

NEW ENERGY NEXUS

China

IMPACT REPORT
2022



ABOUT NEW ENERGY NEXUS

New Energy Nexus is the world's leading clean energy ecosystem builder. We provide funding, accelerators, and training to help diverse entrepreneurs build a 100% clean energy future, from emerging tech through to clean energy adoption and distribution.

Our Vision

An abundant world with 100% clean energy for 100% of the population, in the shortest time possible.

Our Mission

To support diverse entrepreneurs to drive innovation and build equity into the global clean energy economy.

Our Goal

To reach 100,000 entrepreneurs by 2030.

Our Impact



Tackling climate change



Building an equitable clean energy economy



Increasing energy access



Creating green jobs



Connecting innovation ecosystems

2022 IMPACT IN NUMBERS

CHINA

Entrepreneur Data



75

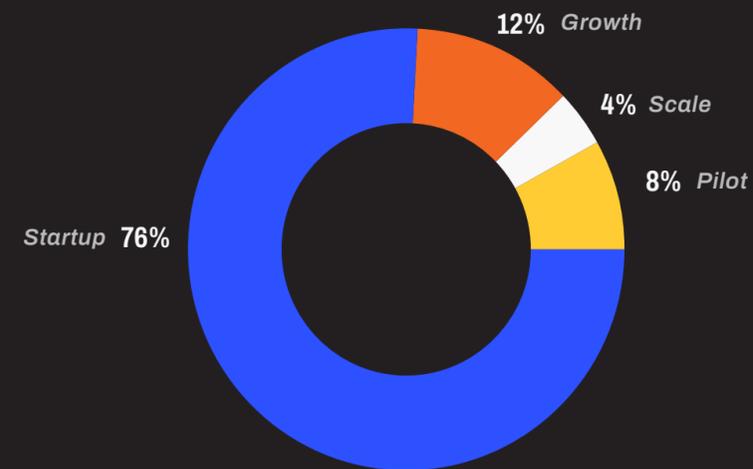
Entrepreneurs supported



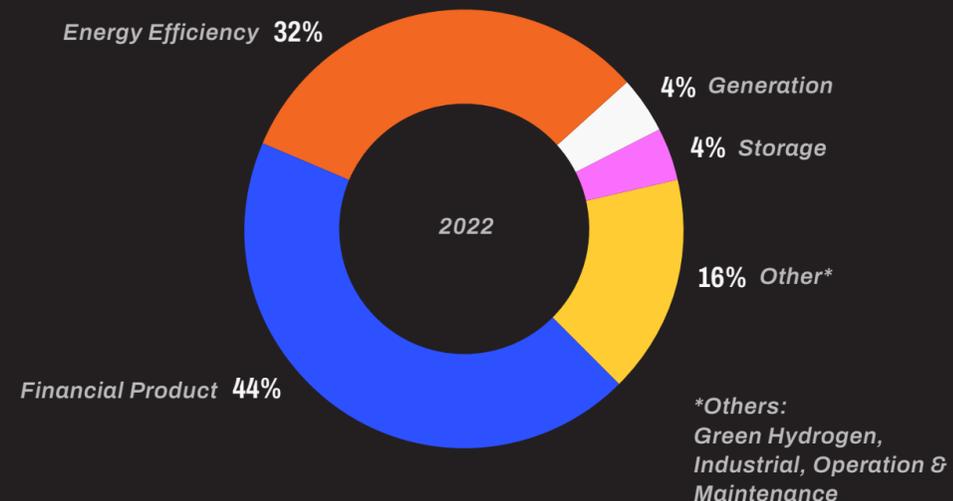
23

Women entrepreneurs

Startups by stages



Startups by sector



Startup Data



25

Portfolio startups

(Number of startups supported through incubator, accelerator, scale or funding programs)



36%

Women in leadership

(Founder/co-founder/c-suite)

Ecosystem Data



17

Stakeholder events hosted/co-hosted



806,084

Participants (online and offline)

Q&A WITH ANDREW CHANG

Program Director at
New Energy Nexus China



What are your major achievements of 2022?

We're proud to be growing our impact and our presence in China. We added five new members to our team, up from four at the end the previous year. We also brought on three new strategic partners this year to expand our sector focus and to highlight stories of climate innovators emanating from the ecosystem in China.

What unique role does New Energy Nexus play in China?

What sets us apart is that we are a global organization with deep experience in accelerating clean energy startups and building innovation ecosystems. China's government has set ambitious carbon neutrality targets which requires global solutions to be deployed in the market. We've adopted a "China In, China Out" strategy, where global startups can enter the Chinese market and where Chinese startups can go abroad.

There also continues to be inequity in how the clean energy sector benefits different communities, for example, Western China is rich in renewable energy

resources, Eastern China namely Beijing, Shanghai, Guangzhou, Shenzhen still hold the lions share of the country's wealth. Our goal is to bridge that gap and create more synergies through private and public partnerships, and diverse stakeholders from climate finance, fintech, and renewable energy communities.

What are you excited about for 2023?

Sub-national governments lack commercial know-how, proper methodology and tools, and innovative climate solutions to meet the high-level goals set by the national government. New Energy Nexus China will support sub-national governments to develop a green transition roadmap and implement these solutions locally with knowledge resources, accelerator programs, and ecosystem building events. We also aim to promote more startups to global and national markets with community events and marketing initiatives.



WHAT WE DO

Since 2016, New Energy Nexus has acted as a bridge between clean energy entrepreneurs and the partners that can help them thrive. We run several programs that aim to accelerate clean energy entrepreneurs and build an inclusive ecosystem to scale innovation where it's most needed.

Climate Fintech

Digital financial technology (known as fintech) has already disrupted the global financial system. Recent improvements to banking, customer experiences, and investment decision-making do not always consider the health of our planet, which is why New Energy Nexus is working to foster fintech solutions that can drive 100% clean energy for 100% of the population. Our climate fintech work in 2022 has been led by New Energy Nexus China, and focussed on building a fintech innovation ecosystem.

In China, we collaborated with several partners, including Impact Hub Shanghai, Impact X, 2060 Advisory, and Fanhai International School of Finance in Fudan University to run online and in-person forums, summits, bootcamps, and workshops. These have involved more than 500 attendees and attracted over 781,000 online views, as well as an online community platform with around 200 active members.

In addition, our climate fintech team published eight reports in 2022 covering topics such as blockchain and distributed energy, building energy efficiency, satellite remote sensing technology, Web3, personal carbon accounts, and automotive supply chain carbon footprint.

EXCEL Accelerator

EXCEL Accelerator is a flagship program jointly organized by New Energy Nexus and the Energy Internet Research Institute at Tsinghua University. We recruit growth-stage startups worldwide work, with an emphasis on heavy industry and utilities. We provide capacity building, technology workshops, and market consultation over six months.

In 2022, EXCEL Accelerator supported 14 global startups (40% focusing on hardtech and 27% providing digital solutions) with five online/offline training and industry events. Four startups received the next round of funding and two startups signed Proof of Concept (PoC) with corporate partners.



WHAT WE DO

TERA-Award Smart Energy Competition

The TERA-Award Smart Energy Innovation Competition is a global startup program aiming to help selected clean energy startups achieve commercial success. The Chinese government's "3060" decarbonisation target inspired Hong Kong-based utility Towngas to establish the TERA-Award, with New Energy Nexus as a solicitation partner. 56 global startups submitted applications, with selection and due diligence underway in 2023.

Energy Internet Innovation and Entrepreneurship Summit (Fourth Edition)

This summit involved technology companies, startups, accelerators, and governments for a two-day summit to share insight on the clean energy transition, strategies for success, and to establish new partnerships. In 2022, the summit was hosted online due to the COVID and included speakers from Three Gorges, Tencent, RMI, State Grid, Baowu, Towngas and 20 startups. Over 20,000 people watched live online and the event trended on Weibo with 600,000+ people reading and talking about the event.

Other initiatives:

Marketing: New Energy Nexus China reached over 11.4 million people on social media, as a result growing brand awareness and strategic marketing partnerships.

China Cleantech Podcast: a podcast that features China's cleantech innovations and trends, hosted by Andrew Chang and Marilyn Waite. In 2022, we published nine episodes in total for seasons 3 and 4.

TanLive (碳Live) Tencent launched this open online platform with ten partners, including New Energy Nexus. It provides an easy-to-use tool and resources for entrepreneurs, investors, and research institutions in the green tech sector: www.tanlive.com

NEX China Clean Energy Community: launched in 2022 with an offline kick-off event involving 50 partners, and an online community platform.

SOLUTION SPOTLIGHT

TerraQuanta (大地量子)

Creating a “Data Encyclopedia of the Earth”

TerraQuanta operates an AI-based geospatial imaging and analytics platform, creating what it calls a “Data Encyclopedia of the Earth”. It integrates massive multi-source satellite data through a team of experienced remote sensing scientists, and AI algorithm and engineering teams.

It provides solutions for forest fire monitoring, land planning, and environmental protection. It has supported applications across more than 30 scenarios: ground cover monitoring, crop yield estimation, water resources and water environment, forest resources dynamic and urban subsidence monitoring.

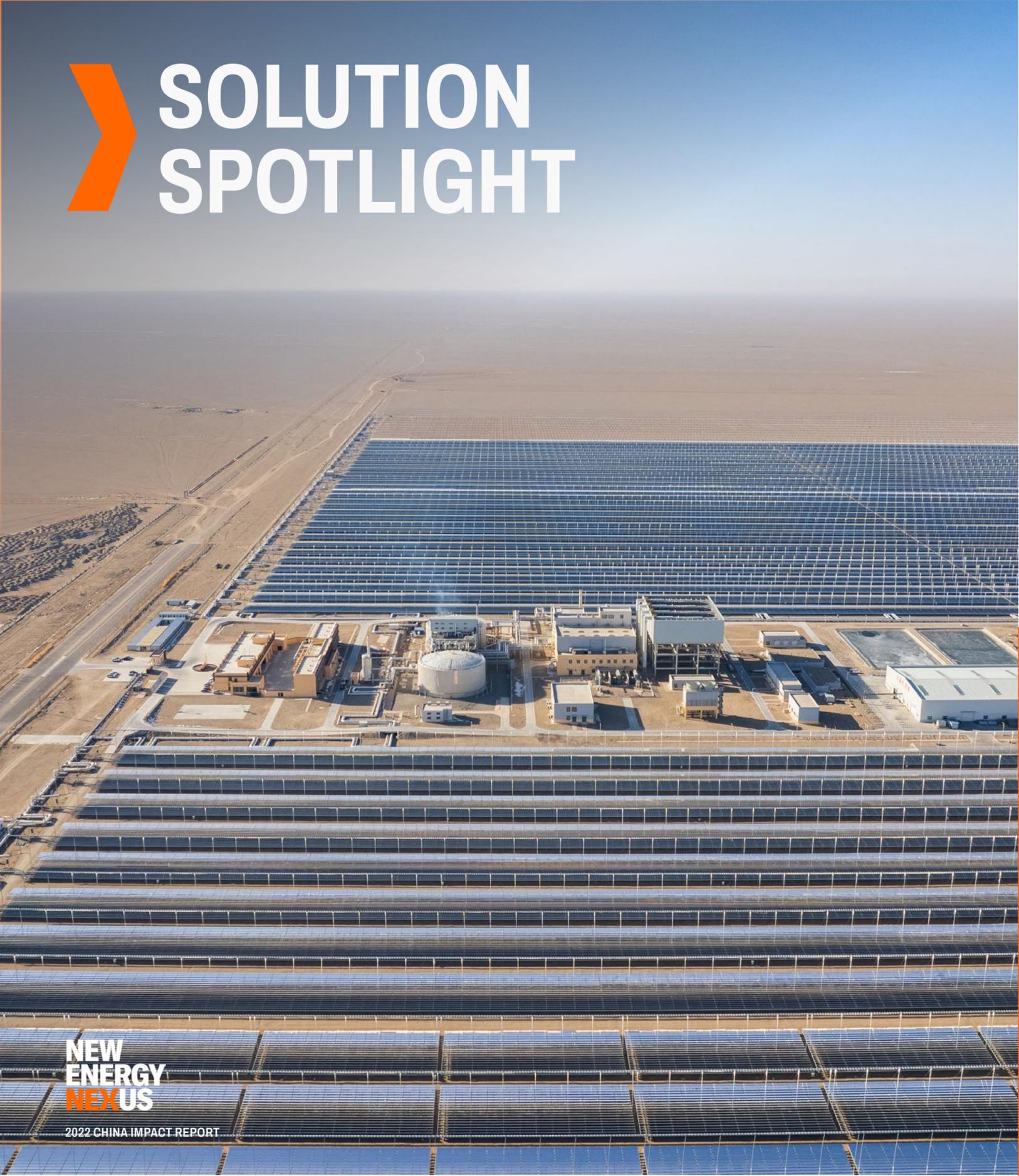


Support from New Energy Nexus

TerraQuanta participated in the third cohort of our EXCEL Accelerator program and is supported by our climate fintech team. With the support of New Energy Nexus, TerraQuanta attended the 4th Energy Internet Innovation and Entrepreneurship Summit, the Hainan Climate Fintech Summit, and was featured on our China Cleantech Podcast. TerraQuanta is now working closely with Amazon Web Services (AWS).



SOLUTION SPOTLIGHT



Syitsing Energy Technology (西清能源)

Digitizing China's power industry

Syitsing Energy Technology provides cutting-edge digital solutions for China's power industry, providing a comprehensive, one-stop solution that drives efficiency gains and help China achieve its net-zero goals.

Syitsing's core technologies include:

- › *Big data: gaining new insights and identify inefficiencies which leads to significant cost savings and environmental benefits*
- › *Digital twins: a virtual sandbox to test new strategies, which leads to efficiency gains and improved sustainability*



Support from New Energy Nexus

Syitsing Energy Technology is part of the third cohort of our EXCEL Accelerator. With the support of New Energy Nexus, Syitsing attended the 4th Energy Internet Innovation and Entrepreneurship Summit, and also gained exposure in tech media outlets.

SOLUTION SPOTLIGHT

Aitos.io (摩联科技)

Making carbon data more accessible and accurate.

[Aitos.io](#) is building a trusted digital base for the carbon data market. Its solutions enable the flow of data in an IoT world, allowing massive IoT devices to quickly implement trusted data on-chain and access blockchain services.

[Aitos.io](#) provides solutions for various scenarios. For instance, its module can be integrated into a distributed solar network to ensure that clean energy data is connected to the cloud and blockchain. The module can also be inserted into motorcycle batteries to track carbon data, or contribute to the decarbonisation of industrial buildings.



链接智能物联
让信任更自由



Support from New Energy Nexus

New Energy Nexus helped Aitos.io with the development of its business model, fundraising, and talent recruitment. Aitos.io has also joined the climate fintech community organized by New Energy Nexus.

Aitos.io's leadership team was invited to speak at the Impact X Summit Haikou 2022 and 2022 Climate Fintech Annual Summit as a keynote speaker, which attracted over 780,000 online views. They were connected with over 20 potential partners including startups, financial institutions, research institutions, and corporations. Aitos.io is rapidly growing with 10 staff joining in 2022, bringing the total team to 30 people.

WHO WE ARE



ANDREW CHANG
Program Director



BEIBEI GU
Program Director



MONTY WANG
Senior Financial Controller



YAFU ZHAO
Head of Climate Fintech



LILY LU
Program Manager



JASPER SHEN
Marketing Manager



AUSTIN LU
Climate Fintech Associate



GRACE DU
Community & Events Associate



XIZHI DENG
Climate Fintech Associate



BELLA XIAO
Financial Operations & Admin Associate

**NEW
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China

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Thank you to our partners

*Towngas
Energy Internet Research Institute, Tsinghua University
CIB Fintech
China Southern Fund
Asian Development Bank
GIZ
Amazon Web Services
RMI
Impact Hub Shanghai
Bay Area Council
Slush China
Tan Live
2060 Advisory
BottleDream
Young Green Tech
NIO
HolonIQ
Ladies Who Tech*