultures



### Wellbeing of Women and the Future Generation



## Overview

Despite challenges such as a sluggish economic recovery and transitioning to new growth areas, we successfully navigated through the first half of 2023. With the proper guidance from the board of directors and the collective efforts of management and all employees. We remained focused on our established goals at the beginning of the year. We implemented strategic initiatives aligned with the "Five Transformations" strategy, accelerating the construction of industrial clusters and enhancing our influence. As a result, our operating income for the reporting period stood at 38.20 billion USD, marking a growth of 17.91% compared to the previous year. Furthermore, our net profit attributable to shareholders of the listed company amounted to 2.61 billion USD, with a year-on-year growth of 13.70%.

Within the reported timeframe, we strategically leveraged the capital market to further fine-tune resource distribution, consistently reinforcing green energy industry and market presence. These measures further steered each business unit towards their own area, enhancing core market competitiveness, thus optimizing our operational structure and elevating our overall profitability.



Figure 1: CHINT's industrial parks in Yueqing, Songjiang and Binjiang

## Smart Electric Appliances Division

In pursuit of performance targets, the smart appliances division is unlocking the potential of distribution channels, and deepening initiatives to improve quality, efficiency, and cost structures. By strategically deploying resources, extending global supply chain, hastening global expansion, embarking on a transformative journey towards digitization and intelligence, and prioritizing critical paths and resources, we are effectively elevating our overall value. Over the reporting period, the smart appliances division achieved a revenue of 15.76 billion USD, registering a 7% year-on-year growth.

### CHINT China: Unleashing New Possibilities, Cultivating New Driving Forces

CHINT China is actively implementing the overarching strategy of "forging new advantages across the entire chain, venturing into burgeoning markets with ample profit potential and opportunities, collectively charting new courses in the industry, revitalizing platform competitiveness, and propelling digital marketing transformation." This entails accelerating the R&D and innovation for domestic brands, smart manufacturing, and the deployment and enhancement of material technologies. We are committed to collaborative growth, driving the sustainable development of a community with a shared future, honing competitive edges within the channel ecosystem and jointly shaping a new trajectory for business expansion.



Figure2: Smart factories enhance end-to-end delivery capabilities



## ● Creating a new future through channel construction

We keep refining our network of channels, building a solid foundation for channel operations, promoting flat and balanced channel structures, and enhancing overall coverage and penetration. In regions with robust potential, we upgrade key distributors with customer resources and financial strength into regional distributors, adding 1,600 new distributors and increasing city-level channel coverage from 81% to 85%. For regions with room to grow, we continuously provide training and support to empower distributors, using TQRDCE tool to analyze challenges, pain points and opportunities in expanding businesses like panel builders, OEM and real estate. We are optimizing pricing strategies, adjusting product offerings and uncovering growth opportunities. In a continuous drive towards digitalized marketing, we are propelling the healthy and enduring progression of the market. During the reporting period, we have completed the development and enhancement of 7 pillars of marketing digitization, including Distributor Master Data, Marketing Cloud, New Retail Digitization Platform, LTC Payment Digital Platform, MTL Strategy Digitization Platform, significantly improving operational capabilities and efficiency. In line with our extended "New National Brands" strategy, we are elevating brand prestige, unleashing the untapped potential within our customer "ecosystem" to elevate brand influence in segmented markets. Through themed events such as "Exploring the Future Factory: Unveiling the Brilliance of Homegrown Products" and the "77 Brand Power Festival," we explore the rich marketing opportunities within nuanced product scenarios, while crafting our image as a leading provider of made-in-China products.

## New breakthroughs

With a keen eye on market needs, we expedite the commercialization of businesses related to new energy, new industrial processes, and new infrastructure. Our focus on distinct market segments facilitates advancements in key sectors and burgeoning industry technologies, all aiming at tapping new sources of profit upswing. To acquire top-tier customers, we have leveraged a dual-brand strategy with "CHINT + Noark" products to explore new emerging markets and concentrating on high-value projects, which has led us to establish connections with industry giants such as KSTAR, SUNGROW and SINENG, catalyzing a robust surge in business. In terms of product alignment strategies, we've bolstered our research and development efforts, expediting product iterations and enhancement, successfully rolled out specialized product lines catering to process industries, new energy, 5G and data communication and power sectors. We've implemented 69 new product initiatives and 40 product development projects, delivering a noteworthy boost to our performance.



Figure3: "Unveiling the Brilliance of Homegrown Products" Initiatives



## CHINT Global: Fostering Local Presence, Expediting Global Reach

CHINT Global is staying closely attuned to industry trends and shifts in business landscapes, focusing on major global strategic customers, leveraging the opportunities presented by the Belt and Road Initiative to expedite global capacity deployment, propel operational excellence of overseas subsidiaries, heighten brand visibility, and establish a diversified business framework of "comprehensive electrical solutions and omni-channel." The goal is to create a globally recognized, open, innovative and agile organization. Within the reporting period, CHINT Global has achieved operating revenue of 3.18 billion USD, an increase of 29.14% year-on-year. YoY revenue growth was 3.11% in Asia-Pacific; a substantial 40.93% in Europe; a remarkable 52.27% in North America; 20.09% in West Asia and Africa; and 13.59% in Latin America.



Table 4: CHINT Global's revenue is growing at a CAGR of over 30%

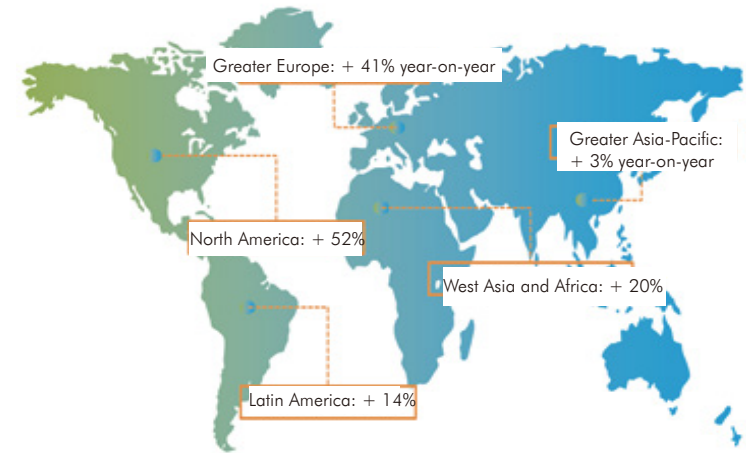


Figure 5: High revenue growth in all regions

During the reporting period, CHINT Global focused on tapping into customer value, providing comprehensive solutions, enhancing business sustainability, driving breakthroughs in emerging businesses and customer transformation and accumulating growth momentum. CHINT Global has expanded its network by onboarding over 40 primary distributors, 5 prominent wholesale distributor groups and 15 key accounts. Furthermore, CHINT Global executed its global manufacturing capacity deployment plan by establishing regional headquarters, constructing 4 overseas factories, establishing an operational management center in Singapore. The company also accomplished the infrastructure setup for its European and West Asia-Africa regions.



Figure6: CHINT Global participated in trade fairs in Germany and Brazil





## CHINT R&D: Combining Craftmanship and Unwavering Dedication to Pioneer a New Era with Technology

We have established sustainable technological collaborations with top-tier customers, enhancing customer loyalty and positioning ourselves as the preferred strategic partner for diverse users across multiple fields through tailored product development, joint formulation of standards, collaborative application for technological projects, and innovative pilot projects, thereby enabling one-stop component procurement and solution delivery, consolidating our leading position and market share in various domains. We actively explore innovative cooperation models with multiple research institutions and universities, such as "systematic collaboration among production, learning, scientific research, and practical application" and "incubation partnerships". This approach ensures a comprehensive understanding of customer needs at the application level, enables our intelligent manufacturing department to achieve efficient product delivery, and ultimately ensures customer satisfaction. To support these efforts, we have integrated a digital platform encompassing digital design, product lifecycle management (PLM), supply chain management, manufacturing execution systems (MES), energy efficiency management, intelligent logistics and warehouse management systems, as well as an order fulfillment system. Through the seamless integration of IoT with MES, WMS, and other systems, we significantly enhance our end-to-end delivery capabilities.

Within reporting period, 590 domestic patent applications and 398 granted ones of which 182 invention patents have been applied for and 17 have been granted; 10 PCT patents have been applied for with 28 national entries; 14 foreign patents have been granted. As of the end of the reporting period with a cumulative total of over 7,000 patent applications, we have been granted over 6,000 patents, out of which more than 5,000 are currently active. We have been honored with over 10 accolades in science and technology innovation, including "Leading Technology Companies in Zhejiang Province" and "Green Product Certification 'Front-runner' in Zhejiang Province". We have achieved breakthroughs in products related to carbon neutrality and peak carbon emissions, fully engaged in carbon footprint certification, green factory practice and green product design evaluation.

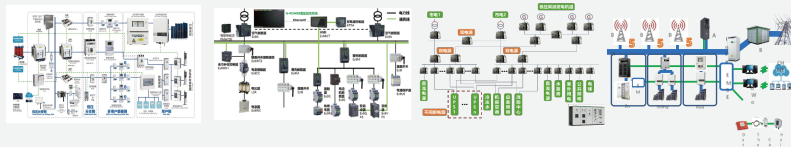


Figure7: CHINT (power, rail transit, data centers, communication base stations) one-stop intelligent solutions

## Green Energy Division

The global energy industry and supply chains are currently undergoing substantial changes, with a strong focus on low-carbon energy consumption, secure and efficient energy systems, and the innovation of digital and intelligent technologies. China, too, is prioritizing energy revolution and the shift towards green, low-carbon practices as a crucial national development strategy. According to the data released by the National Energy Administration, China's new PV installation in January-June 2023 was 78.4GW, up 154% year-on-year. China Photovoltaic Industry Association (CPIA) raised the forecast of new domestic PV installations to 120-140GW in 2023, and the forecast of new global PV installations to 305-350GW. The global energy transformation is underway, and the photovoltaic industry is poised for long-term growth. During the reporting period, our green energy segment achieved operating revenue of 22.82 billion USD, registering a year-on-year increase of 26.16%.

### Residential PV continues to grow at a high rate

Committed to becoming a digital, service-oriented provider of integrated household energy solutions, CHINT is actively championing the "carbon neutrality and peak carbon emissions" initiative, joining the global efforts towards a carbon-neutral future. Since its founding, CHINT has concentrated its efforts in the residential PV sector, honed exceptional skills in designing and developing top-notch residential PV stations, as well as abilities in monitoring and maintaining stations. All of these enable us to provide customers with superb residential PV power station products, and premium services that cover the complete lifespan of residential PV power stations. During the reporting period, CHINT recorded an operating revenue of 18.95 billion USD and a net profit of 1.70 billion USD, with newly installed capacity in the first half of 2023 exceeding 5.3GW.

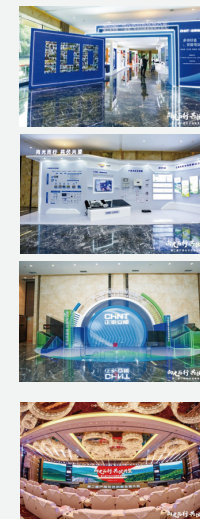


Figure8: CHINT successfully hosted the 2nd China Residential Photovoltaic Innovation Development Forum

### ● Increasing channel capacity, driving substantial growth in project volume, and reinforcing core businesses

Within this reporting timeframe, CHINT's robust product and technical advantages, early market entry, sophisticated intelligent and digital asset management system, and effective supply chain management have enabled it to achieve an accumulated residential PV installation capacity of over 20 gigawatts, with more than a million household users and long-standing industry dominance. During this reporting period, CHINT maintained its momentum in channel expansion, broadening its advantage in terms of channel count. Over the first half of 2023, CHINT onboarded 826 new distributors, expanding its presence to 4 additional provinces, 1 autonomous region, and 3 municipalities directly under the central government, covering 294 districts and counties, thus solidifying the foundation for business growth. CHINT is intensifying efforts across 4 pivotal businesses: residential PV system sales, joint construction of power stations, power station sales, and post-sales support and maintenance services. At the same time, CHINT is strengthening collaboration with state-owned enterprises and business groups owned by central government, like State Power Investment Corporation, China Huaneng and Yuexiu New Energy, etc., accelerating asset turnover and optimizing asset-liability structure. During the reporting period, CHINT achieved a revenue of over 13.72 billion USD through selling power stations to state-owned enterprises and central government-affiliated business conglomerates, infusing robust impetus into its sustainable development.

### ● Taking social responsibilities, raising brand profile, and contributing to the co-construction of carbon-neutral rural communities

As one of the pioneering players in the residential photovoltaic industry, CHINT has consistently placed great importance on its brand reputation. Through establishing and consistently upgrading standards and management protocols for prospecting, designing and constructing residential photovoltaic power stations, CHINT has maintained a strong focus on quality control for its products and equipment. It has also persistently advanced and fortified comprehensive lifecycle management services for power station operation and maintenance. These efforts have earned CHINT favorable word of mouth within its extensive user community. All of these collectively constitute the core strengths that underpin CHINT's sustained and sound development. Closing out the reporting period, the combined market share of "CHINT+Guang Fu Xing" keeps first. Top-tier enterprise customers are on the rise, showcasing the brand effect. CHINT actively responds to national initiatives such as the "County-Wide Rooftop Distributed Photovoltaic Development Pilot" and the "Bringing Photovoltaic Power to Thousands of Villages." In counties abundant with rooftop solar power and blessed with excellent sunlight conditions, CHINT integrates resources to establish distributed residential photovoltaic power stations, and combines PV, energy storage and charging systems for clean energy, facilitating a profound integration and symbiotic development of residential PV and modern village construction. This approach effectively reduces peak electricity demand, optimizes investments in distribution networks, promotes green energy among residents, creates local jobs, drives income growth and contributes to the goals of carbon neutrality and peak carbon emissions. During the reporting period, CHINT successfully hosted the 2nd China Residential Photovoltaic Innovation Development Forum, established the "One Degree of Electricity" public welfare fund, released the industry's first ESG report, amplifying brand influence and empowering millions of households to achieve carbon neutrality.



Figure9: CHINT shines at photovoltaic exhibitions across the globe.



As a provider of holistic clean energy solutions including development, construction, operation, and services, CHINT New Energy offers all-in-one, turnkey solutions with its extensive competencies encompassing power station design, procurement, construction, grid connection and operational maintenance. Domestic power stations: CHINT New Energy is actively exploring new modes of cooperation with state-owned enterprises and business groups owned by central government, with a view to securing projects as a collaborative entity and striking a balance between sales proceeds and profitability by strategically establishing fulfillment plans. Overseas power stations: collaborating with partners, we've adopted an EPC approach to undertake European projects, with contracted volumes surpassing 1GW. CHINT German's Schoenermark 65.4MW secures a spot in Germany's subsidized PV projects, boosting returns and setting a stellar example for upcoming installations



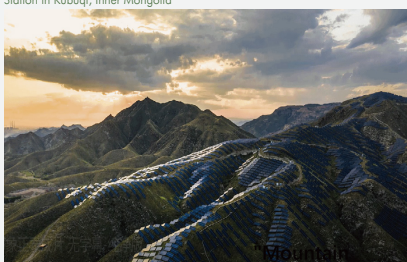
Sand-PV Complementary Power Station in Kubuqi, Inner Mongolia



Fishery-PV Complementary Project



Sand-PV Complementary



"Mountain Transformation" Project in Zhangjiakou Olympic Passage



Taihanhaitu Fishery-PV Complementary Project in Wenzhou

Figure10: CHINT New Energy PV+ development model.

Riding on the wave of increasing global PV installations, the demand for PV inverters has surged. Wood Mackenzie anticipates that PV inverter shipments worldwide could reach 560GW by 2031. In terms of energy storage, to pave the way for a new paradigm of integrated energy applications encompassing "generation, grid, load, and storage," bolster the acceptance and utilization capacity of renewable energy sources, and fully harness the grid load regulation potential of demand-side, many places in China have established clear requirements for the integration of energy storage with new energy utilization. The energy storage market is witnessing rapid growth, propelled by the expansion of new energy power plants and the increasing demand for extensive storage capabilities.

Within the reporting timeframe, CHINT Power incorporated Tongrun Equipment Technology (002150.SZ) into its consolidated financial reporting, thus broadening its financing avenues. This strategic move empowers CHINT Power to focus on its core businesses, thereby substantially boosting its competitiveness in the PV inverter and energy storage system sectors.

### ● Optimizing market strategies to expand local presence abroad

During the reporting period, CHINT Power concentrated on well-performing markets, explored emerging markets, and consistently broadened its business range. In terms of international operations, CHINT Power has a well-established local team in the North American market. With outstanding products and localized services, they have gained a strong reputation in the PV market, securing the top spot in the commercial and industrial sectors for many years. CHINT Power has established itself as the leading provider of inverters in the Korean market through successful execution of photovoltaic projects such as Boongeo-9MW and ASK Namjido-ri 9MW with Hyundai Group. In the European market, CHINT Power has obtained local product certifications and secured new agency agreements in countries such as Spain, Austria, and Bulgaria, and acquired large orders. CHINT Power is taking the collaboration with state-owned enterprises and business groups owned by central government, including PowerChina, SPIC, CHN Energy Changyuan Electric Power Co., Ltd, China Huadian Corporation Group, and CNNP Rich Energy, to a more profound level, achieving large-scale supply goals, wrapping up the Phase 2 12.5MW photovoltaic project at Zhanjiang Baosteel, the 91MW and 15Mwh PV-fishery complementary project in Fuzhou, Jiangxi, and the 40MWh energy storage project in Heqingtian, Gansu.



### ● R&D-driven new products for full scenario coverage

CHINT Power establishes two synergistic R&D hubs in Shanghai and Shenzhen, constantly enriching product lineup and application scenarios.

CHINT Power has expanded its portfolio of inverters for residential and ground-mounted PV installations, optimized and upgraded its North American solutions for utility-scale and commercial applications, and achieved complete coverage across residential, commercial, ground-mounted, and self-developed monitoring application scenarios. Furthermore, the launch of high-power 325/350kW string inverters in the first half of the year has bolstered its competitive edge.

In the field of energy storage, CHINT Power actively develops and promotes standardized energy storage products that are highly scalable, replicable, and cost-effective. The Company optimizes the control processes of energy storage products, resulting in a significant increase in system energy density and a substantial reduction in integration and system costs. In the first half of 2023, CHINT Power launched a new generation of residential PV storage solutions, commercial and industrial PV energy storage solutions, as well as the Power Block 2.0 liquid-cooled ground-mounted PV storage solution, which has generated business opportunities. During the reporting period, we have 25 new R&D projects, successfully concluded research on 9 new products, advanced 8 novel technologies, filed for 15 patents, and obtained approval for 11 patents. The increasingly extensive product lineup reinforces our core competitiveness.

See Tongrun Equipment Technology (002150.SZ) 2023 Semi-Annual Report (Management Discussion and Analysis) for more information.

Figure11: CHINT Power releases its self-developed products



## Asia Pacific

### China | Global HQ

ZHEJIANG CHINT ELECTRICS CO., LTD.

Add: A3 Building, No. 3655 Sixian Road, Songjiang Shanghai 201614.  
Tel: +86 21 5677 7777  
Fax: +86 21 5677 7777  
Email: global-sales@chintglobal.com  
Website: www.chintglobal.com

### Singapore | Asia Pacific HQ

CHINT GLOBAL PTE. LTD

Add: 8 Kallang Avenue #04-06/09 Aperia Singapore 339509  
Tel: +65 6329 3110  
E-mail: global-sales@chintglobal.com

### SUNLIGHT ELECTRICAL PTE LTD

Add: 1 Third Chin Bee Road, Singapore 618679  
Tel: +65 6741 9055  
Fax: +65 6265 4586  
E-mail: info@sunlight.sg.

### Malaysia

ALPHA AUTOMATION (SELANGOR) SDN. BHD.

Add: 11, Temasya 18, Jln Pelukis U1/46B, Seksyen U1 40150 Shah Alam,  
Selangor Darul Ehsan, Malaysia.  
Web: www.alphasel.com  
FAX: +603-5569 9295  
Tel: +603-5569 7787

### SUNLIGHT SWITCHGEAR SDN. BHD

Add: PTD 37437, Off Jalan Perindustrian Senai 3, Kawasan Perindustrian Senai  
Fasa 2, 81400 Senai, Johor, Malaysia  
Tel: +34 91 6450353  
Fax: +34 91 6459582  
E-mail: info@chintelectrics.es

## West Asia & Africa

### United Arab Emirates

CHINT MIDDLE EAST AND AFRICA DMCC

Add: Unit No: 2101, Jumeirah business center 1, Jumeirah Lakes Towers,  
Dubai, UAE  
Tel: +97145571532  
P.O BOX: 337555  
E-mail: global-sales@chint.com  
Web: www.chintelectric.ae

### Kenya

ZHENGTAI ELECTRICS(KENYA) CO, LIMITED

Add: Office 1A, 8th Floor, KISM Tower, Ngong Road, Nairobi, Kenya  
Tel: +254 702256485  
E-mail: global-sales@chint.com

### Nigeria

CHINT POWER & ENERGY SERVICES LIMITED

Add: 3F, Churchgate Tower 2, Plot PC31, Churchgate Street, Victoria Island,  
Lagos State, Nigeria  
Tel: +234 8110728119  
Email: czjie@chintglobal.com

### Uganda

CHINT METERS & ELECTRICAL UGANDA CO, LTD

Add: Plot 378, Tirinyi Road, Tangshan Mbale Industrial Park, Mbale, Uganda

### Indonesia

PT CHINT ELECTRIC INDONESIA

Add: PERWATA TOWER  
Jl. Pluit Selatan Raya Kav. 1, 10th Floor, Suite F  
Penjaringan 14440

### India

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