

NEW ENERGY NEXUS

Digital Education

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

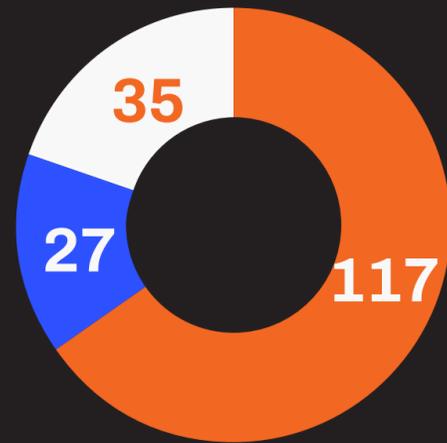


Connecting innovation ecosystems

IMPACT IN NUMBERS

194

Entrepreneurs supported in pilot program

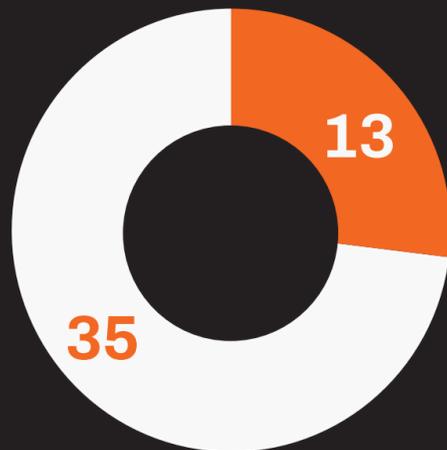


Digital Education Programs

- Women in Energy Entrepreneurship (WEE)
- Online Startup School (OSS)
- New Energy Academy

48

Total women entrepreneurs



Ecosystem Data



10

Strategic partners engaged



13

Stakeholder events hosted/co-hosted



485

Participants in ecosystem support programs and events

Q&A WITH

Brenda Valerio

Program Manager at
New Energy Nexus Philippines



Jui Joshi

Head of Women in
Climate Entrepreneurship Initiative,
New Energy Nexus India

What are your major achievements of 2022?

Brenda: We're thrilled to have launched the New Energy Academy in June and had over 250 enrolled students by end of the year; and we launched the Online Startup School with three courses available both in English and Bahasa, and over 100 students enrolled. We also secured strategic partnerships both locally and internationally to expand our Digital Education program.

Jui: For the Online Startup School this year, we were able to build four courses for students (in English and Bahasa), which were piloted in Indonesia. In our Women in Energy Entrepreneurship (WEE), we supported 35 aspiring entrepreneurs and collaborated with the largest women's university in India to run the program.

What unique role does New Energy Nexus play in this space?

Brenda: Organizations in suburban to rural areas have told us that getting training in solar will significantly benefit their communities, given that these locations are also hotspots for solar farms and utility scale renewable energy projects. Most of the time, project developers and operators would have to import talent because of the lack of local skilled workers. Reaching non-urban areas allows us to increase the rate of distributed PV adoption, and also provide jobs and economic opportunities.

Jui: In India, our unique role as ecosystem builders is what sets us apart. We focus on supporting youth and women. In India, the workforce participation for

women is only about 20%. We need more women to build skills and enter the emerging cleantech space. That's why we have the Women In Energy Entrepreneurship initiative to support women and students. We are also building the Startup Earth Centre to build an open-source knowledge base and a jobs board.

What are you most excited about for 2023?

Brenda: I think it's really exciting to see how the intersections of digital education and the hands-on support we provide to entrepreneurs through our traditional programs is helping to scale the energy transition. We are excited to see more students complete the courses on our platforms and see them transition to our high-touch entrepreneur support programs.

We are also looking forward to onboarding more strategic partners, as well as providing national certifications and job placement opportunities. We intend to learn more from student's insights and feedback and launch additional courses and learning pathways.

Jui: We're excited to grow our learning platform 'Startup Earth Centre'. I want to see climate tech knowledge and business model learnings be open source and accessible to all students. We are looking forward to expanding our climate certificate program, beyond women and across South Asia. We are also expanding our Climate Jobs Board to bridge the gap between youth who are interested in kickstarting their green careers and cleantech startups looking to find and hire more talent.

WHAT WE DO



The clean energy transition will create 14 million new jobs under current Net Zero 2050 pledges, and an additional 16 million workers will be required to shift to work in the clean energy sector. These workers will require additional skills and training.

The long term success of the clean energy transition requires investments in green skills and training, not just in economies where the transition is already well underway, but in emerging and growing markets in Asia and Africa where energy demand will rapidly increase. Investing in these skills will help stimulate economic growth while reducing greenhouse gas emissions and limiting the impacts of climate change.

Our Digital Education program addresses a critical gap in the clean energy transition. For many emerging markets there are few regulated clean energy training standards—

if any at all—and if available, they are mainly concentrated in urban areas. This excludes large portions of the population that could benefit from the clean energy transition. In addition, only 32% of workers in the renewable energy sector are women, and only 11% of energy founders are women, which points to the inequities in the sector that our programs are aiming to address.

We currently run three digital education programs that are being piloted in India, Philippines, Indonesia and beyond. These programs are created based on the feedback and experience we've gained from running accelerators and building innovation ecosystems—a bottom-up, grassroots approach that meets the needs of local entrepreneurs and workers.



WHAT WE DO



1. New Energy Academy

The New Energy Academy is an online-offline platform that aims to accelerate the training and certification of solar professionals and entrepreneurs. The online platform hosts 38 modules that span from solar technical fundamentals, to solar business models, and provides an overview of tools and resources for solar professionals and entrepreneurs. Theoretical learning takes place online, and a hands-on-practical element is implemented through a local training partner situated in various parts of the country.

Currently in pilot phase, our aim is for New Energy Academy to be available so that anyone, anywhere in the world can start learning then start earning, either as a professional or an entrepreneur in the solar industry. Another element we intend to build into the program is job placement and business opportunities, where solar companies we partner with can hire students that graduate from New Energy Academy.

WHAT WE DO



2. Online Startup School (OSS)

OSS is a free online platform for aspiring clean energy entrepreneurs. It provides a comprehensive introduction to the world of clean energy startups in 15 courses. Each course, which can be completed in as little as four hours, offers a deep-dive into various business models within the industry, with a focus on real-world examples and case studies. Each course helps participants to create their own business canvas model and validate their assumptions through a process of listing, ranking, and validating their assumptions.

Currently in a pilot phase, this course has been designed based on our deep experience running incubation and accelerator programs around the world. OSS is similar to an offline ideation workshop where content is modular and helps the learner develop an idea through a multitude of examples from real-world energy business models. The vision is that eventually OSS will become a source of potential entrepreneurs that could apply for our incubation and acceleration programs.

WHAT WE DO



3. Women in Energy Entrepreneurship (WEE)

WEE is a program by New Energy Nexus India in partnership with Climate Collective Foundation to support early-stage women entrepreneurs in India in clean energy and energy access. The program has supported 64 women and 22 women-led startups from 2021 to 2023 (two of these programs are still ongoing and will end in May 2023).

The program supports female students enrolled in colleges, recent college graduates, and early-stage women-led startups. Students gain subject-matter knowledge through interactive workshops, case studies, and collaborative assignments; simulate different startups business models; and receive support ideating and refining their business ideas.

We see education programs as a way to catalyze change and have more women in leadership roles in clean energy startups.

The program aims to build a more gender-diverse ecosystem in order to increase the number of women entrepreneurs in clean energy.



WHO WE ARE



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Thank you to our partners

New Energy Academy

GSES

OpenSolar

CREST

Sunstruck

Greenergy

Xavier University

BayWa

Women in Energy Entrepreneurship (WEE)
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partnership with Climate Collective Foundation

Mody University

School of Business, (also a part of Mody University)

Thank you to our donors

New Energy Academy

Cisco Foundation

Online Startup School

Ikea Foundation

Women in Energy Entrepreneurship

Good Energies Foundation