

NEW ENERGY NEXUS Indonesia

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 INDONESIA

Entrepreneur Data



1251

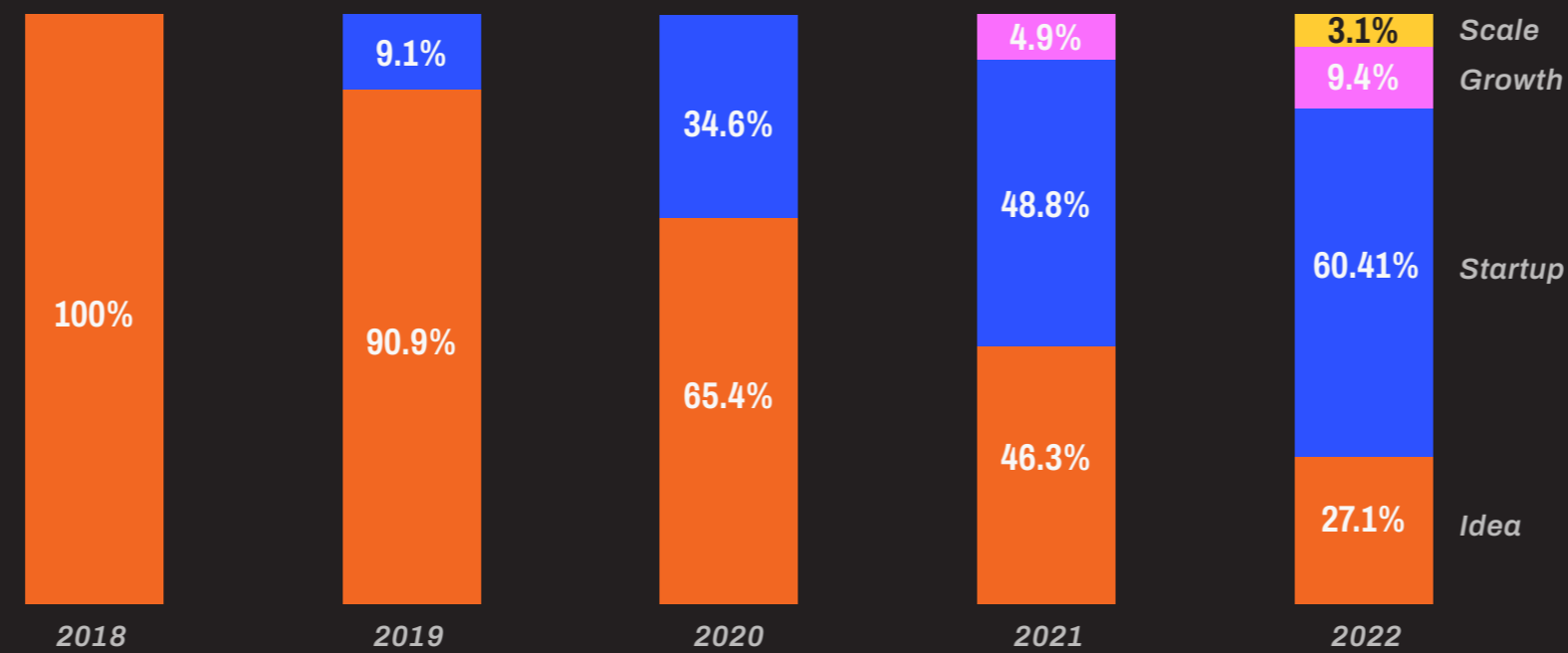
Entrepreneurs supported



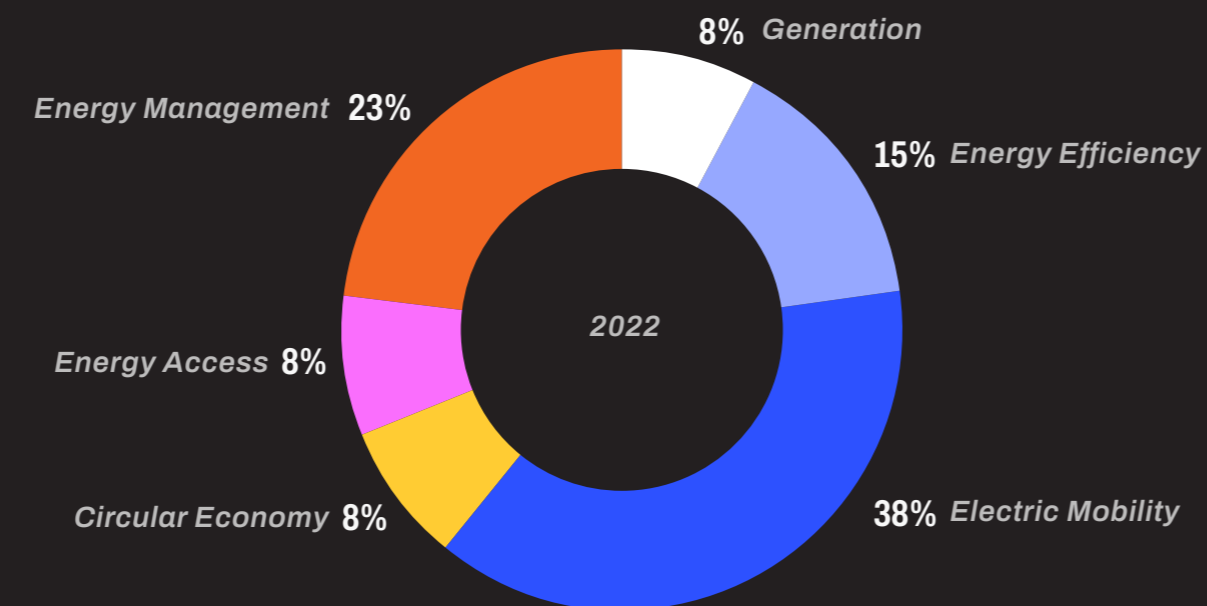
468

Women entrepreneurs

Startups by stages



Startups by sector



Startup Data



15

Portfolio startups

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



26.6%

Women in leadership

(Founder/co-founder/c-suite)

Ecosystem Data



43

Strategic partners engaged



11

Stakeholder events hosted/co-hosted



2484

Participants in ecosystem support programs and events



Q&A WITH DIYANTO IMAM

Program Director at
New Energy Nexus Indonesia



What are your major achievements of 2022?

2022 was an important year for the New Energy Nexus Indonesia team. We were finally able to hold, arguably, the first and biggest clean energy start-up festival in Indonesia, [RE]Spark. We welcomed over 1100 entrepreneurs, investors, students, government bureaucrats and media. This was definitely the biggest highlight of our outreach event, as we continue to find ways to inspire clean energy innovators, startups and entrepreneurs from all over Indonesia to develop solutions to solve real life challenges.

What unique role does New Energy Nexus play in Indonesia?

We are different because since our inception in 2019, New Energy Nexus Indonesia has positioned itself as an ecosystem builder that brings together different clean energy and climate stakeholders in the country to accelerate Indonesia's clean energy transition. As Indonesia is an archipelagic country, we know how challenging this will come for us, therefore our programs are tailored specifically to

the needs of clean energy and climate innovators, startups and entrepreneurs in all communities in Indonesia. We also strive to include elements of justice, equity, diversity and inclusivity in our activities and through programs such as Bali Women Climate Entrepreneurs.

What are you excited about for 2023?

In the coming year, we are excited to be able to support not only innovators, startups and entrepreneurs in the climate space through many of our projects and activities, but also to work with and join forces with other key stakeholders in the space. We also look forward to continuing to support more female innovators, startups and entrepreneurs and reaching out to underrepresented communities in the eastern part of Indonesia to further build the clean energy ecosystem in Indonesia.



WHAT WE DO

Indonesia's transition to clean energy needs a massive boost. Despite setting a target of 23% for renewables in the energy mix by 2025, the country reached around 12% by 2022. There is also insufficient investment in clean energy innovation.

That is where New Energy Nexus comes in. Since 2020, New Energy Nexus Indonesia acts as a bridge between different sectors and stakeholders, running incubation, acceleration, and funding programs to urgently develop the clean energy startup ecosystem.

[RE]Spark—Clean Energy Festival

[RE]Spark is an event that brings together startups, entrepreneurs, innovators, investors, government and private organizations, as well as communities to grow the clean energy ecosystem in Indonesia. New Energy Nexus has hosted the [RE]Spark Renewable Energy Festival 2022 with:

- › 1100+ participants
- › 4 main Events
- › 4 sponsors
- › 10+ community partners
- › 50+ clean energy and climate tech startups

Smart Energy—ecosystem building for clean energy startups

The Smart Energy Program supports clean energy innovators, startups, and entrepreneurs through outreach, capacity building, and funding. Part of the curriculum includes 1-on-1 mentoring sessions, impact and GHG calculation training, as well as networking held annually.

Funding and investment

We provide early stage catalytic funding through the Indonesia 1 Fund and non-commercial funding through the Smart Energy Grant program to selected startups within and beyond the Smart Energy program. The objective is to de-risk for follow-on investors and address funding gaps for early stage startups in Indonesia. We have supported 17 startups through both the Indonesia 1 Fund and Smart Energy Grant combined. In addition, as part of our [RE]Spark event in June 2022, we organized an Investment Speed Dating

in which we invited and curated 30 startups within 15 investors in the Clean Energy and Climate Innovation space. The event encourages and provides opportunities for the startups to develop and scale further. Following the event, participating investors have requested an aggregate of 45 follow-up meetings with startups they are interested in.

Policy and stakeholder engagement

Since August 2022, we have engaged more than 100 stakeholders representing cleantech startups, venture capitals, incubators, accelerators, venture builders, government ministries and agencies, local governments, universities, and non-governmental organizations to collect insights into the state of clean energy entrepreneurship in Indonesia, its barriers, and solutions. We use the information to advocate a more supportive policy and regulatory framework that can help unlock the clean tech startup potential in Indonesia.

Bali Women Climate Entrepreneurs—building gender equity

We aim to provide technical support for women-led climate startups so that they can more effectively scale their solutions. To date, we have engaged a total of 94 women in Bali through outreach events, and we are positive that we will be able to reach more in the coming years.

SOLUTION SPOTLIGHT



“New Energy Nexus’ program was very helpful, as it has offered us opportunities to collaborate with other startups in the EV ecosystem. The mentoring sessions were also helpful to our startup’s growth, especially in developing a new business model that is more impactful and scalable.”
— *Suharto Juma, CEO of NOA Bike*

NOA Bike

Advancing e-mobility In East Indonesia

NOA Bike is a startup that provides an electric bike rental service operating in Labuan Bajo, East Nusa Tenggara, and Bali. The business aims to support the sustainable transportation ecosystem and tourism as a way to bring a positive impact to the environment and local communities.

They started this as a part of the government’s initiative to develop Labuan Bajo as one of the super-priority tourism destinations, targeting one million visits per year. In addition, the use of transportation with fossils in the Eastern Part of Indonesia is still minimal, sparking an opportunity to introduce electric vehicles in the area.

The name “NOA” comes from Ende district in East Nusa Tenggara province, which carries the meaning “easy”. NOA Bike was created as a digital platform to provide “ease” for local people and tourists to access eco-friendly vehicles in Indonesia.



Support from New Energy Nexus

New Energy Nexus supported NOA Bike through its Smart Energy Acceleration Program by providing mentoring in HR, finance, and marketing and communication. New Energy Nexus has also provided NOA Bike with networks and exposure to stakeholders through events such as [RE]Spark Investment Speed Dating and Startup Exhibition. With the help of New Energy Nexus, NOA Bike managed to expand the ecosystem of electric bikes to Bali.

SOLUTION SPOTLIGHT



“New Energy Nexus Indonesia has been very helpful in getting us to scale this business. They help us connect to other startups and investors. We are able to manage this startup better. Everything is possible. This may be a small startup, but our dream for Indonesia is big.”

—Nova Aryanto,
CEO of Olat Maras

Olat Maras

Decarbonising Indonesia's cold chain storage

Indonesia's cold chain logistics market will be valued over US\$12 billion by 2031. If this market can be run on renewable energy, we can avoid the massive impact hydro-fluorocarbons (HFCs) have on the climate.

The fishing industry in Java and Bali depend on supplies from Eastern Indonesia, specifically West Nusa Tenggara. Over the years, fishermen from Bungin Island have been racing against time to sell their catch before it spoils. Bungin island is a populous island where the majority of the population work as fisherfolk.

Olat Maras provides solar-powered cold storage systems for these fisherfolk. Their product saves 30% from their daily electricity bill, as it is only charged for 9 hours instead of 24. Additionally, this allows fisherfolk to set a predictable price for their product and store fish longer than 12 hours. This means sales have been steadily increasing.



Support from New Energy Nexus

With the help of New Energy Nexus, Olat Maras Power successfully created Cold Storage NgebuUTS, a fish storage box energized in a hybrid with a combination of conventional electricity and solar power. The box is exclusively made to help the fisherfolk in Sumbawa Regency, especially those who live on Bungin island. They are aiming to make crucial improvements to fully apply solar power technology, and adding monitoring systems to digitize the process.

SOLUTION SPOTLIGHT



“New Energy Nexus has taught us how to strategize our business for sustainable growth by developing a realistic business plan. We learned that strategic thinking skills and measuring impact of our work are essential. We should think about how we, as a startup, can positively impact society and the environment through our business.”

—Nimas Puspito Pratiwi,
Co-Founder/COO at
BLUE/Warung Energi

Warung Energi/BLUE

Scaling solar in Indonesia’s remote areas

Warung Energi/BLUE (PT. Bina Lintas Usaha Ekonomi) is a renewable energy company based in Surabaya focusing on solar PV systems for the B2B and B2C sectors.

It serves the B2B market offering end-to-end EPC service that includes consultation, design, installation, training, as well as Operation and Maintenance (O&M) activities. BLUE also operates an online marketplace called Warung Energi, which sells solar PV system products, as well as home installation packages.

One of BLUE’s flagship projects is the installation of solar PV systems for schools, religious buildings, and solar-powered water pumps for irrigation in the remote village of Oebau, East Nusa Tenggara, where access to electricity was not previously available.

As of 2022, BLUE has installed solar PV systems that can generate 1,796 MWh of solar electricity annually and mitigates 2,015 t CO₂ emissions.



Support from New Energy Nexus

BLUE was one of the first companies funded by New Energy Nexus through its Indonesia 1 Fund, as well as one its grant recipients in 2020. The funding support from New Energy Nexus has enabled BLUE to scale their solar PV business and develop a new product development prototype called Jajan Energi—a remote energy monitoring and payment system.

WHO WE ARE



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WHO WE ARE



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ANGIN

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