

# 2024 Impact Report

**NEW ENERGY NEXUS CHINA**

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100% clean energy  
for the 100% of the people



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- HuaMod Technology – Winner of 2024 Annual "Specialized, Refined, Distinctive, and Innovative SMEs" of Sichuan Province
- Jiangxing Intelligence was Selected as One of the 2023 Jiangsu Potential Unicorn Companies

## THANK YOU PARTNERS!

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**YEAR IN  
REVIEW**

# ABOUT US

New Energy Nexus (NEX), as an international innovation service platform, has been dedicated to advancing the global energy transition. Over the past two decades, we have supported numerous startups and entrepreneurs through a series of initiatives. Together, we have fostered a clean energy ecosystem, and have taken concrete actions to accelerate the global response to climate change.

As the extension of this mission in China, NEX China is deeply rooted locally, providing tailored business matchmaking and consulting services to local governments, industrial parks, universities, and enterprises of all sizes. By leveraging technological innovation, it aims to drive energy transition and achieve carbon neutrality goals. NEX China identifies and evaluates scalable energy transition solutions, integrates resources, and builds both online and offline collaboration platforms to facilitate deeper interactions and cooperation among energy companies, research institutions, sub-national governments, and investors.

Our work is closely aligned with the United Nations Sustainable Development Goals (SDGs), particularly SDG 7—Affordable and Clean Energy, and SDG 13—Climate Action.



Since our establishment in 2016,  
we have supported **406** startups



In 2024, we continued to empower...



**202**

Startups



**5**

Key programs



**31**

Startups led by women



**5**

Pilot projects



**102**

Business matchmaking services  
for Chinese battery startups  
docking overseas business



**5**

Nomination of startups  
for domestic and  
international awards



**8**

Sectors we focus on

Renewable Energy | Hydrogen | Energy  
Storage | Web3 | Carbon Management |  
EV | Energy Digitalization | Climate  
Fintech



**3**

Increasing startups' brand  
awareness in international  
summits and panels

# As a result, we've enabled...

## 6M tons

### Cumulative Reduction in Direct CO2 Emissions

*Calculation Standard: The data aggregated from some innovative enterprises supported by NEX China, covering industries such as residential photovoltaics, energy storage, and hydrogen energy, is calculated according to the "Greenhouse Gas Protocol."*

## 21.2M tons

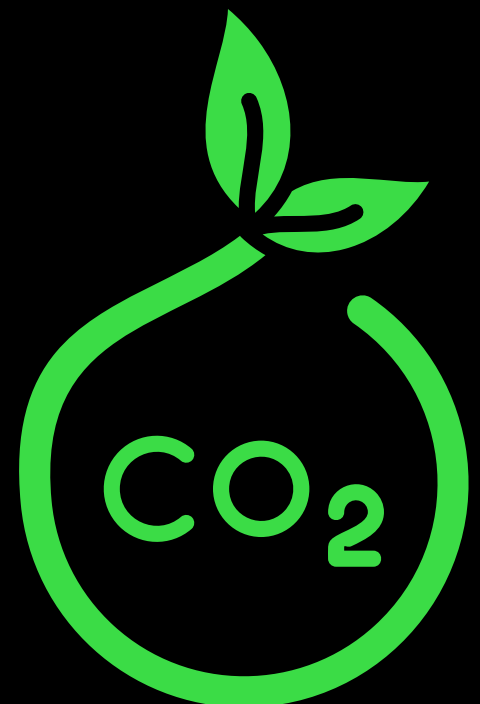
### Cumulative Reduction in Indirect CO2 Emissions

*Calculation Standard: The aggregated data provided by some innovative startups supported by NEX China, covering industries such as climate fintech and carbon management, is calculated according to the "Guidelines for Calculating the Energy-saving and Emission-reduction of Green Credit Projects."*

## \$10M

### Funds Leveraged in 2024

*Calculation Standard: The additional financing amount raised by innovative enterprises before and after joining the accelerator program.*



# OUR STRATEGY



In 2024, we deepened our “China In, China Out” strategy, positioning Shanghai as a strategic hub to introduce world-class innovation mechanisms and services to our domestic partners. At the same time, we acted as a bridge and catalyst to showcase China's clean energy innovations on the global stage, fostering collaboration and driving progress in energy transition.

Building on this foundation, in 2025, we will leverage connections with over 300 global innovation networks to support innovative enterprises in their green ventures abroad. By focusing on scalable energy transition solutions and integrating resources, we aim to address climate change through technological innovation while adapting to the evolving international landscape.

**Jie Xiao**

General Manager, New Energy Nexus China



## “China In, China Out” Strategic Roadmap

### China In

- Introduce world-class innovation mechanisms and services to China.
- Bring advanced clean technologies from around the globe to China, fostering collaboration and integration.

### China Out

- Support Chinese clean energy solutions in global expansion with high compliance standards.
- Share China's green transition experience to help the Global South adopt effective solutions and avoid pitfalls for a sustainable transition.

### → Bridging China And Global Clean Energy Innovation ←

- Act as a bridge and catalyst between China and international clean energy innovators on the global stage.
- Strengthen global ecosystems to amplify impact and scale solutions.
- Promote cross-border partnerships to accelerate the commercialization of clean technologies.

# OUR APPROACHES IN CHINA

We build innovation platforms that empower startups and strengthen local ecosystems by partnering with governments and corporations to drive sustainable growth. Our focus on cutting-edge technologies and global collaboration accelerates technological progress and fosters impactful entrepreneurship.

## Innovation Ecosystems

## Corporate Innovation

Our mission is to enable large enterprises to optimize their production lines and supply chains by leveraging innovations from startups and other cutting-edge technology providers. By integrating these solutions into corporate operations, we help businesses significantly reduce their carbon footprint while enhancing efficiency.

## Strategic Communication

The global narrative on China is often biased, complicating climate collaboration. As one of the world's top carbon emitters, China is key to achieving Paris Climate Agreement goals. China's cleantech leadership is vital for a sustainable future. We respond with diverse storytelling strategies.

Our research and consulting services provide stakeholders with the insights and tools needed to navigate the evolving clean energy landscape, identify opportunities, and make informed, fact-driven decisions. We empower businesses, governments, and institutions to drive sustainable growth and accelerate the energy transition.

## Research and Consultancy

## Business Matchmaking

Our business matchmaking service connects large, medium, and small enterprises to drive innovation, optimize supply chains, and expand market opportunities. By facilitating international cooperation and sharing expertise, we help Chinese clean energy technologies gain global traction and accelerate the shift towards a low-carbon, sustainable future.





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**PROGRAM  
REVIEW**

# 2024 Program Review



<b>EXCEL Accelerator 2024 Tsinghua University Special Edition</b>	<b>1</b>
<b>NEX Climate Fintech Accelerator</b>	<b>2</b>
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Innovation Ecosystem

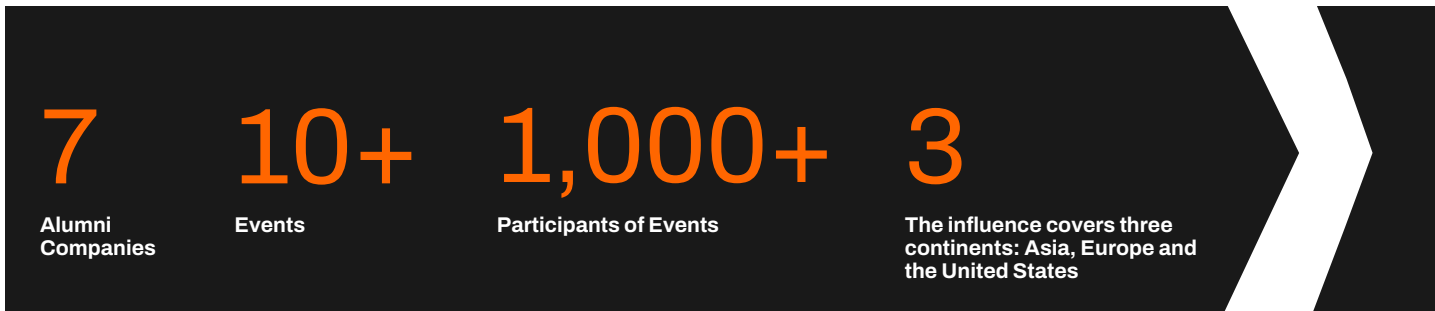
Business Matchmaking

# EXCEL Accelerator 2024 Tsinghua University Special Edition

*The first domestic accelerator focused on promoting the industrialization of innovative companies in the energy and climate sectors*

The EXCEL Accelerator, jointly organized by NEX and the Sichuan Energy Internet Research Institute, Tsinghua University, has consistently focused on promoting the industrialization of innovative companies in the energy and climate sectors since its establishment. It recruits and supports global technology innovation companies to accelerate their growth in the energy and climate fields.

In 2024, the special edition of the EXCEL Accelerator was launched in collaboration with the Tsinghua University Department of Electrical Engineering Alumni Association. This initiative provides a platform for communication and collaboration among medium and large enterprises, technology-driven companies, and alumni from the investment community. It aims to assist and support alumni and their enterprises in the development of new power systems, the creation of a new energy framework, and the achievement of carbon neutrality goals, contributing the strength of Tsinghua University in these efforts.



Innovation Ecosystem

Business Matchmaking

# NEX Climate Fintech Accelerator

*The First Domestic Accelerator Focused on Climate Fintech*

The NEX Climate Fintech Accelerator primarily serves fintech companies, aiming to promote the industrialization of fintech innovations in the climate sector. Leveraging the needs of companies within the industry, it provides a range of support services—including technology optimization, industry connections, and market expansion.

Over the past two years, the accelerator has recruited 28 innovative companies and supported 42 entrepreneurs.

On December 12, 2024, NEX China, in collaboration with the Yangtze River Delta Hi-Tech Park, hosted the 2024 NEX Climate Fintech Innovation Day, which was an integral part of Shanghai Climate Week. The event focused once again on climate fintech issues.

14

Startups

\$1.3M

Revenues of startups (partially)

20M tons

Reduction of indirect CO<sub>2</sub> emissions of startups (partially)



Digital Climate Group



2024 NEX Climate Fintech Accelerator Startups



Corporate Innovation

Business Matchmaking

Research and Consulting

# LG Energy Solution: China Battery Landscape

## The Exploration of the Chinese Battery Market

The project is jointly initiated by LG Energy Solution and NEX China, focusing on the three key directions of power battery, battery management system (BMS), and energy storage system (ESS), aiming to jointly explore more possibilities in China's energy storage field and power battery market.

Over the course of the seven-month program, LG Energy Solution, with the assistance of NEX China, engaged with numerous Chinese power battery and energy storage companies, selecting a few for in-depth discussions and reaching preliminary cooperation agreements. In addition, the project focused on research in related fields and produced an industry report, providing an in-depth exploration of the development of battery technology and market trends in China.

### Key Areas



Power Battery



Battery Management System (BMS)



Energy Storage System (ESS)

### Program Progress

250+

LG Energy Solution reaches the number of companies in the field of power batteries and energy storage in China

Screening interviews

13

13 battery companies were shortlisted to have further discussion with LG Energy Solution

Multiple rounds of communication

6

6 battery companies preliminary cooperation intentions were reached with LG Energy Solution

### Industry Research

3

Industry reports to gain deeper insights into China's technological development and market trends

Corporate Innovation

Business Matchmaking

# LG Energy Solution Battery Challenge 2024

## *Catalyzing Battery Technology Innovation Globally*

This project, initiated by LG Energy Solution in collaboration with NEX, aims to accelerate the adoption of new battery technologies and business models globally. As the project manager and promoter, NEX recruited over 140 innovative companies worldwide to participate.

After a rigorous selection process, 19 companies advanced to the interview stage, where they engaged in in-depth discussions with LG Energy Solution about their innovative technologies and potential for collaboration. Following the evaluation, two companies—Iontra from the United States and Evyon from Norway—stood out and each won a US\$30,000 prize. Additionally, they will collaborate with LG Energy Solution to bring their innovative projects to fruition, further advancing technological breakthroughs.

> 141 Number of companies recruited

> 19 Number of companies shortlisted for interview

> 2 Number of winners



## Winner of the LG Energy Solution Battery Challenge 2024

# Iontra

Iontra is a venture-backed battery charging technology company based in Colorado, USA. Their technology works with all commercial lithium-ion batteries, enabling product OEMs to provide substantially better performance and safety to their customers. Iontra will be releasing its custom battery charging-specific microcontroller unit (IONTIC MCU) in late 2026 as a turnkey solution for adoption by consumer electronics OEMs at scale.

### Impact on the Clean Energy Landscape

- **Technological Innovation:** Iontra's unique and patented charge control solution uses electrodynamic theory to understand a battery and facilitate delivery of a balanced current and better Lithium intercalation, resulting in minimization of many damage mechanisms otherwise resulting from battery charging.
- **Improved Efficiency and EV Adoption:** By enabling efficient charging and stable performance in cold weather, the technology enhances battery efficiency and accelerates electric vehicle adoption.
- **Reduced Manufacturing and Waste:** Through optimized production processes and extended battery lifespan, it reduces device manufacturing volume, enhances energy storage efficiency, lowers replacement frequency, and minimizes waste from discarded products. Additionally, it significantly cuts CO2 emissions.

### Participation in the LG Energy Solution Battery Challenge 2024

“ We have long admired LG Energy Solution as a leader in the battery industry and were excited to work with them. This deeper connection with LG Energy Solution allows Iontra to showcase its innovative technology to a leading battery cell manufacturer. While we primarily target companies making battery-powered products to enhance charging performance, our solutions also apply across the battery value chain, from cell quality evaluation to QA/QC and product company cell selection.



“ Our recent Series C financing supports the significant market potential of our technology and positions us for aggressive growth, starting with customers launching Iontra-enabled products in a matter of months and samples of our purpose-built MCU becoming available for customers in 2025. [We] really appreciate NEX's support throughout this process. They were responsive, considerate and communicated expectations very well.

## Jeff Granato

Co-founder of Iontra



## Winner of the LG Energy Solution Battery Challenge 2024

# Evyon

Evyon exists to enable maximum value generation from EV batteries by combining cutting-edge battery intelligence and the industrialization of repurposing. Evyon's proprietary hardware and Battery Cloud ecosystem enable the conversion of spent EV batteries into high-value and low-footprint battery energy storage systems for a range of quickly growing segments.

### Impact on the Clean Energy Landscape

- **Technological Innovation:** Evyon has developed technologies, processes and business relations that enables the conversion of EV battery modules into a safe and certified. This includes Evyon's own Battery Cloud infrastructure that monitors systems live also after they are put into their second life.

## 240 tons

**Reduced CO2 emissions**

### Participation in the LG Energy Solution Battery Challenge 2024

“ LG Energy Solution's desire to identify and support the companies and technologies that drives the battery industry forward resonates perfectly with Evyon's mission and vision, so we decided to apply right away. Eventually, through the LG Energy Solution Battery Challenge, Evyon was selected as the finalist and will work with LG Energy Solution to prove that it is possible to scale up a stationary energy storage product based on LG Energy Solution' automotive battery modules. By working directly with a leading cell- and module-manufacturer like LG, Evyon's development can be accelerated through working directly with the right experts, and it will also guarantee for our long-term access to battery modules. If we are successful with the first pilot, the ambitions are clear: To scale up a stationary energy storage solution based on repurposed battery modules from LG Energy Solution. The target is first and foremost on spreading this across Europe before considering other geographies.



“ Since we started Evyon back in 2020, our ambition has been to prove that repurposing of EV batteries can become both an environmentally and economically sustainable alternative to brand new batteries. The recognition and support from a world-leading brand like LG Energy Solution is a monumental step closer to realizing this ambition. We are grateful for the opportunity offered by New Energy Nexus and look forward to working with LG Energy Solution.

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**Jørgen Erdal**  
Founder of Evyon



Innovation Ecosystem

Business Matchmaking

# TERA-Award Smart Energy Innovation Competition

*Million-Dollar Support for Zero-Carbon Technology Innovation*

The competition offers a million-dollar grand prize, aiming to identify and support zero-carbon technology innovations globally to promote the development of green energy. NEX China has been partnering with the competition for four years, fully supporting recruitment, promotion, and connecting global resources.

The fourth edition of the competition is currently open for recruitment, with this year's focus on six key tracks: renewable energy, energy storage and conversion, CCUS technologies, green fuels and hydrogen energy, intelligent energy system, and smart cities. Register now and compete for the million-dollar grand prize!

## 2023-2024 3rd TERA-Award

NEX China assisted in the completion of the overseas briefing session

# 1

Recruit from all over the world to high quality projects

# 1

The proportion of overseas projects

# 76%

The fourth contest is hot recruiting

Click [here](#) to register now  
Hit the million-dollar jackpot



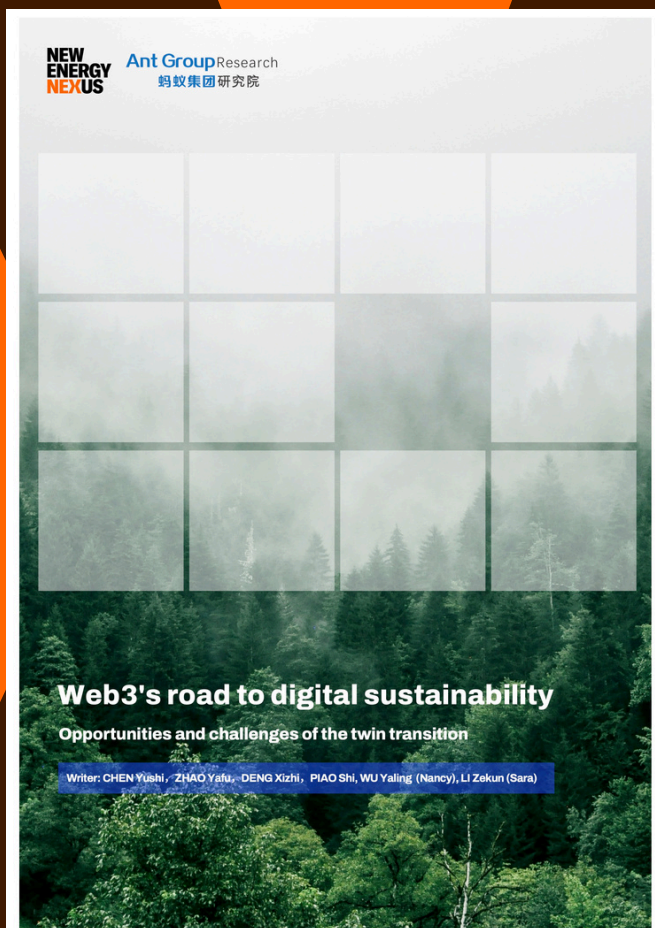
## Research and Consulting

# Ant Group Research Institute X NEX China

*Support sustainable development with expertise and open up business growth opportunities*

By delivering up to two industry insights reports each quarter—covering topics such as renewable energy and power grids, cross-border carbon management, and AI in sustainable development—NEX China will leverage industry analysis, case studies, and expert interviews to provide high-quality research support. In addition, the project will facilitate introductions to relevant enterprises and institutions to foster deeper collaboration. Research outcomes will be disseminated through short reports, online webinars, and community forums, ensuring alignment with industry trends and Ant Group's strategic goals.

By the end of 2024, the project will have delivered two reports on "AI and Power Markets," conducted two close-door sharing sessions, and engaged nearly 100 participants, providing comprehensive support to Ant Group.



**Winner of 2024  
FOR GOOD  
AWARD**

**Top 10 Academic  
Report of the Year**

This report is jointly completed by NEX and Ant Group Research Institute, aiming to explore the impact of Web3 technologies on the low-carbon transition.

NEX leveraged its expertise in climate fintech and industry influence to provide Ant Group Research Institute with cutting-edge knowledge and strategic support, empowering Ant Group's teams across investment, product development, and international cooperation.



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**ECOSYSTEM  
ENGAGEMENT**

# In 2024, we are also continuing to expand our reach...



41

The number of events organized and participated in by NEX China



69,000+

Number of visitors who interested in low-carbon topics covered by our events



8

Participated in or organized government-enterprise exchange meetings



230+

Ecosystem partners connected through our events



3

NEX China and three climate fintech accelerator startups were interviewed by Southern Weekly on cross-border carbon management



7

Community events “Cheers! Thursday”

Involving cross-border carbon management, green transition of large enterprises, AI X Climate and other cutting-edged topics



2,100,000+

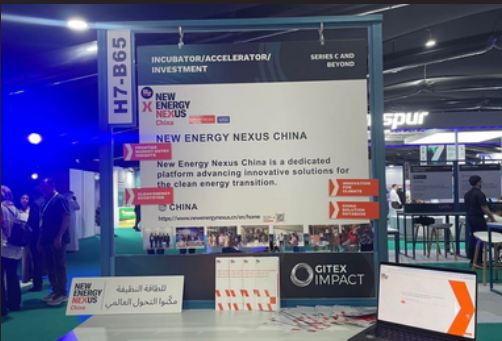
Annual impressions



BNEF X NEX China 2024 Climate Technology Innovation Night



Cheers! Thursday AI X Climate Series of Community Events



NEX China Participated in GITEX Exhibition



NEX China Participated in S-tron Innovation Summit



NEX China Organized "Technology x Sustainability = X" forum in Bottle Dream Summit



NEX Global Representatives Gathered in Shanghai to Visit NIO



Christina Borsum, Chief Financial Officer of NEX, was invited to attend 2024 International Forum on Sustainable Energy Development



# 2024 Annual Highlights



**At the CIIE**

**1**

**Launch of Non-Profit Open-Source  
Meteorological Data Platform**

**2**

**Became One of the Official Partners  
of the HSITP**

**3**

**Became a Partner of the First  
Shanghai Climate Week**

**4**

**Dialogue with Southern Weekly**

**5**

**Focused on Youth Needs**

**6**

# NEX at the CIIE: Building a Bridge for Global Innovation and Collaboration

The China International Import Expo (CIIE), as the world's first national-level trade fair focused on imports, brings together global business leaders and innovators. This year, the event garnered over 100 million views online. The Innovation Incubation Zone showcased 360 innovative projects from 34 countries and regions, supporting the international development of small- and medium-sized enterprises and startups.

During the event, NEX partnered with the Bay Area Council to organize the "CIIE US-China Visit Delegation," leading a delegation of American entrepreneurs to China. This facilitated in-depth exchanges and built bridges for collaboration between Chinese and international enterprises. NEX Global CEO Henri van Eeghen was also invited to Shanghai to engage in in-depth discussions with local and international partners, sharing insights and case studies from NEX's global innovation efforts.

California-Maryland-Shanghai Project Matchmaking Meeting



Cheers! CIIE



Opening ceremony of the California Pavilion at the CIIE



Henri van Eeghen, CEO of NEX, was invited to attend The 4th Intelligent Transportation Shanghai Forum and share experiences in innovation



The Shanghai Municipal Transportation Commission organized on-site visits to enterprises

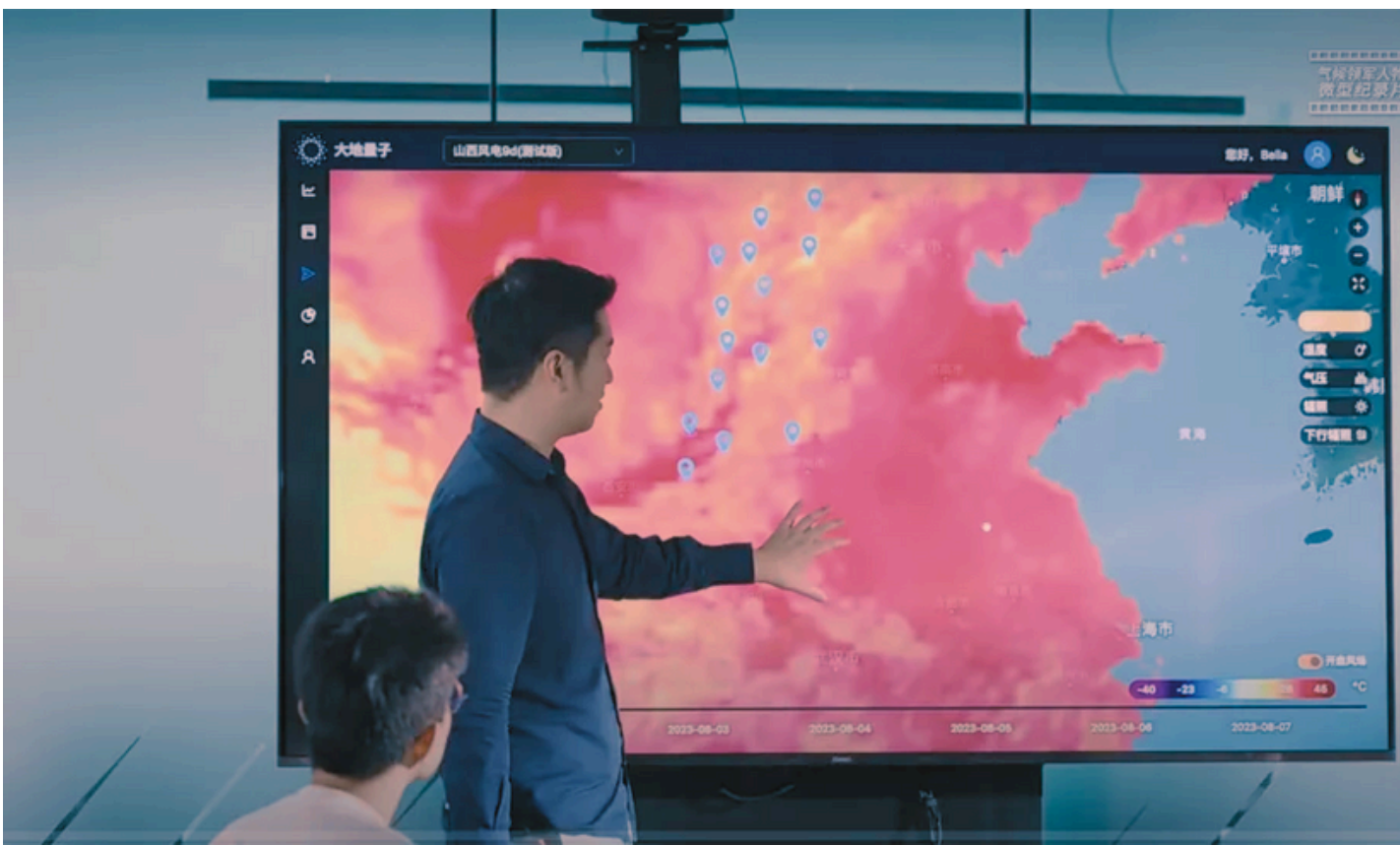


# NEX China Collaborates with TerraQuanta to Promote OpenEarthTwin

This year, TerraQuanta, an AI startup supported by the NEX EXCEL Accelerator and Climate Fintech Accelerator, launched the open-source platform, "OpenEarthTwin." This platform aggregates various open-source meteorological data and provides it to domestic users via APIs and visualization tools.

As a non-profit project involving multiple organizations, the platform serves industries such as renewable energy, agriculture, and natural disaster forecasting. It supports a wide range of global open-source predictions, including weather forecasting from large models. OpenET has integrated open-source global model data from multiple countries, including ECMWF, NOAA, DWD, CMA, and the UK Met Office. In the future, OpenET will integrate more large models, such as the domestic Fengwu and Fuxi, to provide users with more authoritative data services.

As a co-promoter of the project, NEX China will continue to leverage its strengths in connecting global resources and promoting climate finance tech innovation to bring more collaboration opportunities and technical support to the OpenEarthTwin platform, helping it expand its global influence and applications.






## Official Partnership!

# NEX China Becomes One of the First Partners of the HSITP

New Energy Nexus joined the inaugural set of approximately 60 organizations to launch the partnership with Hong Kong-Shenzhen Innovation and Technology Park (HSITP) – a new zone being developed with supportive government policies, state-of-the-art infrastructure, and pioneering research facilities. John Lee Ka-chiu, the Chief Executive of Hong Kong, attended the launch ceremony, along with Michael Wong, Acting Financial Secretary; and Professor Sun Dong, Secretary for Innovation, Technology and Industry. Other partners include Alibaba Entrepreneurs Fund (AEF), China Mobile Hong Kong, Lenovo Group, Peking University, Tsang Group Holdings, Tsinghua University, Zhongguancun Beijing-Hong Kong-Macao Youth Innovation Centre, and the Tseng Group.



NEX, as a Clean Energy Accelerator, brings extensive experience in supporting the development of innovative enterprises, with a mission to drive the innovative development of the clean energy ecosystem. In the Chinese market, we actively respond to the "30-60" dual-carbon strategy and continue to implement the "China In, China Out" strategy.

Through various initiatives, including accelerator programs, high-level visiting delegations, and a variety of ecosystem activities, we aim to promote clean energy advancement. We look forward to deepening our collaboration with the HSITP, providing practical support in talent flow, logistics, funding, data flow, and more for innovative enterprises. This will further drive the long-term goal of "Chinese enterprises going global and bringing international enterprises to China."



# Exciting Series of Events!

## NEX China Becomes a Partner of the First Shanghai Climate Week

### First step: April 25, 2024

On April 25, we co-hosted the "2024 Climate Fintech Accelerator Open Day" and the "Cheers! Climate Week" event with our ecosystem partners. These events took place at the "Climate Finance Park" and the "Climate Community Park" segments of Shanghai Climate Week, contributing to the exchange of ideas and collaboration in the green and low-carbon ecosystem. Over 160 professionals from government, financial institutions, large enterprises, innovative companies, and ecosystem partners participated in the events.



2024 NEX Climate Fintech Accelerator Open Day - New Members' Representatives and Award Presenters



Cheers! Climate Week - Speech by He Chaoxin Session

### Second step: June 19, 2024

The "Technology-Driven Green Development" forum, jointly organized by Fudan University School of Management and Shanghai Climate Week, was held on June 19, 2024. The forum aimed to explore how technological innovation can drive green and sustainable development, achieving a win-win situation for environmental friendliness and economic growth. NEX China, as one of the co-founders of the ESG community, also participated in the event.



NEX Participates in Roundtable Discussion

### Third step: December 12, 2024

The 2024 NEX 2024 Innovation Day featured the interpretation and launch of the flagship topic report "Climate Tech Focus" for COP29. In addition to this, three parallel forums were set up to engage in in-depth dialogues on the topics of AI in energy and power systems, international green trade barriers, and the integration of green finance and inclusive finance. The event attracted over 70 industry guests and professional audiences, who engaged in lively discussions on how to address the global climate change challenges.



## Dialogue with Southern Weekly

# Opportunities and Challenges of Going Global Under Green Trade Barriers

In June, 2024, NEX China and the startups participating in its Climate Fintech Accelerator—WeCarbon, Carbon Newture, and CarbonEase—were interviewed by Southern Weekly regarding the challenges and opportunities Chinese companies face when dealing with green trade barriers while expanding overseas.

### Founder of WeCarbon, Yingchao (Eric) Ma:

Many Chinese enterprises, especially small and medium-sized ones, face challenges under foreign policies such as the EU Carbon Border Adjustment Mechanism (CBAM). They lack basic awareness and do not know how to respond. However, at present, most businesses have yet to feel the tangible impact.

### NEX China Climate Fintech Program Manager:

NEX supports Climate Fintech innovation enterprises through the Climate Fintech Accelerator, leveraging technologies such as cloud computing, big data, and artificial intelligence to enhance carbon management efficiency and reduce costs. Under the pressures of green trade barriers, Chinese enterprises are gradually raising their environmental standards and international competitiveness. NEX China is fully committed to driving innovation in the energy sector and supporting the development of small and medium-sized enterprises throughout this transformation.

### Founder & CEO of Carbon Newture, Yanxiang (Arthur) Huang:

Green and low-carbon is expected to become a core advantage for China's manufacturing sector, serving as a new hallmark for enterprises going global. While green trade barriers pose challenges, they also drive businesses to raise their environmental standards and achieve a green transformation, making them more competitive in the international market.

### CEO of CarbonEase, Long Chen:

Calculating carbon footprints is an extremely complex mathematical challenge, particularly for the entire supply chain. This impacts both the leading enterprises and their suppliers at various levels, especially small and medium-sized enterprises within the supply chain. These businesses often lack the necessary resources and capacity to address this challenge, making their situation even more difficult.

# Focusing on Youth Needs Gathering New Forces for Green Transformation

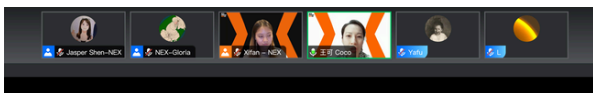


NEX China has continuously focused on youth development, hoping to gather more new forces to accelerate the transition to a clean and sustainable future. In 2024, we organized four events targeting both Chinese and international students, inviting over ten industry experts and founders of innovative companies to share insights on topics such as green industry development trends, relevant case studies, and career opportunities and development.

## University Collaborative Lecture Series

This lecture series was hosted by NEX China and co-organized by the School of Finance at Southwestern University of Finance and Economics, aiming to expand the influence of Climate Fintech among young people and encourage more students to engage in the green transformation. The lecture was led by CEO of Carbon Newture, and CTO of WeCarbon Technology, both supported by the NEX Climate Fintech Accelerator. The two events attracted nearly 300 university students to participate online.

## Green Journey Begins – Online Climate Job Fair



In September 2024, NEX China successfully hosted the "Online Climate Job Fair". The event invited four senior experts from consulting firms, asset management institutions, and startups to share their industry experience and recruitment information through company presentations, career planning discussions, and live Q&A sessions. The event attracted over 100 students from both domestic and international backgrounds, who left with valuable insights on career prospects in the climate sector.

## Singapore Youth Study Exchange Conference

In December, 2024, NEX China, in collaboration with the Singapore-based accelerator Reactor, hosted a youth exchange event in Shanghai focused on clean energy. The event featured presentations from NEX China project manager Yu Zhou and the Head of Strategy and Risk Management at Suzhou Zooming New Energy, Cao Shuo. They shared insights on the development of the domestic clean energy startup ecosystem and provided industrial insights.

The event attracted over 20 students and faculty members from National University of Singapore, Nanyang Technological University, Singapore Management University, and Ateneo de Manila University. With diverse academic backgrounds in business, engineering, and humanities, the participants showed great interest in the development and future applications of the new energy sector, engaging in lively discussions on-site.



# 2024 Spotlight Solutions



**Carbon Newture**

**1**

**HuaMod**

**2**

**Jiangxing Intelligence**

**3**

## Carbon Newture

# Launches First Carbon Inclusive Finance Project for SMEs – "Carbon Data Loan"

### NEX Climate Fintech Accelerator 2023 Cohort and Honorary Alumni

As a green and low-carbon service platform company, Carbon Newture supports enterprises in achieving green transformation by offering carbon accounting, carbon data disclosure, and green finance services.

"Carbon Data Loan" is an innovative financial project developed in collaboration with China Construction Bank, designed for small and medium-sized enterprises (SMEs). It provides low-interest loans to support businesses in areas such as carbon accounting, technological upgrades, and clean energy procurement. This project not only helps enterprises obtain international certification and enhance their global market competitiveness but also opens doors to international markets. In the future, Carbon Newture plans to replicate and promote the "Carbon Data Loan" service model to meet the diversified needs of businesses in their low-carbon transformation journey.

By joining the NEX Climate Fintech Accelerator, Carbon Newture gains opportunities to connect with more ecosystem partners and better understand industry development trends and customer needs. Leveraging NEX's extensive network and resources, Carbon Newture is continuously expanding its influence and accelerating its growth in the green finance sector.



China Construction Bank and Carbon Newture Hold "Carbon Data Loan" Signing Ceremony at NEX Climate Fintech Accelerator Open Day

HuaMod

# 2024 Annual "Specialized, Refined, Distinctive, and Innovative SMEs" of Sichuan Province

## 2023 EXCEL Accelerator Cohort

HuaMod is an innovative power system company focused on distributed energy management and virtual power plants. It is dedicated to enhancing the flexibility, reliability, and economic efficiency of power systems through its innovative technologies. The company's primary products include virtual power plants and micro-grid solutions, which use digital technology and AI algorithms to achieve comprehensive grid monitoring and optimization.

Additionally, by incorporating smart charging stations, energy storage control devices, and other hardware, it ensures precise control of distributed resources. With more than 80% of its team dedicated to research and development, HuaMod holds over 30 patents. Its DR Epic product series manages over 5 billion kWh of electricity resources, showcasing the company's strong capabilities in technological innovation and power system management.

The EXCEL Accelerator has been instrumental in supporting HuaMod's growth, providing a platform for international perspective and comprehensive capacity building. Since joining the accelerator, HuaMod has made steady progress, actively exploring broader development opportunities, and contributing Chinese innovation to the global energy transition.

	<p><b>Resource type:</b> Southern Regional Charging Station</p>		<p><b>Resource type:</b> Transportation hubs, roadside charging and storage stations, optical storage and charging stations, commercial buildings, industrial parks, public institutions.....</p>
<p><b>Construction features:</b> Vehicle-network interaction, multi-provincial and municipal market power spot, four-network integration</p>	<p><b>Construction features:</b> Traffic-in situation, market response, autonomous scheduling, and flexible regulation</p>		
	<p><b>Resource type:</b> Energy storage, photovoltaics, charging stations, hydrogen production and refueling stations, refrigeration stations</p>		<p><b>Resource type:</b> Self-operated charging stations</p>
<p><b>Construction features:</b> Multi-market varieties, multi-resource types, ancillary services</p>	<p><b>Construction features:</b> Flexible deployment, market-oriented, and scalable</p>		

Hua Mod Virtual Power Plant Projects

## Jiangxing Intelligence

# was selected as one of the 2023 Jiangsu Potential Unicorn Companies

2023 EXCEL Accelerator Program Enrolled Companies, 2024 EXCEL Accelerator Special Edition - "Innovation Sharing Program"

As an active innovator in the field of edge intelligence for power systems, Jiangxing Intelligence has been committed to driving the digital and intelligent transformation of the power and energy industry since its establishment in 2018. With edge computing at its core and combined with artificial intelligence algorithms, the company extracts value from Internet of Things (IoT) data and continuously empowers the industry.

The company focuses on two core product lines: smart inspection and load control. The smart inspection system has been successfully applied in various scenarios such as substations, renewable energy stations, wind turbines, and photovoltaic stations. By utilizing remote intelligent patrol systems, it enables real-time monitoring and maintenance of equipment. The load control product addresses the trend of integrated source-grid-load-storage, optimizing distribution network loads through terminal regulation and improving grid regulation capabilities. Furthermore, the company has also participated in technical standard discussions with the State Grid Equipment Department, showcasing its technological leadership in the industry. To date, Jiangxing Intelligence has completed five rounds of financing, raising billions of yuan.

The company is also actively exploring international markets. By collaborating with partners such as NARI Technology and China Electric Equipment, its products are being deployed in regions such as Brazil, the Middle East, and South Africa, aiming to address local grid and distribution issues, improve photovoltaic utilization, and reduce overall electricity costs.

Jiangxing Intelligence, as one of the first enterprises to join the 2024 EXCEL Accelerator Special Edition – "Innovation Sharing Program," actively participated in various industry development, technology transfer, and investment matchmaking activities jointly organized and initiated by NEX. Through these engagements, the company achieved comprehensive growth and development.

Jiangxing Intelligence CEO Pang Haitian Accepts Interview







**THANK YOU  
PARTNERS!**

# Thank You Partners!

We're sincerely grateful to you for your time and generous support in 2024! Thank you for being part of our network and inspiring us to advance the clean energy transition in China and around the globe.

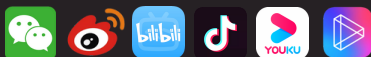
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- CAFI
- Carbon Newture
- China Association For NGO Cooperation (CANGO)
- China Construction Bank Shanghai Branch
- China Energy Research Society
- China International Import Expo Bureau
- China Social Enterprise and Impact Investing Forum
- China SAE
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