









DEEP DIVE SESSIONS



















RENEWABLE ENERGY CONGRESS 2021

Theme: "REfocus in 2022 and Beyond: Meeting RE targets for Sustainable Recovery and Development"

The crisis brought on by the global pandemic and the opportunities for recovery and transformational change under a new administration are compelling reasons for various stakeholders to come together and build an altruistic agenda for the common good. The Renewable Energy Congress 2021 will be an important event to engage in a national discussion addressing energy access, affordability, and efficiency through the application or use of renewable energy, as part of the national economic recovery, job creation, and decarbonization efforts.

RE CONGRESS PROPER - SEPTEMBER 25, 2021 (9AM-12NN)

This half-day virtual plenary session shall tackle this big issue/dilemma – How to realize 35% RE share in the energy mix of the Philippines and, if possible, further increase it? As a scene-setter, the key points or recommendations from the deep dive sessions shall be presented before the high-level panel discussion. Another highlight of this event is the presentation of the Manifesto for RE and Just Transition Agenda. (video)

DEEP DIVE SESSIONS: SEPTEMBER 17 and 18

Discussions in these sessions are envisioned to be on the practical level. Concrete solutions or steps to make RE a reality and addressing these concerns will be tackled – energy access, energy efficiency, support for jobs/livelihoods, and/or delivery of services. The process, including the challenges and learnings, will be discussed especially as regards to technical, financial, policy, and people's participation to realize RE in various settings or conditions. The summaries for these sessions will be shared with session participants and RE Congress panel speakers a few days before the RE Congress. (video)

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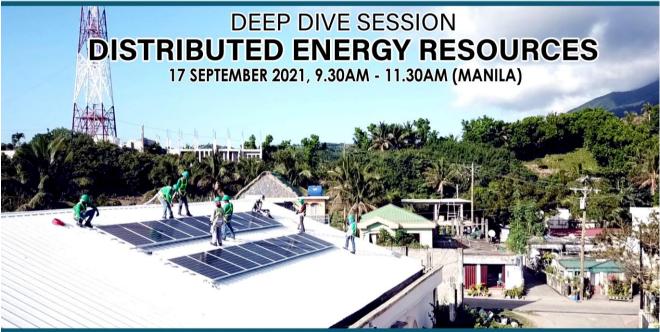
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MEDIA PARTNERS:







Distributed Energy Resources Deep Dive Session



Topic: "Technology to Transform the Electricity Industry Structure into DER" MR. BACHU BELUN Can Founder and Chief Products Officer (Inpluser Energy, US



Topic: "Making DER Financing Aftractive to Investors" MB. KARTIKEVA SINGE Sensor Project Development Manager (Ania Pocific) Jerko Power Technology Co., Ltd. Claims



Topic: "Enabling Policies to

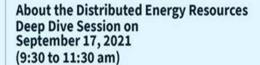
Developers' Perspective"

Promote DER in the Philippines:

ATTY, JOSE LAYUG JR.
President
Developers of Renewable Energy
for AdvanceMent, Inc. (DREAM)
Sensor Partner, Pono and Pono Law



Topic: "Transforming Distribution Utilities Under a DER System" MR. RENE M. FAJILAGUTAN General Manager Rombion Clectric Cooperative



The session is hosted by WeGen Philippines to tackle Distributed Energy Resources.

The presentations will focus on the following areas: the Technology needed to accelerate DER deployment, how to attract DER Financing from the financial market, and what are the enabling policies as seen from the eyes of renewable energy developers and customers.

A case study will be presented on how a distribution utility has transformed its business model so that it could integrate DER into its area of operations and benefit from its growth.

To register for RE Congress and deep dive sessions, Click here recongress2021.thecentre.ph

For more details:

Email: gina.virtusio@wegen-energy.com Call or message (Viber, WhatsApp): 0920.9385120



Moderator: MR. BEN KRITZ Columnist The Manila Times







Media Partners







RATIONALE

Distributed Energy Resources (DER) refers to renewable energy units or systems that are commonly located at houses or businesses to provide them with power. Another name for DER is "behind the meter" because the electricity is generated or managed 'behind' the electricity meter in the home or business.

DER is a faster, less expensive option to the construction of large, central power plants and high-voltage transmission lines. It provides the consumer with greater reliability, adequate power quality, and the possibility to participate in competitive electric power markets. DER also has the potential to mitigate overloaded transmission lines, control price fluctuations, strengthen energy security, and provide greater stability to the electricity grid.

As a company dedicated to the promotion of DER through roof-mounted solar PV systems, WeGen Philippines is taking the lead to organize the deep dive session on Distributed Energy Resources as a preparatory event of the Renewable Energy (RE) Congress and Exhibit 2021.

OBJECTIVE AND DESIGN

The objective of the deep-dive session is to answer a basic question: What does it take to accelerate the adoption of DER in the Philippines?

The presentations will focus on the following areas: the Technology needed to accelerate DER deployment how to attract DER Financing from the financial market, and what are the enabling policies as seen from the eyes of renewable energy developers and customers.

A case study will also be presented on how a distribution utility has transformed its business model so that it could integrate DER into its area of operations and benefit from its growth.

PROGRAMME

9:30		PLAY Intro Video (2mins)
9:32	OPENING MESSAGE	Mr. Charlie Ayco President, WeGen Laudato Si' Inc
9:35	"Technology to Transform the Electricity Industry Structure into DER"	MR. RAGHU BELUR Co-Founder and Chief Products Officer Enphase Energy, USA
10:00	REACTION AND QUESTIONS	Mr.Ben Kritz with Mr. Raghu Belur
10:05	"Making DER Financing Attractive to Investors"	MR. KARTIKEYA SINGH Senior Project Development Manager (Asia Pacific) Jinko Power Technology Co., Ltd., China
10:30	REACTION AND QUESTIONS	Mr. Ben Kritz with Mr. Kartikehya Singh
10:35	"Enabling Policies to Promote DER in the Philippines: Developers' Perspective"	ATTY. JOSE LAYUG, JR. President Developers of Renewable Energy for AdvanceMent, Inc. (DREAM) Senior Partner, Puno and Puno Law
11:00	REACTION AND QUESTIONS	Mr. Ben Kritz with Atty. Jose Layug, Jr.
11:05	"Transforming Distribution Utilities Under a DER System"	MR. RENE M. FAJILAGUTAN General Manager Romblon Electric Cooperative
11:30	REACTION AND QUESTIONS	Mr. Ben Kritz with Engr. Rene Fajilagutan
	CLOSING	

"Technology to Transform the Electricity Industry Structure into DER"

This session will look at the latest advances in microinverter and storage technology which could be used to deploy at scale Distributed Energy Resources for residential and commercial applications and which can be easily adopted by the consumers. We will also look at how this technology would disrupt or integrate with the current grid structure of the energy industry.



MR. RAGHU BELUROCo-Founder and Chief Products Officer Enphase Energy, USA

Raghu Beluro co-founded Enphase Energy with Martin Fornage in 2006. He has more than 25 years of experience in the clean energy and high technology industries, and has been at the forefront of developing Enphase's leading integrated energy system—with solar generation, storage, monitoring, and control. Prior to Enphase, Raghu developed high-speed optical communication technology for Cerent, which was later acquired by Cisco Systems. Before Cerent, Raghu was an engineer at the Indian Institute of Science, where he played a key role in the development of an alternative energy gasification system.

Raghu has an MSEE from Texas A&M A&M University and an MBA from the Haas School of Business at U.C. Berkeley.

"Making DER Financing Attractive to Investors"

This session will focus on how to attract DER Financing from the financial market and global companies. For the most part, renewable energy financing tends to support large utility-scale projects. However, DER projects tend to be small and scattered. What would attract investors and financiers to support DER projects? Is there a need to consolidate DER installations so that they could attain a certain scale which would be attractive to investors?



MR. KARTIKEYA SINGH
Senior Project Development Manager (Asia Pacific)
Jinko Power Technology Co., Ltd.
China

Mr. Singh is experienced in debt and equity capital raising for infrastructure projects and project finance. He is a graduate of the Indian School of Business with a degree of Master of Business Administration (M.B.A.), Business Administration and Management. He also holds a Civil Engineering Degree from the Indian Institute of Technology, Roorkee.

Founded in 2011, Jinko Power is a well-known global IPP that develops, builds, finances, owns and operates solar power plants. It strives to make solar the most sustainable and competitive source of energy worldwide. As of December, 2018, the Company has owned and connected about 3.09 GW of solar projects. It also manages a large international portfolio of assets and developing a global pipeline of more than 7,000 MW of projects in key markets including China, the Middle East, Europe, Latin America, and Asia Pacific.

"Enabling Policies to Promote DER in the Philippines: Developers' Perspective"

This session will look at the issue of policy from the perspective of renewable energy developers and the customers of renewable energy including the small rooftop installations. What constraints are they facing? What policies should be in place so that DER could be implemented quickly and at scale in the country? What kind of support should be extended to the developers and the customers?



ATTY. JOSE LAYUG, JR.

President

Developers of Renewable Energy for AdvanceMent, Inc. (DREAM)

Senior Partner, Puno and Puno Law

Atty. Jay Layug, Jr. is a former Undersecretary of the Department of Energy and Chairman of the National Renewable Energy Board from 2017 – 2019. He is an advocate of renewable energy and currently the President of DREAM where he was quoted as saying: "We at DREAM advocate the use of Renewable Energy in the Philippines as a default policy. No ifs, no buts, no hesitation. We do it now." He is also currently the Dean of the University of Makati School of Law and a Professorial Lecturer of the University of the Philippines College of Law.

He finished his Bachelor of Laws at the University of the Philippines College of Law in 1996 and Master of Laws at Cornell University, USA in 2001.

"Transforming Distribution Utilities Under a DER System"

Very often, local distribution utilities would look at DER as a threat to their business. This session will look at the case of Romblon Electric Cooperative which has installed a 200 kWp solar PV system in four barangays which serves as their test-bed for the bigger distributed solar power plant. The speaker will share the experience of ROMELCO and lessons learned on what things are needed for them and other electric cooperatives to fully benefit from DER



ENGR. RENE M. FAJILAGUTANGeneral Manager
Romblon Electric Cooperative

Engr. Rene Fajilagutan has led ROMELCO to become a trendsetter and the most innovative among the electric cooperatives in the Philippines particularly in the adoption of renewable energy. He is also the President of the Association of Isolated Electric Cooperatives Inc. (AIEC). During his presentation at the Asian Development Bank's Asia Clean Energy Forum (ACEF) last Thursday, 18 June 2020, he displayed the ingenuity and innovativeness of the rural electrification sector, specifically, the off-grid electric cooperatives, by mitigating the unprecedented disruption of the supply chain in the power industry brought about by the global pandemic.

Q&A Session



MR. BEN KRITZ

The Manila Times

Moderator:

Ben describes himself in his FB page as off-and-on columnist, economic analyst, consultant, erstwhile editor and teacher, social development and environmental advocate, champion of reason and common sense, accidental fashionista, novice photographer, expert driver, talented carpenter, skilled mechanic, crappy golfer, brutal fixer, firestarter, lightning rod, and choke point. He regularly writes thought-provoking articles on renewable energy and the electricity industry. Before his second career in journalism, Ben was with BMW (N. America & AG) for 17 years, primarily in logistics and aftersales operations. Besides the environmental issues, which are dear to him, he fully understands just-in-time systems which could be applied to distributed energy resources.

This makes Ben the best fit to moderate this session where we need to challenge conventional thinking on the structure of the electricity industry.



For inquiries, email: re.congress.exhibit@thecentre.ph
or through WeGen Philippines: qina.virtusio@wegen-energy.com







PRACTICAL APPLICATIONS OF RENEWABLE ENERGY FOR COMMUNITIES



SEPTEMBER 17, 2021, 3.30-5.30PM (MANILA TIME)











DEEP DIVE SESSION PRACTICAL APPLICATION OF RENEWABLE ENERGY FOR COMMUNITIES



RE APPLICATIONS
ON IRRIGATION
& AGRI-DEVELOPMENT

Ms. LILIAN NARIDA Vice-President One Renewable Energy Ent., Inc.



RE APPLICATIONS
IN HUMANITARIAN,
DISASTER RISK REDUCTION
& POST-DISASTER RESPONSE

Mr. ARTURO TAHUP
Associate for Community Resilience
Institute for Climate and
Sustainable Cities



RE FOR HOUSEHOLDS & YOUTH PERSPECTIVE ON ENERGY TRANSITION

Mr. JOHN MARK NAPAO President and Founder Solar Hope

17 SEPTEMBER 2021 3:30 - 5:30 PM

One would think that our communities should be enjoying inexpensive and clean energy for their productive activities and social services, especially those areas that are energy-poor, historically.

After more than a decade of the Renewable Energy Law, mature RE technologies and its lower prices, and the climate imperative to shift away from fossil fuels, the time has come for to make renewable energy applications in community enterprises and social services the norm, rather than the exception.

This session will share the experiences and lessons in the application on renewable energy technologies for production activities and social services. We shall address these critical questions:

-How do we go beyond the "proof of concept" for RE applications?

-What are the good practices in the application of RE for community enterprises and services?

-What are obstacles to getting more RE into practical use?











INTRODUCTION

One would think that our communities should be enjoying inexpensive and clean energy for their productive activities and social services, especially those areas that are energy-poor, historically. After more than a decade since the enactment of the Renewable Energy Law, we see now mature RE technologies and their prices getting lower. Also, there is a climate imperative to shift away from fossil fuels. The time has come for us to make renewable energy applications in community enterprises and social services the norm, rather than the exception.

AIMS

This session will be a sharing of experiences and lessons in the application of renewable energy technologies for production activities and social services. It shall address these critical questions:

- o How do we go beyond the "proof of concept" for renewable energy applications?
- o What are good practices in the application of RE for community enterprises and services?
- o What are obstacles to getting more RE into practical use?

Above questions shall be tackled by the speakers in their presentations, followed by Q & A.

PROGRAMME

Host and Moderator: Mr. Sixto Donato Macasaet Executive Director, Foundation for Sustainable Society, Inc.

Time	Agenda	Lead/Speaker
3:30- 3:40	Introduction	Mr. Francis dela Cruz Advocacy Partnership Advisor Insittute for Climate and Sustainable Cites
3:40-4:00	RE applications in Irrigation and Agri-development	Ms. Lilian Narida vice president for finance One Renewable Energy Enterprise, Inc.
4:00-4:15	Q and A	
4:15-4:35	A Spark of Renewable Energy can create a burst of Benefits for the Community	Arturo Tahup Associate for Community Resilience Institute for Climate and Sustainable Cities
4:35-4:50	Q and A	
4:50-5:10	RE for households and youth perspective on energy transition	Engr. John Mark Napao President and Founder Solar Hope
5:10-5:25	Q and A	
5:25-5:30	Photo documentation	CENTRE tech team
5:30	Closing	Moderator: Mr. Sixto Donato Macasaet

"RE applications in Irrigation and Agri-development"



MS. LILIAN NARIDAVice president for finance
One Renewable Energy Enterprises, Inc.

Lilian is a Certified Public Accountant, and has over 28 years of experience in financial and management accounting, financial planning and budget and financial audit work.

"A Spark of Renewable Energy can create a burst of Benefits for the Community"

MR. ARTURO "URO" TAHUP

Associate for Community Resilience Institute for Climate and Sustainable Citites

Mr. Arturo "Uro" Tahup, a veteran DRR practitioner, humanitarian worker, and community organizer, worked as project coordinator and humanitarian assistance project officer of international organizations involved in the Typhoon Haiyan response in Samar. He now leads RE-Charge Pilipinas Team of the Institute for Climate and Sustainable Cities (ICSC) in deeply setting its programs and projects on low carbon resilience and energy democracy in survivor communities, and in broadening its network of allies and partners in local governments, civil society and people's organizations, and electric cooperatives in Eastern Visayas.



RE for households and youth perspective on energy transition



ENGR. JOHN MARK NAPAOPresident
Solar Hope

John Mark is president and founder of Solar Hope, an NGO that aims to provide solar and sustainable solutions to marginalized communities in the Philippines. He is also currently working as an engineer at the National Grid Corporation of the Philippines as his day job to support his daily living and the NGO. John Mark has been involved in NGO work for more than 8 years and has developed expertise in the fields of rural electrification, renewable energy and community development. He is a Climate Reality Leader pursuing his life mission to give hope and light to the lives and houses of peoples – he is a beacon of hope!

MODERATOR

Mr. SIXTO DONATO MACASAET
Executive Director
Foundation for Sustainable Society, Inc.



For inquiries, please contact Francis dela Cruz francis@icsc.org







DEEP DIVE SESSION RE INNOVATIONS FOR OFFGRID AND ENERGY POOR AREAS

SEPTEMBER 18, 2021, 10AM-12NN (MANILA)











2 21 RE RENEWABLE ENERGY

DEEP DIVE SESSION

RE Innovations for Offgrid and Energy Poor Areas



Topic 1: "Promoting Renewable Energy Access in Housing Systems in Urban Poor Families" MR. WILSON FORTALEZA Fellow Center for Power Issues and



Topic 2: "Delivering RE to Isolated Sitios: Learning from the Field" ENGR. RIEDO PANALIGAN President Center for Renewable Energy and Sustainable Technology (CREST)



Topic 3: "RE for Offgrid community in Mindanao"
DR. NELSON ENANO, JR. Director
Ateneo de Davao UniversityCenter for Renewable Energy and Appropriate Technology (AdDU-CREATE)

18 SEPTEMBER 2021 10:00am-12:00 nn

According to the National Electrification Administration (NEA), there are still more than 2.3 million Filipino households that still do not have access to electricity. These families are spread throughout more than 12,000 rural sitios across the country. But these figures are small if the number of families in underserved areas or those with limited access to electricity due to economic hardships were included.

Deployment of clean and renewable energy that will benefit these families remains slow due to various reasons: lack of financing support, low market intake, logistical challenges, legal concerns, etc.

Promoting sustainable energy access to all Filipinos has been a core work of many including CentRE and its members. This Deep Dive Session aims to showcase the good practices and learnings of CentRE members in deploying renewable energy in off-grid areas and poor communities.







BACKGROUND

According to the National Electrification Administration (NEA), there are still more than 2.3 million Filipino households that are still without access to electricity. These families are spread to more than 12,000 rural sitios across the country. But these figures are small if the numbers of families in underserved areas or those with limited access to electricity due to economic hardships were included.

Deployment of clean and renewable energy that will benefit these families remains slow due to various reasons: lack of financing support, low market intake, logistical challenges, legal concerns, etc. This, despite various initiatives by various stakeholders such as by people's organizations, social enterprises, private sector and by the local government units.

The Center for Empowerment, iNnovation and Training on Renewable Energy (CentRE) and its members

are among the various stakeholders working to realize clean, reliable, affordable and sustainable supply of electricity especially for the marginalized segments of the society. Promoting sustainable energy access to all Filipinos has been a core work of CentRE and its members.

AIMS

This Deep Dive Session aims to showcase the good practices and learnings of CentRE members in deploying renewable energy in off-grid areas and energy poor communities.

PROGRAMME

Host and Moderator: Ms. Ina Silverio

10-10.05	Introduction	Moderator
10:05- 10:25	Promoting Renewable Energy Access in Housing Systems in Urban Poor Families	MR. WILSON FORTALEZA Fellow, Center for Power Issues
		and Initiatives (CPII)
10.25-	Delivering RE to Isolated Sitios: Learning from	ENGR. RIEDO PANALIGAN
10.45	the Field	President, Center for Renewable
		Energy and Sustainable
		Technology (CREST)
10.45-	RE for Offgrid Community in Mindanao	DR. NELSON ENANO, Jr.
11.05		Director, Ateneo de Davao
		University – Center for Renewable
		Energy and Appropriate
		Technologies (AdDU-CREATE)
11.05-11.20	RE for energy poor fisherfolks	Jemar Maldia
		Reboot Philippines
11.20-11.55	Open Forum	Moderator
11.55-12:00	Closing	

Promoting Renewable Energy Access in Housing Systems in Urban Poor Families



MR. WILSON FORTALEZAFellow
Center for Power Issues and Initiatives (CPII)

Wilson is an ardent advocate of renewable energy and energy democracy, being a founding fellow of the Center for Power Issues & Initiatives (CPII). He is also the vice-president of Center for Empowerment Innovation and Training for Renewable Energy (CentRE). He has been a member of the Executive Committee of Partido Manggagawa (PM) since 2007, and acts as the party's spokesperson. Prior to this, he held several other leadership and volunteer positions in different national organizations and coalitions such as the Freedom from Debt Coalition. Wilson was also actively involved in the formation of Church Labor Conference and later, Nagkaisa, the country's broadest labor coalition.

Delivering RE to Isolated Sitios: Learning from the Field

The speaker shall present common models of delivery of renewable energy technologies and services in far-flung sitios and villages, and look into ways of ensuring sustainability of such interventions.



ENGR. RIEDO PANALIGAN

President

Center for Renewable Energy and Sustainable Technology (CREST)

Engr. Riedo "Rei" Panaligan is president of the think-act institution Center for Energy and Sustainable Technology (CREST), and concurrently holds leadership positions in various regional and local climate networks. He is a licensed electronics engineer, and currently taking his Master (MSc) on Business Management, major in Green Energy and Climate Finance, at the Berlin School of Economics and Law.

RE for Offgrid Community in Mindanao



DR. NELSON ENANO, Jr.

Director

Ateneo de Davao University – Center for Renewable Energy and Appropriate Technologies (AdDU-CREATE)

D.Engr. Nelson Enano, Jr. works in the academe and has over 10 years of experience in conducting research in the area of energy engineering and policy. He is director of the Center for Renewable Energy and Appropriate Technologies (CREATE) of the Ateneo de Davao University and also the consortium chair of the Mindanao Renewable Energy R&D Center (MREC). He is also an Associate Member of the National Research

Council of the Philippines (NRCP) under the Engineering and Industrial Research Division.

Dr. Enano obtained his Doctor of Philosophy in renewable energy at University College London and University of New South Wales. His Masters degree in Engineering and Policy Analysis was obtained from Delft University of Technology in the Netherlands. At present, he is also taking his Doctor of Engineering in Energy Systems Engineering at Ateneo de Davao University. He has been affiliated with various energy research institutes abroad such as the International Energy Policy Institute of UCL in London and the Center for Energy and Environmental Markets (CEEM) in Sydney, Australia. In the Philippines, through CREATE at ADDU, Dr. Enano leads research in various energy projects such as in Energy Regulation 1-94, energy resource assessments, meteorological monitoring systems, power system planning for hybrid renewable energy systems, and high renewable energy integration studies.



MODERATOR

INA ALLECO R. SILVERIO
Social Transformation Manager
WeGen Distributed Energy Philippines

For inquiries, please contact

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