



STARTUP SPACE.

@ THE ASIA CLEAN ENERGY FORUM

DEEP DIVE WORKSHOP:

FROM STARTUP TO SCALEUP

5 June 2018, 9 a.m.-5:30 p.m. Multifunction Hall 3

















Daniel Hersson Team Leader, Cleantech VC/PE Project



































Danny Kennedy Managing Director



































OBJECTIVE

Network & Community Building

International Cross Learning & Best Practice Sharing

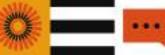
Catalyzing Collaborative Projects































GROUND RULES

Participate!

Listen to understand different perspectives

Contribute your ideas and experience

Minimize phones and laptops

Be on time!





AGENDA (morning)

9:00 – 9:15am Opening remarks

9:15 – 9:20am Agenda Overview

9:20 - 9:45am | Icebreaker and introduction

9:45 - 10:45am Group discussion: Acquiring and managing customers

10:45 - 11:15am Coffee break

11:15 – 12:15pm Group discussion: Access to talent

12:15 - 12:30pm Wrap up: Taking it forward

12:30 – 2:00pm Lunch



AGENDA (afternoon)

2:00 - 2:05pm Welcome remarks & Scene-setting

2:05 – 2:15pm Scene-setting: Why collaborate?

2:15 - 3:00pm Panel: Experiences with corporate-startup collaborations

3:00 – 3:30pm Coffee break

3:30 - 3:50pm Presentation: Connecting startups and corporations

3:50 - 5:00pm Breakout session: Corporate-startup collaboration in Asia

5:00 – 5:25pm Wrap up

5:25 – 5:30pm Closing remarks

INTRODUCTION

Who are you?

Where are you from?

One-liner of what your company does?

































MINGLE MINGLE

What inspired you to build your startup?

What would you be doing if it wasn't this?



GROUP DISCUSSION: ACCESS TO CUSTOMERS

What are your biggest challenges with acquiring new customers?

Best tips in finding, acquiring and managing customers? Any examples?





GROUP DISCUSSION: ACCESS TO TALENT

What are the biggest challenges in

recruiting and retaining top talent for your startup?

































GROUP DISCUSSION: ACCESS TO TALENT

Best tips, methodology and experiences for creating your top team

































WRAP UP

Share your insights on the morning session with us!

Fill out the survey

Be here at 1:50pm for the afternoon session

































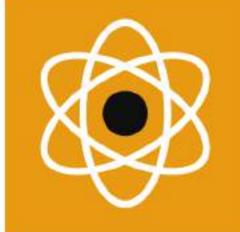














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ADB CLEANTECH SUPPORT IN ASIA



support cleantech accelerators



2

support cleantech investors



3

support networking & collaboration



WHY WE NEED COLLABORATION



BIG DISRUPTIONS, BIG CHANGE

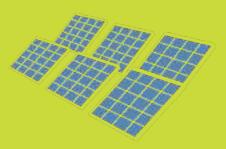


BATTERY

(Li-on, cell)

1/6

vs 10 years ago



COST OF

SOLAR PV

(module)

1/6

vs 10 years ago



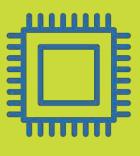
COST OF

MOBILE

(smartphone)

1/20

vs 10 years ago



COST OF

COMPUTING

(processing)

1/60

vs 10 years ago



COST OF

SENSORS

(3D Lidar)

1/300

vs 10 years ago

Unprecedented opportunity for new products, services and business models in the energy sector



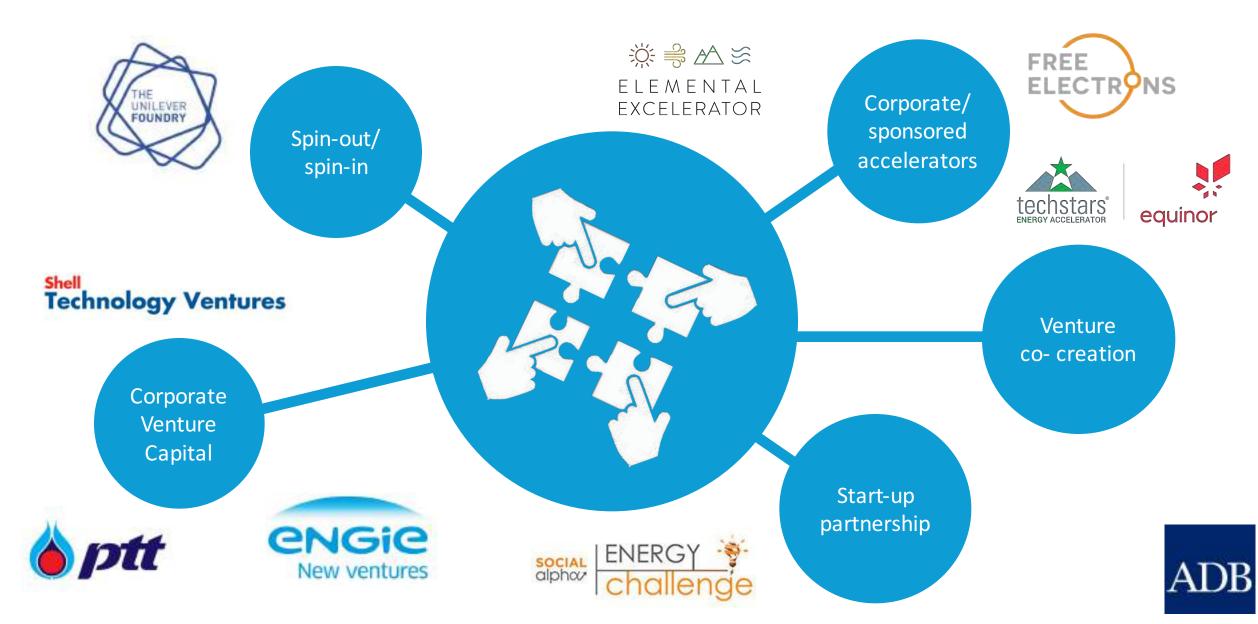
OPPORTUNITY FOR NEW COLLABORATIONS



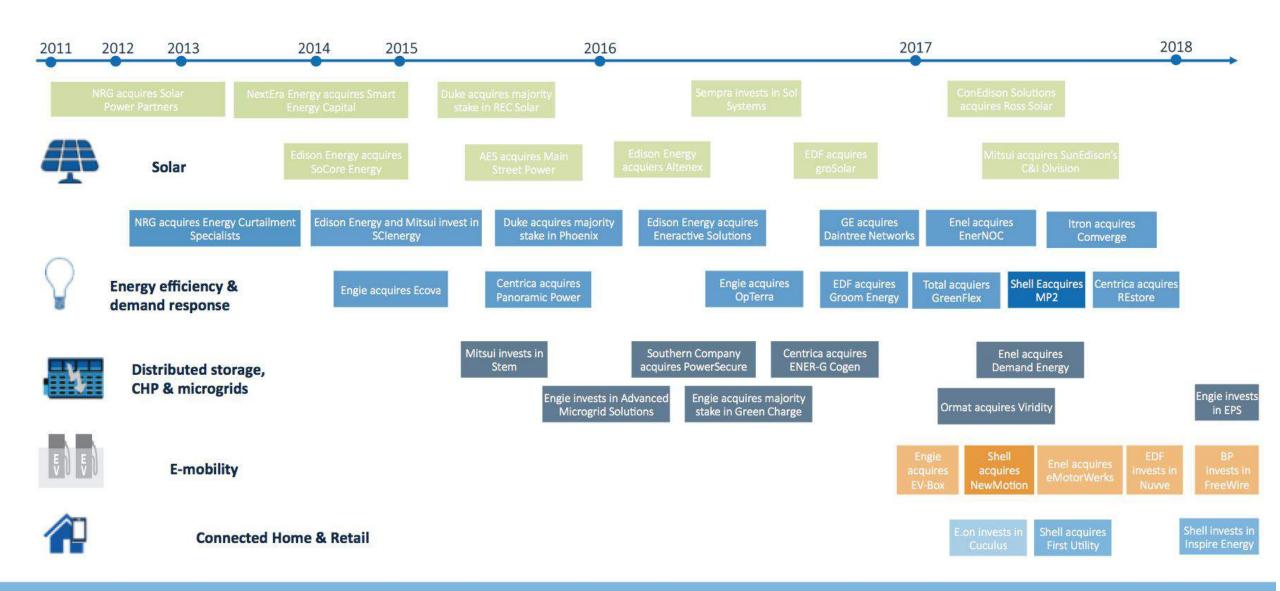
Distribution
Suppliers
Credibility
Funding



OPPORTUNITY FOR NEW COLLABORATIONS



RAPIDLY GROWING CORPORATE INTEREST





WHAT ARE THE OPPORTUNITIES AND CHALLENGES FOR STARTUP-CORPORATE COLLABORATION IN THE ENERGY SECTOR IN ASIA?

THANK YOU





Danny Kennedy Managing Director





















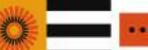
















The Future of Energy and Clean Energy Innovation in California

Presented by: Danny Kennedy, Managing Director of CalCEF

Entrepreneurship is the engine



100%+ clean energy economy for the 100%

Drive innovation Support
Entrepreneurs
in the clean
energy economy

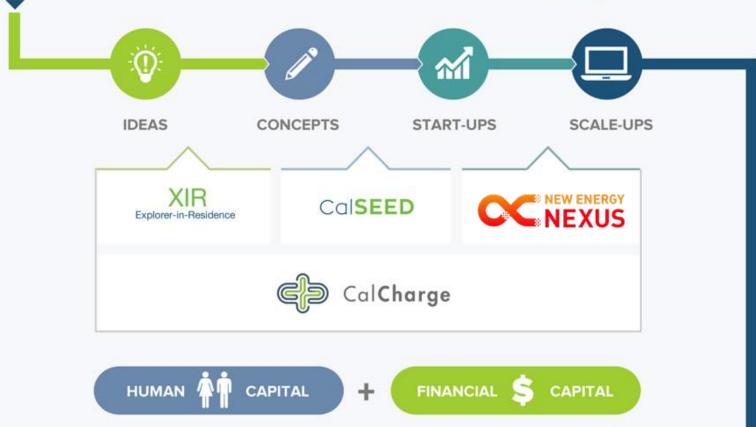
Build equitable outcomes



ENTREPRENEURS:

the engine of growth for the energy transition.





100%+ CLEAN ENERGY ECONOMY FOR THE 100%

CalSEED

Investing in California Energy Entrepreneurs

\$24MM to ~100 entrepreneurs over 5 years



Quite the variety!

electricity batteries





The center of gravity for the California Energy Storage Cluster

Accelerating the development of new storage technologies



Making batteries is a big business and becoming even bigger

Co-locate manufacturing with IP centers and demand

\$20B



\$450B+

Industry today

industry by 2030















PARTNER MEMBERS



OF GRAVITY

CALIFORNIA
ENERGY
STORAGE

CHARTER MEMBERS









GENERAL MEMBERS





































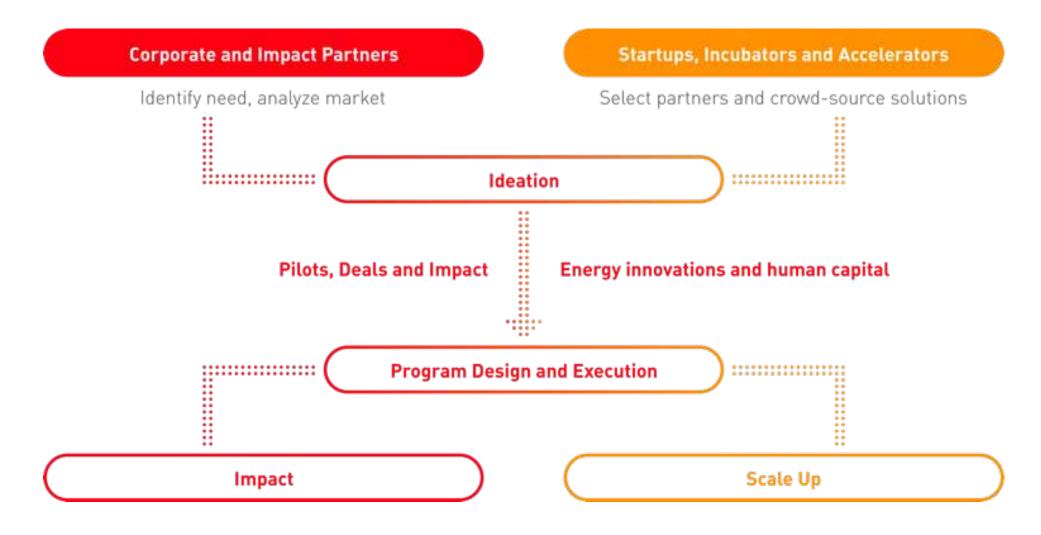


Supporting and investing in

the world's clean energy incubators and accelerators.

PIPELINE DEVELOPMENT

KNOWLEDGE SHARING PLATFORM







100,000 successful companies in 25 years through this network!

(Energy)^{Lab}





PANEL DISCUSSION: CORPORATE AND STARTUP COLLABORATION

Christopher Comte

Senior Vice President
Business Development,
Head of Renewables
FNGIF Indonesia

Gavin Barfield

Chief Technology Advisor MERALCO (Philippines)

Charlotte Wang

CEO/Founder
Equota Energy
(People's Republic of China)

Matt Basinger

CTO/Founder
Electric Vine Industries
(Indonesia)

QUESTIONS

Why do you work with startups/entrepreneurs? What's the value and benefits? What's the opportunity?

Why do you work with corporates? What's the value and benefits? What's the opportunity?



QUESTIONS

What are the practical challenges of working with startups?

What are the practical challenges of working with corporates?

































PRESENTATION

Yi Liu **Deputy Director Energy Internet Research Institute Tsinghua University** (People's Republic of China)



































Collaborating with corporates: practical learnings

Energy Internet Research Institute Tsinghua University

Who Are We



Gathering Talents

Incubating Start-ups

Developing New Technologies

Areas of Interest

1. Energy Sensing and Chips

- Energy Charge Chip
- Wireless Charging Chip
- Energy sensing chip
- Power electronics

Area of Interest

2. Energy Equipment and safety

- Clean Energy Development and system safety
- Direct Current Grid Equipment
- Gas pipe line examination robot

3. Storage and Hydrogen Power

- Distributed Lithium Battery Storage Equipment and Application
- Compressed-air Power Storage
- Fuel Cell
- Electric Vehicle

4. Energy Management and Trade

- Energy Internet of things
- Smart Energy Building
- Energy Trade Platform

Platform for collaboration









Annual Clean
Energy Technology
Matchmaking

172 Requirements from Corporates88 New TechnologiesAnnounced

Annual China-US '2+2'Clean Energy Forum

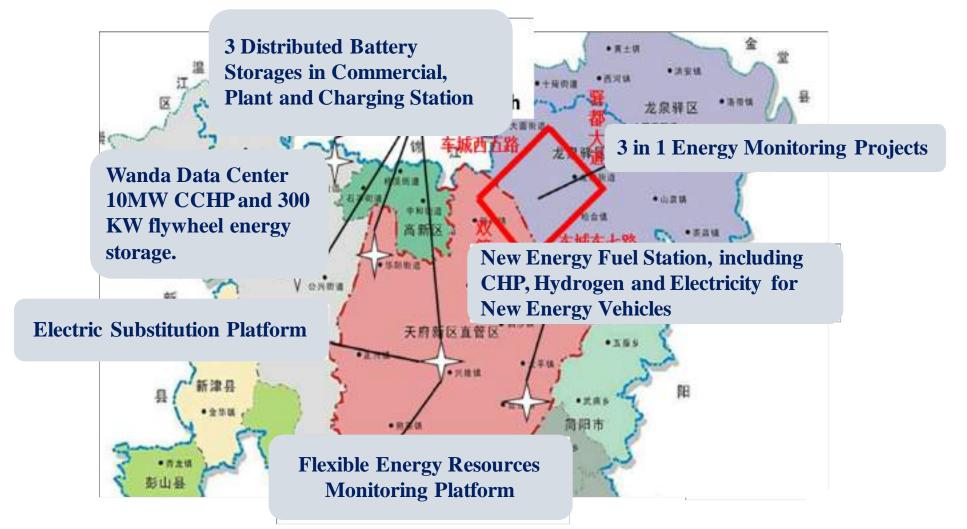
Collaboration among 4 parties, Tsinghua Universities, UW, Sichuan Province and State of Washington. Annual China-US
Green Energy
Summit

More than 300 Clean Energy Industry Leaders Attended, including 2 Nobel prize winners and 5 academicians Clean Energy Alliance

More than 100 members, closely working with its counterpart domestic and abroad.

Tianfu New Area Energy Internet Pilot Project

Flexible Energy Resources Monitoring and Management









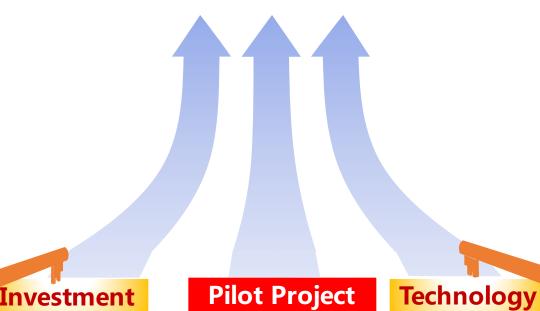
Working with 2 of the Most Important State Owned Corporations, 4 Incubatees Participate in the Project

Incubation and Products

2 National Pilot

Flexible Energy Resource Platform

Unicorns on the way



14 VCs, Over **200** Million Investment, and Over 2 Billion

Projects 4 Incubatees Valuation **Participating** Over 60 PCTS

Applications

1 Platform





The first wireless charging phone in China

Center for Wireless Charging and Electromagnetic Compatibility



EC4106

Dr. Fan Jun
IEEE Fellow
Professor of Missouri University of
Science and Technology
Director of Key Electromagnetic
Compatibility Laboratory
Chairman of the Technical Committee
of IEEE Electromagnetic
Compatibility Association



Dr. Pan Siming
Researcher listed in the Thousand
Talents Plan
President of IEEE Power and Electronics,
EMC Branch.
iPhone system architect of Apple Inc.
Scientist of Cisco Innovative Technology
R & D Center



EC4106 +BLE Chip (Optional)
Output power 10w, compatible with 5V/2A charger
MCU core, compatible with data expansion
Compatible with intelligent inspection and switch between wired and wireless charging

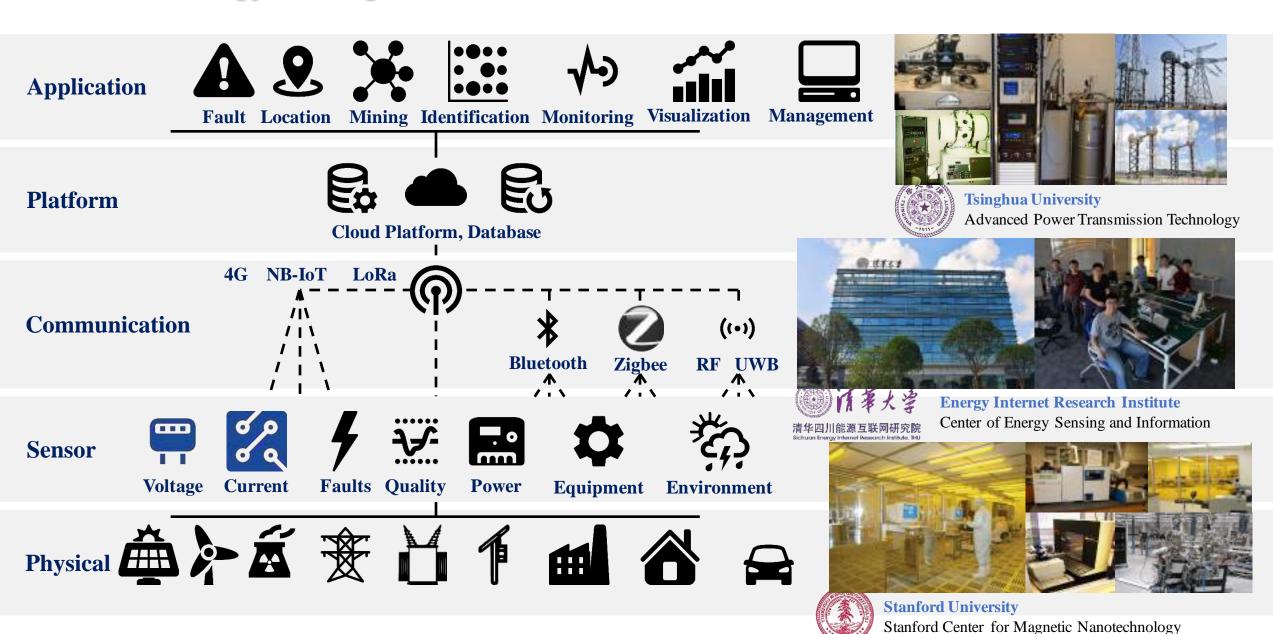
Compatible with three modes: WPC, Airfuel&E-Go



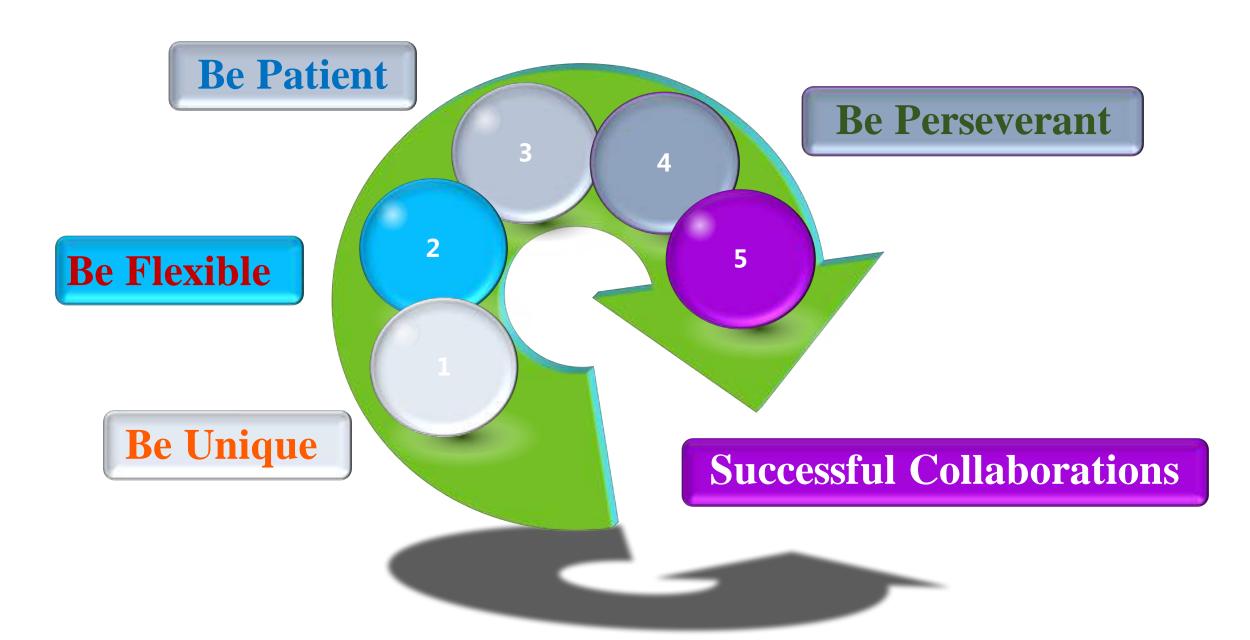
EC 4108

Compatible with three modes: WPC, Airfuel&E-Go
EC4108 +BLE Chip (Optional)
Output power 16w, compatible with fast charging
Budget data design optimization
Compatible with hardware encryption and data expansion

Center for Energy Sensing and Information



Keys of successful collaboration





PRESENTATION

Hendrik Tiesinga
Cofounder/Program Manager
New Energy Nexus
(United States)

























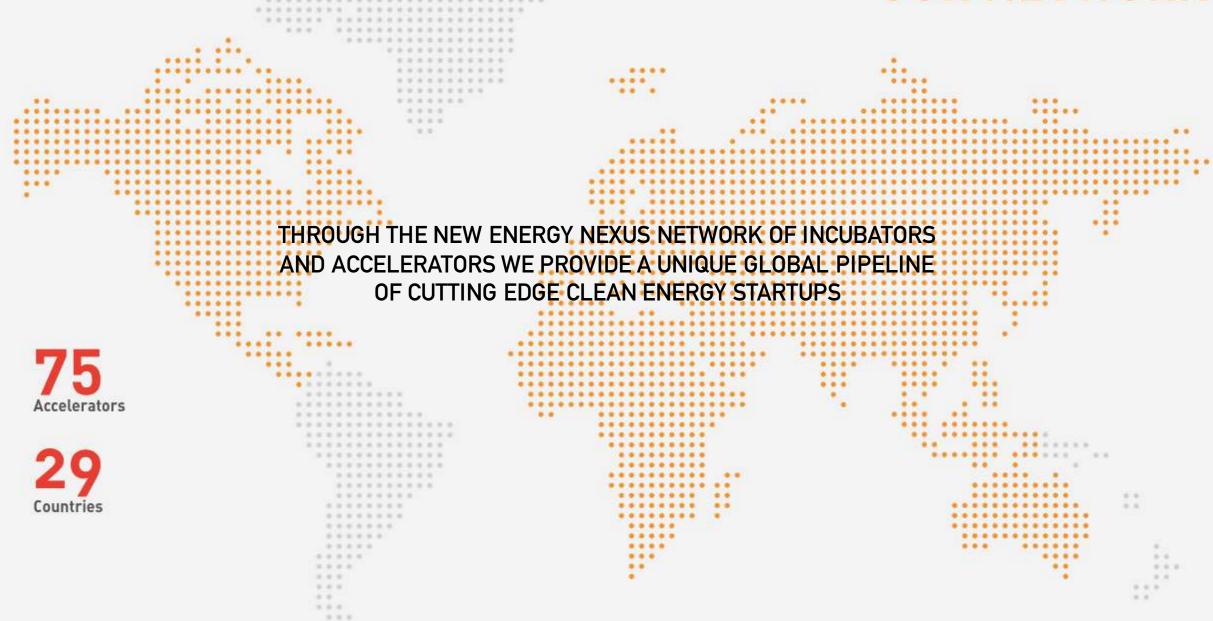






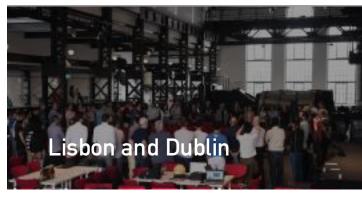


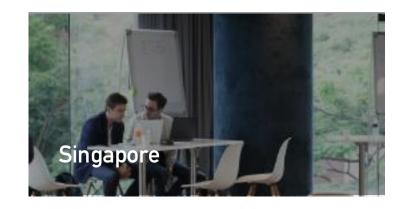
OUR NETWORK



PREVIOUS PROGRAM REVIEW







453 applications from **52** countries

46 commercial opportunities

17 signed agreements valued at \$1.7m

(potential to reach \$12.1m in 12 months)



FREE 2017

FINDING THE PERFECT MATCH



01

Identify Needs

Work with our team to determine your organization's innovation and technology needs and goals.



06

Deal Signed

Getting deals done is the goal. Our program approach is an effective and efficient way of enabling deals to happen.



02

Join the Program

Join other energy companies and utilities whom share the same goals which gives you the rare opportunity to collaborate.



05

Program Execution

3 highly engaging match and deal making workshops, beginning and starting in Silicon Valley.



03

Call for Applications

New Energy Nexus recruits startups to apply during 2-month outreach from their existing global network of 100+ accelerators and pipeline partners and over 500 startups.

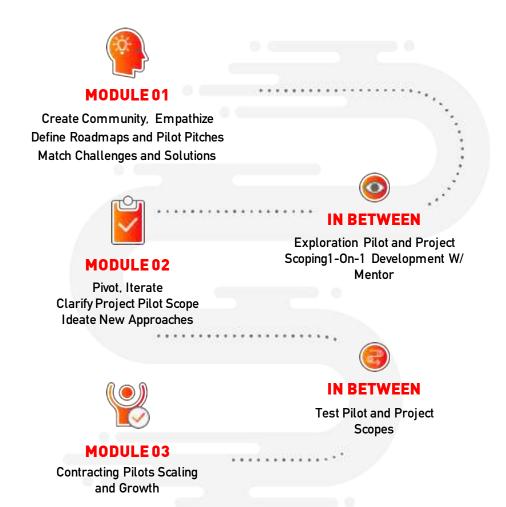


04

Due Diligence and Selection

Expected 200+ applicants, 1—20 startups will be selected by the participating companies following a comprehensive due diligence process.

PROGRAM JOURNEY



We're replacing hundreds of hours of duplicative work with one streamlined program. We expected to prove the value of the program with dealflow, but the peer-to-peer learning and co-investing really came out as just as important to our utility partners. Most importantly, we are excited about taking the most successful corporate-startup program in the world and opening it up to others.

Hendrik Tiesinga
Co-Founder
New Energy Nexus

TECHNOLOGY CATEGORIES











Smart Grid

Energy Efficiency

Energy Management

Customer Experience











E-Mobility

Business Model Innovation

IOT and Digitization

Energy Access

Block Chain

HOW WE CAN HELP



Peer Learning

Learn energy innovation from leading VC and innovation peers from around the world. Peer learning stood out as one of the key advantages in our previous programs.



Technology Trends

Immerse in new technology trends through close collaboration with startups and other energy companies.



Sector-Diversity

A non-exclusive approach to signing deals and commercial agreements. For example, in our previous program one utility signed deals with multiple startups. This approach allows more deal flow to happen effectively allowing you to get more 'bang for your buck.'



Deal Flow

Recruit startups from various sectors including: clean energy generation, smart grid, energy efficiency and management, IoT and digitization, energy access and e-mobility. Corporate participants can provide preferences for sub sectors ahead of the start of the program.



BREAKOUT SESSION:

How can we grow corporate-startup collaboration in Asia?

What are the barriers for corporates and startups in Asia to work together?

How do we address these issues?

What is the role of other stakeholders?



WRAP UP

Challenges?

Support?

Corporates to work with

What you can do next?









































