

Energy Newsletter



Bimonthly news on GIZ's work on energy and climate protection
A service by GIZ Energy

Dear readers,

A few weeks ago, the last remaining coal power plant in the United Kingdom was permanently shut down, marking the end of over 140 years of coal-based electricity generation in the country. This milestone underscores that the global energy transition is well underway. In fact, 2024 is likely to be the year when global energy-related emissions peak. However, according to the recently released IEA World Energy Outlook 2024, the forecasted decline in emissions falls significantly short of the trajectory needed to meet the Paris Agreement targets. To accelerate the transition, we must critically assess what is working and what isn't.

One clear success story is the rapid growth of solar PV and battery storage. In 2023, new solar installations surged by an impressive 80%, reaching a global capacity of 400 GW. A major factor driving this growth is the sharp decline in battery prices, which fell by 14% last year and are expected to continue falling, making 24-hour solar+storage solutions more feasible. These developments are crucial in capping emissions, with record electric vehicle (EV) sales in China reducing petroleum demand and solar energy finally starting to displace coal in China's power sector.

Despite these advances, decarbonization is proving difficult in hard-to-electrify sectors like heavy

industry and aviation. Technologies such as hydrogen and carbon capture and storage (CCS), which are essential to a Paris Agreement-aligned transition, are facing significant challenges. Many early hydrogen projects have been delayed or encountered cost overruns due to market uncertainties. Without robust carbon pricing or strong market incentives, hydrogen and CCS will continue to struggle with scaling.

Market forces alone are insufficient to drive the transition at the required pace. Distortions in the energy market, caused by unpriced externalities like widespread fossil fuel subsidies, inhibit investment in cleaner technologies. In addition to incentives that promote renewable energy, we need strong disincentives, such as higher carbon prices, to phase out fossil fuels effectively.

Another pressing challenge is the high financing costs and perceived risks that are preventing the spread of cost-competitive clean energy technologies in developing economies. These regions could benefit most from such technologies, both in terms of sustainable development and energy affordability. Ensuring access to modern energy remains one of the most significant inequities in today's global energy system and must be a priority moving forward.

In this edition, you'll find exciting project reports from our colleagues. We hope you enjoy reading and that you draw fresh inspiration for your work!

For all giz employees: we would love to discuss these topics with you at our End-of-Year Meeting on December 18-19 in Eschborn (GIZ-internal Event). Registration is now open and will remain available until November 8. You can find more information on Energy and Mobility CoP - Sharing2improve.

[Only intern » Energy and Mobility CoP - Sharing2improve](#)

André Eckermann

Head of Competence Centre Energy and Transport

Stefan Mager

Head of Infrastructure – Energy, Water, Mobility

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- » Management of cross-border energy exchanges within the ECOWAS Region
- » Transforming Kitchens with Electric Cooking (eCooking)

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- » Summit underlines the importance of public-private partnerships in the development of the green hydrogen economy in LAC Region
- » Unlocking Brazil's Dual Power: The Potential of Agrivoltaic Systems
- » Brazilian Postal Service Company (Correios) innovates sustainable energy solutions with Energy Efficiency Learning Network Pilot
- » H2Uppp, TÜV Rheinland, Senai, Messer, and GIZ sign Letters of Intent for training in ports and decarbonisation of the Brazilian metalworking industry with green hydrogen

» AgriPV: Innovation to adapt to climate change and water scarcity in the Chilean agriculture sector

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- » Elevating energy strategy with ISO 50001 across India
- » 10 journalists strengthen knowledge on just energy transition
- » Indonesia Sustainable Energy Week 2024: United Towards a Sustainable Energy Future
- » Accelerating Thailand's Energy Transition: Key Insights from BESS and Energy Modeling Kick-Off Meetings from GIZ EM "Partnerships to Accelerate the Global Energy Transition" (PACT)
- » Indonesia's Gateway in Transitioning Towards Low-Carbon Hydrogen

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- » 2024 Just Transition Forum discussed the core aspects of a fair energy transition in the Energy Community region
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- » Towards carbon neutrality for the Mediterranean

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- » Sustainable shipping and aviation moving ahead
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- » Mentoring Programme for development of energy female talents

PUBLICATIONS

GIZ JOB OFFERS

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UPCOMING EVENTS

11 November to 22 November 2024

[UN Climate Change Conference \(UNFCCC COP 29\)](#)

Baku, Azerbaijan

20 July to 27 July 2024

[Energy Community Summer School 2024](#)

Chisinau, Moldova

31 August to 13 September 2024

[Bonner Energietage](#)

Bonn, Germany

09 September to 11 September 2024

[5th International Forum on Long-Term Energy Scenarios](#)

Bonn, Germany

12 September to 13 September 2024

[Handelsblatt annual conference on industry decarbonisation](#)

Düsseldorf, Germany

17 September 2024

[Global Landscape Forum AFRICA 2024: GREENING THE AFRICAN HORIZON \(Hybrid Event\)](#)

Nairobi, Kenya

07 October to 08 October 2024

11 November to 22 November 2024

UN Climate Change Conference (UNFCCC COP 29)

Baku, Azerbaijan



••• AFRICA •••

Green Hydrogen Masterclass Lights the Path for Lüderitz Local Authority

Gearing Up for a New Future for Lüderitz



Representatives of Regional and Local Authority of Lüderitz attending the Masterclass © Nehemia Mutaleni

The Lüderitz Town Council took a significant step towards embracing a sustainable future with the Green Hydrogen Masterclass organized by GIZ H2Unit Namibia. The event, held in collaboration with local stakeholders, drew 33 participants, including key figures like Mayor Hon. Cllr. Phillippus Balhao and constituency councillor Hon. Ndjaleka, alongside senior officials from the town and regional councils. The event focused on deepening the understanding of green hydrogen production and its role in achieving sustainable energy goals.

The port town of Lüderitz is on the brink of a green hydrogen revolution with a large-scale project being developed by the Namibian Government and Hyphen. This project aims to produce around 300,000 tonnes of green hydrogen per year. During the opening, Mayor Balhao emphasized the importance of focusing on green energy solutions to combat global warming while balancing the coexistence of the oil and green energy sectors.

Participants also expressed interest in practical skills development, especially in water supply and plastic recycling, underscoring the broader societal implications of green hydrogen projects.

Contact persons [Gabes Nghipandwa](#)

Project description

The GIZ Green Hydrogen Business Alliance's primary objective is to expedite the establishment of a sustainable hydrogen H2/PtX economy in Namibia, while ensuring a fair and just transition.



Quality Infrastructure for the Namibian Green Hydrogen Economy

Which green hydrogen standards should Namibia adapt?



Namibia GH2 Standard and Certification Workshop © Christian Stiebahl Photography

Namibia aims to become a global hydrogen hub, leveraging its strategic location and sunny, sparsely populated environment. As part of its green energy transformation, Namibia is focusing on identifying Green Hydrogen (GH2) National Standards and defining the Namibian Standards Institution's (NSI) role in the GH2 value chain.

In collaboration with GIZ, the NSI hosted a "Quality Infrastructure for Green Hydrogen" workshop in June, part of an ongoing study to develop a "Roadmap for developing and implementing GH2 National Standards and establishing Namibian Standards Institution (NSI) role in the GH2 Value Chain". The workshop, well-attended by industry leaders, emphasized the importance of adopting international standards and aligning with the Southern African Development Community (SADC) region's activities.

The workshop aimed to foster stakeholder engagement and formulate recommendations for establishing comprehensive standards and certification schemes for green hydrogen in Namibia, positioning the country as Africa's renewable energy hub and a benchmark for high-quality hydrogen production and supply.

Contact person [Gabes Nghipandwa](#)

Project description

The GIZ Green Hydrogen Business Alliance's primary objective is to expedite the establishment of a sustainable hydrogen H2/PtX economy in Namibia, while ensuring a fair and just transition.

- » [Green Hydrogen Business Alliance – PtX for a Just Transition](#)
- » [NSI leads the way to prepare Namibia for GH2 market - nbc](#)



How EnDev's Digital Solutions Enable Scaling in Healthcare

Ethiopia, Malawi, Mali, Liberia, Senegal



EnDev's support not only ensures efficient vaccine distribution, but also extends the capacity to cool various medical products © GIZ

To verify and manage installations of vaccine refrigerators and solar systems used to be costly and slow. With its digital approach, the global programme Energising Development (EnDev) increases speed and scalability of solar-powered vaccines storage in health centres.

EnDev's Energising Health initiative, supported by Germany's special funds for vaccination logistics, is making significant strides in the healthcare sector. Active in Ethiopia, Malawi, Mali, Liberia, and Senegal, the initiative aims to enhance the cold chain for vaccines and provide basic electricity access for health facilities.



Get to know Malick Mbaye, Head Nurse at a supported health post in Senegal and learn how solar refrigeration has transformed his daily operations © GIZ

EnDev uses digital tools like cloud-stored photo documentation, live data, and remote monitoring to oversee progress and installation quality.

This enables largely virtual verification and ensures smooth operation even in rural areas. For example, EnDev uses alarm notification via SMS and remote diagnostics for troubleshooting. Saving time and money, EnDev was able to reach over 1,200 rural health centres.

The initiative could be applied to other energy access fields, such as school or community electrification – enfolding an enormous scaling potential.

Project description

Energising Development (EnDev) is an international flagship programme for providing energy access. The driving force behind EnDev is the partnership of Germany, the Netherlands, Norway, and Switzerland.

Further information

» [Energising Change - EnDev](#)

» [Digitalisation in Healthcare: How EnDev's Digital Solutions Enable Scaling - EnDev](#)



Madagascar's solar vocational training is finally here

Supporting job creation via the certification of the future solar technicians



Tuléar Open day -launch of solar training

Solar energy is booming in Madagascar and has become a key part of its energy transition strategy. Indeed, the government estimates that around 500 solar technicians will be needed per year for the next 10 years to meet the country's sectoral needs. GIZ is making a decisive contribution to this transition by setting up a vocational training course for solar energy targeting young people aged 18 to 25, in partnership with the two partner ministries (energy and technical education), the technical high schools of Antananarivo (Alarobia) and Toliara and the private sector.



Driving Growth: Effective Renewable Energy Tendering in Africa © GIZ/Glenn McCreath

In addition to the various trainings for trainers and the job platform provided, practical work rooms have been set up and educational equipment has been installed thanks to the BMZ funding to ensure practice-oriented courses. The training also combines practical sessions within the partner companies. The first promotion will begin in October 2024 and will follow the training for 8 months. They will receive an official certificate at its end.

Contact person [Carlos Miro](#)

Project description

» [Green electricity: driving Madagascar's development - giz.de](#)

Further information

» [Promoting young people through solar training](#)



Localising Green Industries Study launch at the Global African Hydrogen Summit

Actionable Steps for Advancing Green Industrialisation in Namibia



Study Launch at GAHS © Christian Stiebahli Photography

The "Localising Green Industries in Namibia" study was officially launched on September 3, 2024, during a side event at the Global African Hydrogen Summit, alongside the Green Industrialization Blueprint.

Key stakeholders from both government and private sectors gathered to discuss the study's findings and recommendations, presented by Hon. Kornelia Shilunga, Deputy Minister of Mines and Energy, and Jochen Flasbarth, State Secretary of the German Federal Ministry of Economic Cooperation and Development.

The study, developed in collaboration with various ministries and the GIZ Green Hydrogen Business Alliance Project, outlines actionable steps for advancing green industrialisation in key sectors such as iron, lithium, and rare earth elements.



Study Launch at GAHS © Christian Stiebahli Photography



Localizing Green Industries in Namibia

Green Hydrogen Business alliance logo
 “Localizing Green Industries in Namibia”

Recommendations focus on leveraging Namibia's mining sector and establishing a supportive legislative framework to unlock the potential of green industries. The findings are anticipated to guide future green hydrogen initiatives and inform Namibia's overall green industrialisation strategy.

Contact person Gabes Nghipandwa

Project description

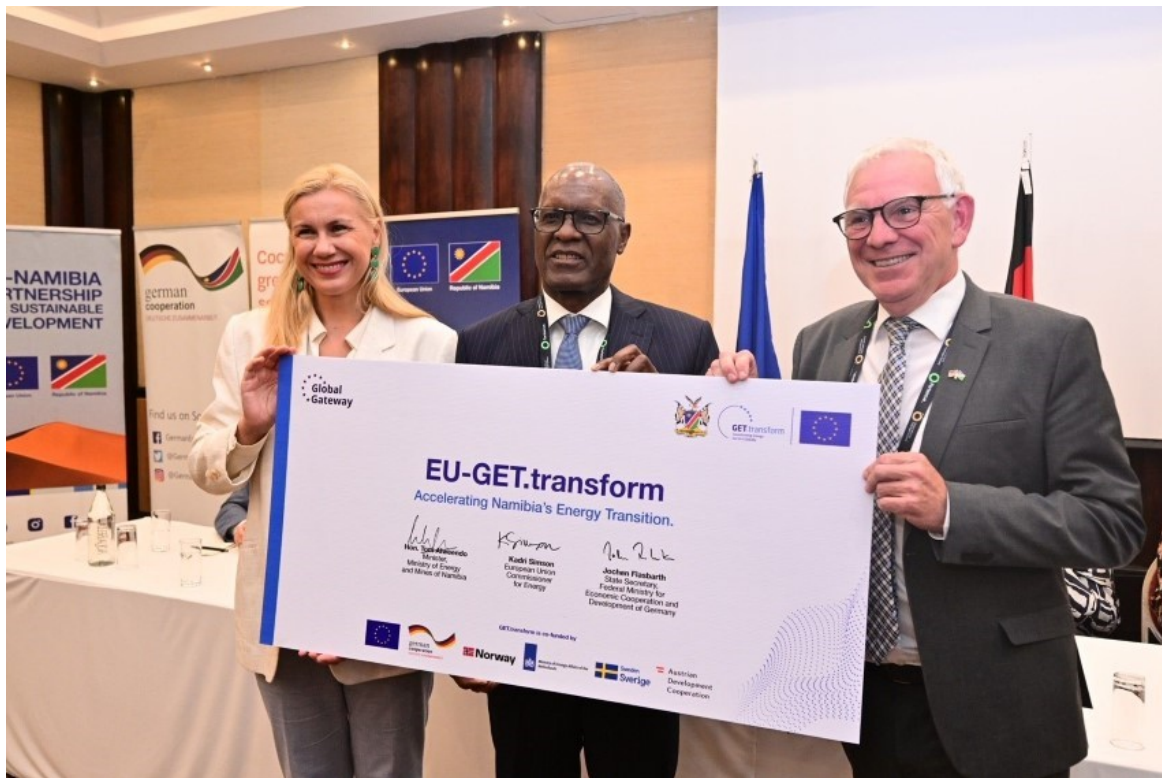
The GIZ Green Hydrogen Business Alliance’s primary objective is to expedite the establishment of a sustainable hydrogen H₂/PtX economy in Namibia, while ensuring a fair and just transition.

» [Green Hydrogen Business Alliance – PtX for a Just Transition](#)



Team Europe Boost for Namibia’s Green Industrialisation

EU-GET.transform Country Window Namibia among four Team Europe initiatives celebrated during Global African Hydrogen Summit in Windhoek



From left to right: EU-Commissioner for Energy, Kadri Simson, Namibia's Minister of Mines and Energy, Hon. Tom Alweendo, and German State Secretary Jochen Flasbarth, holding the signed agreement © European Union

Namibia’s Green Industrialisation Agenda has received a significant boost with the announcement of four new Team Europe initiatives, collectively amounting to EUR 36,9 million, during an official signing ceremony alongside the Global African Hydrogen Summit.

Among the projects announced is the EU-GET.transform Country Window Namibia which is co-financed by the European Union, Germany, Norway, the Netherlands, Sweden and Austria. Working in partnership with the Ministry of Mines and Energy, ECB, NamPower and Regional Electricity Distributors, GET.transform provides technical assistance for enabling investment into renewable energy generation, transmission, and storage.

EU Commissioner Simson announced a significant commitment of EUR 25 Million in grants of the EU to support the Namibian Green Industrialisation Agenda. Further announcements concerned the Namibian Green Hydrogen Programme (NGHP) and an institutional partnership to develop a regulatory framework for Namibia's Green Hydrogen Economy.

These initiatives highlight the comprehensive collaboration between Namibia and European partners in driving green transition efforts, and accelerating related job creation.

Contact person [Lovisa Neshila](#)

Project description

GET.transform is a technical assistance programme supporting national and regional partners in advancing their energy transitions. GET.transform is part of the European multi-donor platform Global Energy Transformation Programme (GET.pro), and supported by the European Union, Germany, Norway, Sweden, the Netherlands and Austria.

Further information

- » [Global Energy Transformation Programme » GET.pro \(global-energy-transformation.eu\)](#)
- » [GET.transform – Transforming Energy Sectors Globally \(get-transform.eu\)](#)
- » [Longer news version of the above: Team Europe Boost for Namibia's Green Industrialisation » GET.transform \(get-transform.eu\)](#)
- » [Global African Hydrogen Summit](#)
- » [EU-GET.transform Country Window Namibia](#)



Socio-Economic Impact Assessment of ESDS Project Activities in Kenya – Endline Findings

Kenya



Community awareness session on productive use of energy in Kalobeyei Kenya © GIZ Kenya/ESDS Project

ESDS Project recently conducted an endline assessment on socio-economic impact of its activities

in Kenya. The study assessed among others, appropriateness of technology used in provision of high tier electricity supply and the nature of cooperation with partners.

Mini grids are deemed as appropriate in the refugee settlement with 96% of respondents saying they would not have preferred a different technology, but there seems to be unmet needs by the hosting community with only 67% confirming appropriateness. At least 50 businesses reported to have started or increased operational hours due to electricity access. However, there is need to address non-energy factors such as financial inclusion and ease of access to government services especially by refugees. The findings suggest effectiveness of partnerships fostered by the project, with majority of partners saying it leveraged their technical expertise. Strategic advisory has been recommended for realization of sustainability of energy interventions in displacement settings.

Contact person [Wilkista Akinyi](#)

Project description

Energy Solutions for Displacement Settings Project is part of the BMZ globally commissioned Programme 'Support to UNHCR in facilitating the Operationalization of the Global Compact on Refugees in the Humanitarian-Development-Peace' Nexus (SUN)

» [Updated_ESDS_Kenya_Factsheet_9-May-2024.pdf \(energypedia.info\)](#)



GET.invest launches 'EDGE Finance' to support domestic financial institutions in funding green energy

The new service is part of GET.invest's efforts to mobilise funding for clean energy and is closely linked to the GET.invest Finance Access Advisory

GET.INVEST LAUNCHES NEW 'EDGE FINANCE' SERVICE AT GOGSFE 2024

Supporting domestic financial institutions in funding green energy

Learn more: get-invest.eu/about/news/

GET.invest is co-funded by

European Union, German Cooperation, Norway, Ministry of Foreign Affairs of the Netherlands, Sweden Sverige, Austrian Development Cooperation, GET.invest

GET.invest launches new 'EDGE Finance' service at GOGSFE 2024 © GOGLA

In an effort to drive domestic green energy investments, GET.invest launched EDGE Finance (Enabling Domestic Green Energy Finance) at the Global Off-Grid Solar Forum & Expo 2024 in Nairobi. EDGE Finance specifically targets domestic financial institutions – such as commercial banks, microfinance institutions and pension funds – providing them with the necessary knowledge, tools and network to support green energy initiatives in their markets.

EDGE Finance will be implemented through an innovative combination of onsite staff coaching over several months



Read more about it on the GET.invest LinkedIn profile © GOGLA

and online training modules to deepen or reinforce specific topics. The new service is part of GET.invest's efforts to mobilise funding for clean energy, and is closely linked to the GET.invest Finance Access Advisory for companies and projects, creating a comprehensive support system from project preparation to financial closure. The activities will start in Kenya and later expand to additional countries where the GET.invest programme operates.

Contact persons [Akash Uba](#)

Project description

GET.invest is an European programme that mobilises investment in renewable energy, co-funded by the European Union, Germany, Norway, the Netherlands, Sweden and Austria. It is implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). Since 2022, GET.invest serves as the Team Europe One Stop Shop to help companies and project developers navigate and access European support and financing instruments for green energy.

Further information

- » [EDGE Finance - GET.invest \(get-invest.eu\)](#)
- » [Article on GET.invest website](#)
- » [Home | Global Off-Grid Solar Forum & Expo 2024](#)



South Africa's progress and challenges on the road to a just energy transition

Interview with Dr Aalia Cassim, Acting Chief Director of Microeconomic Policy at the National Treasury of South Africa



PV Panels on rooftop ©GIZ/Jesse David Preyser

South Africa's energy crisis has led to rolling power cuts, slowing economic activity and has affected small businesses. In response, the government has expanded renewable energy production and

fast-tracked clean energy procurement, allowing private participation in electricity markets and reducing Eskom's monopoly. Despite progress, challenges remain with ageing coal plants and infrastructure. GIZ has been instrumental in the country's energy transition, providing technical assistance, training, and resources for policy reforms.



Full interview with Dr Aalia Cassim ©GIZ

It collaborates with government officials to design effective policies and supports interventions to protect local ecosystems. GIZ's contributions have been crucial in aligning reforms with South Africa's priorities, driving the shift toward a sustainable and green energy future.

Contact person [Elaine Cheung](#)

Project description

SAGEN supports South Africa's energy transition by advising on electricity sector liberalisation, assisting Eskom and municipalities with power system optimisation, integrating embedded generation for grid stability, and improving energy management systems for enhanced efficiency and sustainability.

- » [Driving South Africa's Energy transition to reliable, affordable, and clean energy - giz.de](#)
- » [Sister Project: Facilitating South Africa's energy transition through capability enhancement - giz.de](#)
- » [Project Website: SAGEN - Home](#)

Further information

- » [Home - Embedded Generation Resource Portal \(sseg.org.za\)](#)
- » [Municipal Energy Management Systems Resource Portal - Home - MEMS \(memsresources.org.za\)](#)



Sustainable water supply

GIZ partners with the Ghana Water Company Limited to rehabilitate the Likpe Community Water Pumping Station



1. Aerial view of Likpe Community Water Pumping Station © GIZ

In Likpe, a small community in Ghana, a remarkable transformation has occurred. An aging water pumping station plagued by frequent power outages has become a beacon of sustainable development. Through the Sustainable Energy for Climate Protection in Ghana project, the station has been upgraded with highly efficient pumps and a 19 kWp solar PV system. The intervention will generate 725 MWh of clean energy over 25 years and save 140 MWh over 20 years, reducing the community's reliance on grid electricity while cutting costs and boosting reliability.



Community members now enjoy reliable water supply © GIZ

The impacts are significant:

Cost Savings: The upgraded system reduces electricity costs by €4,500 annually, with total savings projected to reach €100,000.

Emissions Reduction: The project saves a total of 365 tCO₂, contributing significantly to global climate protection efforts. By embracing solar power and energy-efficient technology, Likpe sets a new standard for sustainable water supply in Ghana, improving local livelihoods and supporting climate protection.

Contact person [Tangmar Marmon](#)

Project description

The project seeks to improve the institutional and regulatory framework for using renewable energy and energy efficiency solutions is improved.

» [Green energy for climate protection in Ghana - giz.de](#)

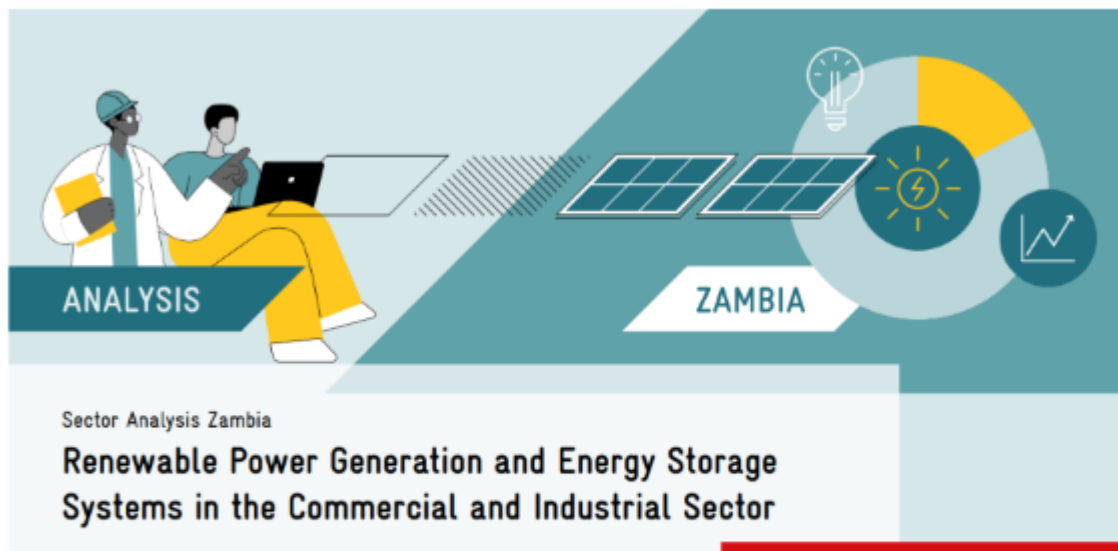


Installed solar panels on the Likpe Community Water Pumping Station © GIZ



Zambia: Opportunities in Renewable Power and Energy Storage for C&I Sector

New sector analysis explores opportunities for providers of climate friendly energy solutions



This publication was commissioned by the German Energy Solutions Initiative of the German Federal Ministry for Economic Affairs and Climate Action (BMWK)

PDP's new Sector Analysis Zambia – Renewable Power Generation and Energy Storage Systems in the Commercial and Industrial Sector © GIZ

Zambia's energy landscape is undergoing significant change, driven by the need for greater energy security and diversification. The country remains heavily reliant on hydropower, which supplies most of its electricity. However, climate change poses increasing risks to this source, especially in critical sectors like food and medicine refrigeration. Frequent power outages highlight the urgent need for stable and reliable energy solutions.

A recent sector analysis from the Project Development Programme (PDP) explores Zambia's potential for renewable energy expansion. Despite a modest solar photovoltaic capacity of just 90 MWp, the analysis reveals a promising market with strong growth prospects. Zambia plans to significantly boost solar and wind capacity by 2030.



The Project Development Programme (PDP) – How does it work? © BMWK

In addition to outlining technical opportunities, the analysis also examines upcoming regulatory changes, such as tariff adjustments and new net-metering regulations, which aim to create an attractive environment for investors. These developments make Zambia a compelling market for renewable energy providers.

Contact person [Domenica Edriss](#)

Project description

The Project Development Programme (PDP), as a key pillar of BMWK's German Energy Solutions Initiative, operates at the intersection of development cooperation and private sector engagement at the local level. The PDP team collaborates with the C&I sector in developing countries to develop climate-friendly energy projects in the fields of photovoltaics, battery storage, energy efficiency, process heat, and green hydrogen. It provides free and neutral advice to local companies, facilitates connections with solution providers registered in the German Energy Solutions Initiative, and promotes market development through trainings, studies, and reference projects.

Further information



Environ Social Governance mainstreaming in Projects

Empowering women and youth to lead the charge for a sustainable future



Mangrove nursery at Mtongani Kidundu, Kilifi County. GIZ-GCF Greening Initiative from 2022 World Environment Day done in conjunction with MercyCorps © giz kenya

The GCF project was crafted with a deep understanding of resource dynamics and a commitment to sustainable exploitation and utilization of natural resources by embedding environmental and social safeguards into every stage of its planning and execution.



This was a follow-up visit to see the progress of the 900 mangrove seedlings planted © giz kenya

The project promotes implementation of Environmental and Social Management Plans (ESMPs) as part of environmental social governance. Under ESMP, the project aims to adopt international best practices. The legal framework and guidelines on the Environmental, Social, and Health Impact Assessment (ESHIA) are drawn from:

- The National Legal Framework guiding the environmental impact assessment of the project (Applicable National Environmental Management, Occupational Health and Safety, Public Health, and Labour Laws and Regulations).
- GIZ's Safeguards and Gender (S+G) Management System.
- International Finance Corporation (IFC) Performance Standards.
- World Bank ESHS Guidelines.
- Convention of Biological Diversity; and Ramsar Convention on Wetlands.

For projects relying heavily on natural resources, ESMP is an imperative for sustainability and to

ensure unintended negative impacts are identified and addressed in a timely fashion.

Contact persons [Ezekiel Mahanya Moseri](#) and [Joy Mugambi](#)

Project description

The project aims to accelerate the growth of the improved cookstove sector with an irreversible market transformation, enabling Kenya to significantly advance the achievement of the stated Nationally Determine Contribution (NDC) goals.

» [FP103: Promotion of Climate-Friendly Cooking: Kenya and Senegal | Green Climate Fund](#)

Further information

» [Please click to pdf: Environmental and Social Management Plan \(ESMP\)](#)



A small solar-water pump project for a big market transformation

PURE.Ag suppliers shift from cash-sales to consumer credits for the first of 100 solar pumps – boosting productivity of small-holder farmers



Solar-powered irrigation pump at a cooperative farm in Rwanda © Dorothee Merkl/GIZ

Solar water pump suppliers have begun making sales in Rwanda, marking a significant step for Energising Development (EnDev). The productive use component “PURE.Ag” supports smallholder farmers’ access to solar-powered irrigation through Result Based Financing (RBF). The approach? Rather than reducing the price of the product, PURE.Ag offers a supply-side subsidy to support companies’ shift from cash-sales to instalment-based sales like Pay-As-You-Go (PAYGo).

Despite an up to 75% subsidy on solar pumps through World Bank and government programmes, farmers still usually opt for diesel-powered irrigation – profiting from the lower upfront investment, but continuously paying for fuel. PURE.Ag reduces the farmers’ upfront payment on solar pumps to just 5% combined with a PAYGo model. This makes solar irrigation competitive to diesel pumps, and more affordable and accessible to farmers, boosting their productivity.

The component is jointly implemented by EnDev, MercyCorps-Energy4Impact and EUCORD. Suppliers are on track to deploy 100 pumps by mid-2025.

Contact person [John Kizito](#)

Project description

The Productive Use of Renewable Energy in the Agricultural Value Chains (PURE.Ag) component of EnDev Rwanda aims to boost smallholder farmers' productivity through improved access to solar-powered irrigation equipment, supporting climate-smart agriculture.

Further information

» [Productive Use of Renewable Energy In Agricultural Value Chains \(PURE.Ag\) - EUCORD](#)



Kenyan Counties Ready to Implement Renewable Energy with Urban Smart Energy (USE)

Nakuru and Mombasa progress their energy goals through CoM SSA's Urban Smart Energy (USE) product



City-to-city exchange between Mombasa and Nakuru counties on Urban Smart Energy (USE), renewable energy, and energy efficiency projects © GIZ/Frida Baldeon

Nakuru and Mombasa are advancing their energy strategies by adopting decentralised solar energy systems for public buildings, in collaboration with the Covenant of Mayors in Sub-Saharan Africa on Urban Smart Energy (USE). USE is a structured approach to assess the technical and economic feasibility of solar installations on city-owned sites, supporting cities' transition to renewable energy.

In both countries, 18 facilities have been evaluated, with a total system size of 2.42 MWp, an investment of 2,5 USD mio. and expected annual savings of US\$175,000. Memorandums of Understanding have been signed, technical assessments completed, and workshops conducted to strengthen local capacity. Nakuru and



Workshop on smart meter dashboards at Mombasa's Teaching and Referral Hospital
© GIZ/Frida Baldeon

Mombasa are now ready to move forward with these projects, setting a benchmark in Kenya. With four of these already committed to be funded, the counties are laying a strong foundation for an inclusive energy transition, keeping it on track to achieve its goal of climate neutrality by 2050.

Contact persons [Robert Kirchner](#) and [Kruti Munot](#)

Project description

CoM SSA is a regional chapter of the Global Covenant of Mayors (GCoM), which is the largest global network of more

than 13,000 cities taking ambitious climate and energy action. CoM SSA works with over 380 local governments in Sub-Saharan Africa.

Further information

Please inform about USE in Mombasa and Nakuru here:

- » [CoM SSA 1](#)
- » [CoM SSA](#)
- » [CoM SSA | Home](#)



Solar Fridges Boosting Health Care Services in Malawi

Facilitates access to renewable energy in over 150 facilities



Health Worker Pulling Out Vaccines from a Solar Fridge © GIZ-EnDevMalawi/Mathews Malata

GIZ-Energising Development (EnDev) Malawi, through the Energising Health Programme has enhanced healthcare in hard-to-reach areas through installation of solar fridges. Initially aimed at supporting vaccine storage during the COVID-19 pandemic, these fridges are now improving immunisation and healthcare quality across Malawi.



Solar powered fridge loaded with vaccines
© GIZ-EnDevMalawi/Mathews Malata

Facilities like Lulwe Health Centre, which faces frequent power outages, have benefited significantly. The solar-powered fridges provide reliable vaccine storage, helping maintain crucial vaccination services, especially in remote areas. Health workers no longer face long journeys to restock vaccines, and immunisation coverage has improved.

The initiative, which electrified 93 facilities and installed 184 solar fridges, has reduced under-five mortality rates and enhanced healthcare delivery. This intervention

demonstrates the potential of renewable energy solutions to strengthen healthcare systems in resource-constrained regions, contributing to better public health. Installations were done in the districts of Balaka, Chikwawa, Dedza, Lilongwe, Mangochi, Mchinji, Mulanje, Nkhatakota, Nsanje, Ntcheu, Phalombe, and Salima districts.

Contact person [Mathews Malata](#)

Project description

» [Malawi - EnDev](#)



Management of cross-border energy exchanges within the ECOWAS Region

Selected key actors strengthened on the assignment via the use of the Market Management Platform



Professionals during the Training Market Management Platform © GIZ

The WAPP Information and Coordination Centre has successfully completed the stage 1 of the Regional Electricity Market pilot test and is preparing for the stage 2 of the pilot test which requires payment for transactions within the market. To ensure a good understanding of the Market Management Platform by the relevant stakeholders, WAPP organised in 2022 and 2023, the 1st and 2nd phases of practical training for Electricity Market Experts in charge of the daily forecasting of cross-border energy exchanges.



Group Picture Training Market Management Platform WAPP GIZ © GIZ

In collaboration with ProCEMII programme/GIZ, WAPP organised the 3rd phase of the practical training (September-October 2024) at the WAPP Regional Training Centre (Benin). The training provided the required knowledge to facilitate online cross-border interactions with the platform. The main expertises gained were among

others on bilateral market settlement, day-ahead market/ energy imbalance settlement and billing, etc.

The grid code and the pricing methodology for transmission networks are also key instruments in the pipeline, expected to strengthen the regulatory framework for the implementation of the phase 2 of the Market.

Contact person [Gildas Bankolé](#)

Project description

The project supports its partners in operationalising the regional electricity market.

The objective is to improve the institutional, technical, legal and regulatory conditions for the energy sector in the ECOWAS member states and facilitate a functioning, climate-friendly regional electricity market.

Further information

» [Promotion of a Climate-friendly Electricity Market in the ECOWAS Region \(ProCEM II\) - giz.de](#)



Transforming Kitchens with Electric Cooking (eCooking)

Cook with electricity for better health and savings



Stirring up smiles with electric cooking appliances in the kitchen © GIZ

Did you know that 21,500 premature deaths occur annually in Kenya due to indoor air pollution from cooking with biomass fuels like firewood and charcoal? These fuels are not only harmful to health but also contribute to 26.5% of Kenya's total greenhouse gas (GHG) emissions.

With the growing access to electricity in Kenya, there's a sustainable alternative; electric cooking, in eCooking solutions such as electric pressure cookers (EPCs), electric induction cooktops (EICs), and electric air fryers are highly efficient, converting about 90% of the consumed energy into



eCooking: A more efficient cereal business
- EnDev © GIZ

heat. Conveniently, 68.9% of households on the main grid already have electricity suitable for eCooking.

Why switch to eCooking?

- Enjoy a clean, smokeless kitchen
- Cook faster and save money
- Reduced deforestation from charcoal and firewood use
- Help mitigate climate change by lowering carbon emissions

Contact persons [Monicah Gathuna](#) and [Jimmy Kyalo](#)

Project description

EnDev Kenya focuses on two core components: facilitating access to modern cooking energy for 5.8 million people and off-grid electrification for 456,742 people.

» [Kenya - EnDev](#)

Further information

» [EnDev and Partners Introduce the Global Electric Cooking Coalition \(GeCCo\) - EnDev](#)



••• AMERICAS •••

Small Country – Big Steps: How is Uruguay becoming a centre of innovation in Latin America and a pioneer in green hydrogen?

Uruguay



Producing hydrogen from wind energy © Shutterstock/ID

Uruguay, located between Argentina and Brazil, already committed 20 years ago to a long-term state energy policy until 2030. This sets out the guidelines for diversifying sources of production and supply and for enhancing energy efficiency. Remarkably, this development of long-term policies has brought stability to the country, a fact which is reflected in the reliability indicators within Latin America, where Uruguay usually ranks first. And that is attractive for investors!

With an electricity system that already generates almost 100% of its electricity from renewable sources, the country is



Uruguay in Latin America. Reliability indicators © GIZ

now focusing on expanding its wind and solar capacity to implement specific projects for electric mobility and the production of hydrogen derivatives, with the aim of becoming carbon neutral by 2050. According to the national hydrogen roadmap, which spans the period up to 2040, this sector represents a potential source of income of USD 1.9 billion per year. More than 30,000 direct jobs in plant construction, operation and maintenance, logistics and technical training could be created, thus contributing to socio-economic growth.

Contact person [Daina Neddemeyer](#)

Project description

In 2023, about a year after the official launch of the Hydrogen Roadmap Uruguay, the agreement to establish the Uruguayan-German Energy Partnership was signed at BETD in Berlin between the Uruguayan Ministry of Industry, Energy and Mining (MIEM) and the German Federal Ministry for Economic Affairs and Climate Action (BMWK).

» [German-Uruguayan Energy Partnership | Climate and Energy Partnerships](#)



Summit underlines the importance of public-private partnerships in the development of the green hydrogen economy in LAC Region

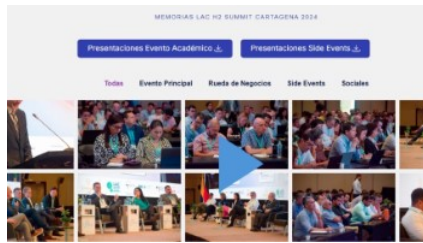
Colombia, Chile, Brazil, Uruguay



Summit organizers team © GIZ Colombia

More than 500 people from 14 countries came to Cartagena de Indias, Colombia, to participate in the LAC H2 SUMMIT, an event that brought together senior executives from companies, public and financial organisations from different countries in the region, confirming the potential and prospects for the development of renewable hydrogen in Colombia, Latin America and the Caribbean.

The event featured a trade show of 30 companies, a business roundtable with more than 160 meetings and 9 side events.



LAC Clean Hydrogen Action, Cartagena 2024

This event was organised by the Colombian Ministry of Mines and Energy, the LAC Clean Hydrogen Action and the H2Uppp Programme of the German Federal Ministry of Economics and Climate Protection (BMWK) implemented by GIZ and the AHKs as partners, H2-diplo, Hidrógeno Colombia, and the World Energy Council of Colombia.

It sought to join collective efforts to move towards an effective and equitable decarbonisation, and to strengthen the competitiveness of the region at a global level.

Contact person [Cristian Fuentes](#)

Project description

The International Hydrogen Ramp-up Programme (H2Uppp) of the German Federal Ministry for Economic Affairs and Climate Action (BMWK) promotes projects and market development for green hydrogen in selected developing and emerging countries as part of the National Hydrogen Strategy.

Further information

» [MatchMaker - Discover new business opportunities in emerging markets.](#) | [MatchMaker \(EN\) \(wirtschaft-entwicklung.de\)](#)



Unlocking Brazil's Dual Power: The Potential of Agrivoltaic Systems

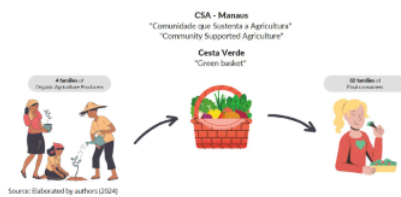
Results of the study by the German-Brazilian Energy Partnership published in renowned scientific Journal "Energy Applied!"



Agrivoltaic System © GIZ

As one of the world's largest agricultural producers, Brazil is uniquely positioned to harness Agri-PV's potential, combining solar energy generation with agricultural productivity.

In Brazil's vast remote areas, decentralized power is vital and solar energy offers a sustainable, low-maintenance alternative. However, solar installations can compete with agricultural land. Agri-PV solves this dilemma by allowing both activities to coexist, maximizing land use efficiency.



Association of the Organic Producers of Iranduba (APOI) operational model © GIZ

Family farming, which represents 77% of Brazil's agricultural establishments and provides 70% of Brazil's food, stands to benefit enormously. Agrivoltaic systems can provide small-scale farmers with energy autonomy and new income streams, fostering resilience in rural communities.

Despite challenges such as high initial costs and the need for technical training, existing funding opportunities make Agri-PV a promising pathway to enhance both food and energy security, propelling Brazil toward a more sustainable future.

Contact person [Kristina Kramer](#)

Project description

The German-Brazilian Energy Partnership was established as a platform for high-level political dialogue between the Brazilian Ministry of Mines and Energy (MME) and the German Federal Ministry for Economic Affairs and Climate Action (BMWK).

» [The German-Brazilian Energy Partnership | Energy Partnership Brazil-Alemania](#)

Further information

» [Inicio - Proyecto Transición Energética \(mem.gob.do\)](#)

» [Article: An evaluation of the potential of agrivoltaic systems in Brazil - ScienceDirect](#)

» [Factsheet: Potential for Agrivoltaics \(Agri-PV\) in Brazil](#)



Brazilian Postal Service Company (Correios) innovates sustainable energy solutions with Energy Efficiency Learning Network Pilot

Presenting results from the first Brazilian Network within a single institution



RedEE Correios Team, GIZ MME and Mitisid after presenting the Networks's accomplishments at The Smarter E South America event in Sao Paulo, showcasing its potential for Brazil © GIZ Brazil

Correios, in partnership with the Energy Systems of the Future project (Brazil's Ministry of Mines and Energy, BMZ, and GIZ), is setting a robust example through its RedEE (Learning Network), advancing energy efficiency (EE) and renewable energy (RE) production. Since 2022, the initiative has trained over 30 employees, conducted energy diagnostics, and implemented measures at Correio's headquarters and 14 state superintendencies, with plans to expand the programme and invest R\$15.8 million in energy efficiency measures and R\$21 million in solar panels.



Representatives from Correios, GIZ and Ministry of Mines and Energy during the The Smarter E South America event. They highlighted the programme's potential as a model for advancing energy sustainability in public institutions and companies across Brazil © GIZ Brazil

This represents an expectation of around 7,8 GWh/year and R\$4.2 million per year worth of energy consumption reduction and a total expected generation of 8.56 GW/year of renewable electric energy.

In August, two key events highlighted RedEE's progress. The accomplishments were presented at a technical meeting held at the Correios Distribution Centre, in São Paulo, and at The Smarter E South America, showcasing its potential as a model for public institutions and companies advancing energy sustainability across Brazil.



The work with the Post Office began during the first pilot in Brazil, with RedEE Edifícios Públicos (Public Buildings). Find out more about this pilot experience

Contact person Nico Kohlhas

Project description

The project aims to improve the conditions for integrating renewable energy sources into the Brazilian energy system and for increasing the country's energy efficiency.

» [Energy systems of the future in Brazil \(ESZ\) - giz.de](#)

Further information

Energy Efficiency Portal (Portuguese only)

» [Eficiência Energética — Ministério de Minas e Energia](#)



Headline "H2Uppp, TÜV Rheinland, Senai, Messer, and GIZ sign Letters of Intent for training in ports and decarbonisation of the Brazilian metalworking industry with green hydrogen"

Partnerships aim to accelerate skills development and promote sustainable practices in Brazil's industrial and port sectors through green hydrogen technologies



From left to right: Martina Paulus, Dr. Markus Francke, and Axel Vogelsang at the joint project signing ceremony © Bernd dos Santos Mayer

During the 2024 Brazil-Germany Economic Meeting (EBBA) in Wolfsburg, Germany, the International Hydrogen Ramp-up Programme (H2Uppp), implemented by GIZ and funded by the German Federal Ministry for Economic Affairs and Climate Action, signed two key Letters of Intent to support green hydrogen development in Brazil.



From left to right: Isabela Taveira, Dr. Markus Francke, and Kurt Pichler at the

The first project, with TÜV Rheinland and SENAI Ceará, centres on the project "Enhancement and Safety Standards for the Green Hydrogen Hub at the Pecém Industrial and Port Complex." It will provide safety training for workers involved in the hydrogen and Power-to-X (PtX) value chains.

The second project, with Messer Cutting Systems and Messer Gases, focuses on raising awareness of green hydrogen in the Brazilian metalworking industry through the project "Hydrogen Steel Cutting Systems for Industrial Oxyfuel Applications." This includes professional training and analysis of technical and economic impacts.



© GIZ

These partnerships strengthen Brazil-Germany collaboration in promoting industrial decarbonisation and workforce development.

Contact person [Lorayne Santos](#)

Project description

The H2Uppp funding programme of the Federal Ministry for Economic Affairs and Climate Action accompanies and supports the market ramp-up of green hydrogen (H2) and Power-to-X (PtX) applications in selected developing and emerging countries. H2Uppp, unlike other hydrogen funding initiatives, therefore targets the early phase of green hydrogen project development. The Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) was commissioned to implement the funding programme.

» [MatchMaker of the Agency for Business and Economic Development \(AWE\)](#)

Further information

» [Messer and GIZ signed a Letter of Intent to boost the decarbonization of the Brazilian metalworking industry with green hydrogen](#)

» [Alemanha: FIEC, por meio do SENAI, assina carta de intenção para desenvolver e garantir padrões de segurança no manuseio de Hidrogênio Verde - Sistema FIEC - Federação das Indústrias do Estado do Ceará \(sfiec.org.br\)](#)



AgriPV: Innovation to adapt to climate change and water scarcity in the Chilean agriculture sector

Energy Partnership Chile-Alemania present at Chile's biggest agricultural fair



Policy Brief presentation AgriPV at the fair Expo Agrícola 2024 © GIZ

On October 9 and 10, “Expo Agrícola 2024” with 40,000 in-person and virtual visits took place in Santiago, Chile, where the Energy Partnership Chile-Alemania, implemented by GIZ, presented its policy brief “AgriPV: Soil sharing for agriculture and solar photovoltaic power generation”.



[Download the policy brief here](#)

Contact person [Daina Neddemeyer](#)

Project description

The German-Chilean Energy Partnership became operational in April 2019. It is being implemented

The document was elaborated for the Chilean Ministry of Energy together with experts from Fraunhofer Chile Research and the Universidad Técnica Federico Santa María. It highlights the value of this innovation and proposes policy recommendations to promote its adoption in Chile.

Given that climate variability affects agricultural production, especially in regions with water scarcity, measures that combine both adaptation and climate mitigation are crucial. The Energy Partnership presented the Agri-PV solution in talks and a fair stand shared with the Ministry of Energy and the National Irrigation Commission, where it attracted high interest from farmers and irrigation system developers, as well as government representatives.

by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH on behalf of the German Federal Ministry for Economic Affairs and Climate Action (BMWK) and the Chilean Ministry for Energy (ME).

Further information

» [Chilean-German Energy Partnership](#) | [Energy Partnership Chile-Alemania](#)



••• ASIA •••

Working group deliberations on issues of PM-KUSUM scheme

Issues related to 'Tariff' and 'Land' for the projects to be setup under KUSUM A & C (Feeder Level Solarization)

India

The Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) scheme, launched by the Ministry of New and Renewable Energy (MNRE), aims to improve the agriculture sector through soil solarisation. The scheme has three components, of which Component A and C that entail solarisation of rural grid are not implemented as expected due to the constraints such as tariff, high initial capital cost, land related matters, grid connectivity, financing etc.

To deliberate on these critical issues, the PSWP project organised a total of four working group meetings; two each on the topics 'Tariff setting' and 'Land Parcel Availability' with experts from the electricity regulatory board, distribution companies, revenue department, legal firms etc. The issues discussed for KUSUM projects include i) indexation for the reference capital cost, ii) variation in operating norms, iii) viability of finance for farmers, iv) conversion of agricultural land to non-agri land, v) land authenticity issues, vi) land lease issues etc.

Contact persons [Ruchi Gupta](#) and [Prasun Kumar Das](#)

Project description

The PSWP project has facilitated an acceleration in the deployment and adoption of solar water pumps for productive use in a sustainable manner in India.

» [Promoting Solar Water Pumps through the Indo-German Energy Programme - Promotion of Solar Water Pumps - giz.de](#)



Advancing Sustainable Cooling Solutions in India

Workshop Series on District Cooling



Chennai Roundtable Discussion on District Cooling © GIZ India

To support district cooling enhancement in India, GIZ, under the Energy Efficient Cooling Programme, in collaboration with the Bureau of Energy Efficiency (BEE), and Tabreed India, hosts a workshop series in different Indian states. The first workshop in Chennai, held on June 28, focused on sustainable cooling solutions for Tamil Nadu, with discussions on DC's potential to cut energy consumption by up to 50%. Participants examined policies, funding mechanisms, and long-term visions to promote energy-efficient cooling.



Amaravati Roundtable Discussion on District Cooling © GIZ India

On September 26, the second workshop in Amaravati highlighted District Cooling as key to Andhra Pradesh's energy transition. The event launched a report showcasing a USD\$5 billion investment opportunity through DC, with a focus on the state's first large-scale Public-Private Partnership for cooling. The diverse participation, including 30% women, underscored the importance of inclusive solutions in meeting India's cooling demand while aligning with climate goals.

Further workshops are planned in Mumbai and Delhi.

Contact persons [Nitin Jain](#) and [Lena Kliesch](#)

Project description

The Energy Efficient Cooling Project is funded by BMWK under the IKI. The project supports the implementation partner, the Indian Bureau of Energy Efficiency (BEE) under the Indian Ministry of Power in the acceleration of the adoption of sustainable cooling practice, specifically District Cooling.

» [Promoting energy-efficient cooling in India - giz.de](#)

Further information

» [Andhra Pradesh District Cooling Report](#)

» [Tamil Nadu District Cooling Report: Chennai Event Report V15](#)



Elevating energy strategy with ISO 50001 across India

Enhancing efficiency, cut costs, and lead in sustainability



Session on ISO 50001 at Hubli © GIZ

To improve energy efficiency, operational performance, and sustainability practices in the steel and paper sectors, two-day training programmes on ISO 50001 are being organised across Maharashtra, Karnataka, Uttar Pradesh and Punjab. These trainings are designed to equip participants with valuable insights and practical knowledge to develop and implement energy saving frameworks, reduce costs, and comply with regulatory standards.

Participants in this training programme will benefit from a comprehensive understanding of energy management systems (EnMS) and their practical applications. They will also gain hands-on experience with Excel tools and formats for EnMS, as well as valuable insights into regulatory compliance and industry best practices. In addition, the programme provides opportunities to network with industry peers and experts, further enriching the learning experience. Upon completion, participants will receive a certificate recognising their commitment to energy efficiency.

Contact person [Piyush Sharma](#)

Project description

The BMZ funded Energy Efficiency in Industry and Data project seeks to improve the ability of companies in the non-PAT industries in India's steel and pulp & paper industries to implement energy-efficiency measures.

» [Promoting energy efficiency in Indian industry - giz.de](#)



10 journalists strengthen knowledge on just energy transition

Vietnam



“Journalism and Just Energy Transition” Press Trip in Binh Thuan and Ninh Thuan provinces © GIZ ESP

Trung, a mid-career journalist from NhanDan Online, thought he had a firm grasp on Vietnam’s energy sector - until he joined the “Journalism and Just Energy Transition” press trip. Faced with complex technical terms, policy intricacies, and evolving challenges, Trung realised that his previous reports barely scratched the surface. The rapidly changing landscape of renewable energy, along with the need for accurate, engaging storytelling, left him questioning his own approach.



“Journalism and Just Energy Transition” Press Trip in Binh Thuan and Ninh Thuan provinces © GIZ ESP

During the three-day trip from September 23- 25, 2024, in Binh Thuan and Ninh Thuan provinces, Trung - along with nine other journalists - received firsthand knowledge from energy experts, enterprises, and vocational schools. This hands-on experience not only resolved Trung’s doubts but ignited a newfound commitment to writing in-depth stories on energy transition.

Armed with fresh insights, Trung is ready to shed light on the country’s renewable energy journey, bringing clarity to a complex, but crucial, topic for the public.

Contact person [Vu Chi Mai](#)

Project description

The Clean, Affordable and Secure Energy for Southeast Asia (CASE) project aims to support Southeast Asian partner countries in the transition to a future energy system that provides reliable and affordable energy to the people while increasing political ambition to comply with the Paris Agreement.

[» Home - CASE for Southeast Asia](#)



Indonesia Sustainable Energy Week 2024: United Towards a Sustainable Energy Future



Group picture of onsite participants and speakers during 4th day of ISEW 2024 © GIZ/EnergyHub

In fostering the advancement of clean and affordable energy, the Indonesia Sustainable Energy Week (ISEW) was successfully held on 10-13 September 2024 in Jakarta. The forum represented and showcased the many collaborative efforts of Germany and Indonesia in achieving energy transition. Bringing together a broad range of stakeholders to exchange ideas and have in-depth discussions, the conference promoted innovative solutions for Indonesia to reach its energy targets.



The 3rd Indonesia Sustainable Energy Week (ISEW) 2024 - Day Four Note: language use is mixed between Bahasa Indonesia and English | YouTube-Screenshot

Jointly hosted by the Ministry of Energy and Mineral Resources (MEMR) and the Ministry of National Development Planning (Bappenas), ISEW 2024 focused on the theme of "United Towards a Sustainable Future: Advancing the Energy Transition for Indonesia Emas and Net Zero Emissions" and gathered a total of 7.521 onsite and online participation throughout the four days.

With each day highlighting different subtopics to bridge the gaps between cross-cutting energy and non-energy stakeholders, it was participated by government institutions, private sector companies, academia, development agencies as well as civil society groups. The event explored integrated policy planning, cross-sector collaboration, renewable energy solutions for industry, buildings, and communities, innovative private-sector projects and highlighted the importance of inclusive energy transition strategies, especially for remote areas and communities.

Contact person [Dadang Kurnia](#)

Project description

The Indonesian-German Energy Cooperation Hub (Energy Hub) has the mandate to represent Germany and Indonesia's energy partnership, to foster exchanges between the two governments and energy stakeholders as well as to provide energy sector expertise in addition to existing projects.

While implemented by GIZ and funded by BMZ & BMWK of Germany, the Energy hub also aims to support implementation organizations under the Indonesian-German cooperation framework in Indonesia.



Accelerating Thailand's Energy Transition: Key Insights from BESS and Energy Modelling Kick-Off Meetings from GIZ EM "Partnerships to Accelerate the Global Energy Transition" (PACT)

Thailand, Global



GIZ x NZW BESS Knowledge Sharing platform kick-off meeting © Net Zero World Initiative

This October, GIZ and US Net Zero World (NZW) Initiative, under the PACT project, kicked off the Battery Energy Storage System (BESS) Knowledge Sharing Platform. GIZ Thailand emphasized the crucial role of battery storage in bringing climate action into action and improving the power sector. In addition, GIZ-NZW collaboration highlighted the need for international and regional collaboration to reinforce Thailand's role as a regional leader by building partnerships with US agencies & labs.



GIZ x NZW Community of Practice (CoP) kick-off meeting © Net Zero World Initiative

The second kick-off meeting focused on the Community of Practice (CoP) for energy modeling, held at Thailand's "Energy Policy and Planning Office" (EPPO), addressing data acquisition challenges. EPPO, with support from NZW & GIZ, has already made progress in models for energy forecasting, starting with the cement industry and aiming to develop this workstream further.

Key outcomes will include establishing platforms to address gaps in Thailand's energy transition, with a timeline for impact through 2025. Cross-sector collaboration and data sharing were identified as crucial for sustainable solutions.

Contact person **Chatchanis Kasemwong**

Project description

PACT aims to accelerate energy transitions in partner countries by fostering partnerships with international initiatives. It promotes renewable energy deployment and energy efficiency improvements, focusing on collaboration with US Net Zero World (NZW) and supporting climate targets through decarbonisation strategies.



Indonesia's Gateway in Transitioning Towards Low-Carbon Hydrogen

Indonesia



Kick-off Meeting: Academic Draft on Hydrogen in Jakarta, August 21st, 2024 © GIZ

Indonesia is striving towards energy transition and committed to reduce its GHG (Greenhouse gases) emissions by 31.89% unconditional or 43.2% conditional. Owing an important role to play in Indonesia's energy transition strategy, green hydrogen is estimated to contribute 21 gigawatts by 2060, replacing gas-fired power plants from 2051.

In this regard, GIZ is supporting the Directorate General of New, Renewable Energy, and Energy Conservation of the Ministry of Energy and Mineral Resources of the Republic of Indonesia in developing an academic draft on hydrogen which acts as a study prior to the draft proposal of the hydrogen regulation. Involving related ministries, academia, and hydrogen business players, a kick-off meeting was held to introduce them to the academic draft project. This study serves as an underlying basis of the proposed regulation, aiming to present problems, facts and figures. Moreover, the proposed regulation is aimed to answer the problems stated in the academic draft.

Contact person [Rizma Kristiana](#)

Project description

The strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE) project

advises on renewable energy policies and financing instruments and supports coordinated implementation across key actors.

» [Strategic Exploration of Economic Mitigation Potentials through Renewables \(ExploRE\) - giz.de](#)



... EUROPE ...

Bridging the gap between civil society and policymakers

Federal Minister Robert Habeck visits event organised by GIZ at international fair in Thessaloniki, Greece



Trip of BMWK to Thessaloniki @dominikbutzmann

What measures are essential for a fair and effective green transition?

This crucial question was one of the topics discussed during the EUKI Academy session at the Thessaloniki International Fair (TIF) with Federal Minister Robert Habeck. He underlined the importance of civil society engagement and cross-border cooperation in achieving climate neutrality by 2050 and highlighted the role of EUKI in supporting innovative ways to implement new climate policies.



EUKI-Banner © EUKI

This year's TIF, which took place from 7 to 15 September, featured Germany as the host country. The EUKI Secretariat, implemented by GIZ, participated with a stand and organised two panel discussions. Of particular note was the exchange between the Greek Minister of Energy, Theodore Skylakakis, and representatives of Greek EUKI projects about Energy Communities.

Through its presence at the fair, EUKI aimed to bridge the gap between civil society and policy makers, in order to strengthen the collaborative efforts needed for a just green transition.

Contact person [Oliver Hölcke](#)

Project description

The German Federal Ministry for Economic Affairs and Climate Action (BMWK) launched the European Climate Initiative (EUKI) in 2017 to mitigate greenhouse gas emissions and advance cooperation on climate action in Europe. Since then, we have funded 213 cross-border climate projects and created an active network with 440 organisations in 31 European countries.

» [Home - EUKI](#)

Further information

» [Federal Minister Robert Habeck visits the EUKI at Thessaloniki International Fair 2024 - EUKI](#)



2024 Just Transition Forum discussed the core aspects of a fair energy transition in the Energy Community region

Pristina/Kosovo, 09. October 2024

Energy Community Contracting Parties including Albania, Bosnia-Herzegovina, Georgia, Kosovo, Moldova, Montenegro, North Macedonia, Serbia, Ukraine



2024 Just Transition Forum - Panel discussion: "One day in mining" © Energy Community Secretariat

The Energy Community is an international organisation which aims to extend the EU internal energy market rules and principles to its Contracting Parties. Most Contracting Parties are heavily reliant on coal-generated power, being the cause for some of the most air polluted regions in Europe. Robust policies, structured governance and targeted financing mechanisms are needed to facilitate a just and inclusive transition away from coal.



The voice of miners from the municipality of Obiliq/Obilić – Video contribution to the 2024 Just Transition Forum © GIZ

The Energy Community Just Transition Forum constitutes an annual dialogue about these core aspects of a just transition among stakeholders from national and local governments, IFIs, trade union representatives, NGOs and academia. This year's edition attached importance at giving those a voice who are rarely present in respective discussions and who will be at the centre of the change: coal workers, community- and youth representatives.

The event made clear that engaging them and addressing their needs will be key for a more

sustainable and equitable energy future in the region.

Contact person [Anja Rosenberg](#)

Project description

IKI-funded, the regional GIZ program "Capacity Development for Climate Policy in South-eastern, Eastern Europe, Southern Caucasus and Central Asia, Phase III (CDCPIII)" financed the 2024 Energy Community Just Transition Forum. The project cooperates with the Energy Community Secretariat on the basis of a Memorandum of Understanding (2019) and seconds an expert to the Secretariat supporting respective activities.

» [Developing capacities for climate policy in Southeast & Eastern Europe, South Caucasus and Central Asia](#)

Further information

» [The Just Transition Forum in Pristina highlights pathways for a fair energy transition in the Energy Community region - Energy Community Homepage \(energy-community.org\)](#)



Powering Resilience: Stromnetz Berlin donates 31 transformers to Ukraine's energy grid

Ukraine



Donated transformers are on their way to Ukraine © Pedro Beccera

Strengthening Ukraine's energy system is not just about protecting against darkness during attacks but also about symbolising resilience and hope for recovery.

Stromnetz Berlin GmbH has donated 31 transformers to Ukraine. After previously donating 40 transformers in 2023, once again, the company has responded to the call for donations as part of the German-Ukrainian Energy Partnership.

The donated transformers, will significantly help to restore energy stability in Ukraine and, provide electricity to around 8,000 people.

“Functional infrastructure is a key part of this daily life. Ukrainian network experts' work under challenging conditions for so long is a tremendous achievement. We hope our 31 transformers will assist our Ukrainian colleagues in restoring electricity in the affected areas,” Dr. Erik Landeck, Chairman of the Management Board of Stromnetz Berlin GmbH Berlin says.

As part of the project “Just Transition & Green Energy Sector Recovery Ukraine” over 8,000 technical goods were delivered to Ukraine. This enabled the energy supply for around 550,000 Ukrainians to be restored and is organised under the umbrella of the German-Ukrainian Energy Partnership.

Contact persons [Katharina Schaake](#)

Project description

Germany and Ukraine work jointly on enhancing energy efficiency, promoting modernisation of energy infrastructure and expanding the use of renewable energy. The Energy Partnership addresses all these vital issues. Since the start of the Russian invasion, it also provides the Ukrainian energy sector with emergency help.

Further information

- » [The German-Ukrainian Energy Partnership | Energy Partnership Ukraine \(energypartnership-ukraine.org\)](#)
- » [Stromnetz Berlin donates further transformers for Ukraine](#)



••• MENA •••

Deepened Energy Cooperation between MENA and Europe: MEFED 2024

Strong energy partnerships are a significant step in ensuring future energy security and facilitating the global energy transition
Germany, Greece, MENA region



Group picture of the organisational team with Minister Habeck © Dominik Butzmann/BMWK

Enhancing cross-regional energy collaboration is vital for achieving global climate goals and ensuring a sustainable and affordable energy supply. To deepen cooperation in this area and enable mutual economic and environmental benefits, high-level decision-makers from Europe and the MENA region met at MEFED 2024 (MENA Europe Future Energy Dialogue). The conference was hosted by Minister Habeck and his Greek counterpart Minister Skylakakis.

The Climate and Energy Partnership countries in the MENA region have abundant renewable energy resources, not only unlocking benefits for the local sustainable energy transformation but also creating significant export opportunities to help transform energy sectors in the EU.

During the conference, multinational panels examined key questions regarding the acceleration and financing of energy infrastructure development between regions, as well as the strengthening of regional cooperation. The results are reflected in the Thessaloniki Declaration, agreed upon by the co-hosts and further countries of both regions.

Contact person [Anne Persicke](#)

Project description

The bilateral Climate and Energy Partnerships (CEP) of the Federal Ministry for Economic Affairs and Climate Protection (BMWK) facilitate the political dialog between Germany and key partners on energy transition. The CEPs promote a platform for climate-friendly energy trade, the exchange of technology and broaden supply chains to make them more resilient.

» [Bilateral Climate and Energy Partnerships | Climate and Energy Partnerships](#)

Further information

» [MEFED 2024 \(mena-europe-energy.com\)](#)

» [Bilateral Climate and Energy Partnerships | Climate and Energy Partnerships](#)



TaqatHy fosters Skills for PV Development and Green Finance in Algeria



CNA Workshop for PV development & Green Finance – Algeria 10.2024 @ HiveDigit for TaqatHy

On October 13, 2024, TaqatHy "Technology and Socioeconomic Development for Renewable Energies and Green Hydrogen" of GIZ Algeria, in partnership with the Ministry of Energy and Mines and commissioned by BMZ, hosted a workshop to present the findings of a Capacity Needs Assessment in PV energy and green finance, conducted in collaboration with RENAC "Renewables Energy Academy-Berlin".

The assessment identified critical skills gaps and facilitated the development of a long-term strategy, and a concise programme targeted at the major stakeholders within the sector, including elements for training of trainers.

The presentation workshop convened key stakeholders, with the aim of fostering enhanced collaboration between Algerian institutions and promoting growth in these important sectors. Through strengthened partnerships and clearly defined next steps, TaqatHy is poised to support the advancement of Algeria's green energy and hydrogen markets.

Contact person [Elisabeth Gager](#)

Project description

TaqatHy - Technology and socio-economic development for renewable energies and green hydrogen in Algeria.

Further information

» [Shaping economic prosperity through renewable energies and green hydrogen - giz.de](#)



Towards carbon neutrality for the Mediterranean

Together toward a more sustainable future

Tunisia, MENA Region, Mediterranean Countries



DecarboMed Official Launch with Key Stakeholders from the decarbonization and Energy Sector © DecarboMed

First Edition of DecarboMed 2024, held in Tunisia last September, brought together the main voices from Tunisia and the Mediterranean on decarbonisation.

The gathering was an opportunity for major stakeholders from private sector companies, public institutions, and regional and international organisations to discuss insights related to decarbonisation, energy efficiency, renewable energies, green hydrogen, electric mobility and to enhance their engagement toward energy transition and carbon neutrality goals.

As an initiative of the Tunisian Agency for Energy Conservation (ANME) and the Tunisian Union of Industry, Trade and Handicrafts (UTICA), DecarboMed was carried out in partnership with the European Union (EU), the United Nations Development Programme (UNDP) and the German Agency for International Cooperation (GIZ).

DecarboMed in figures:

- 15 sessions
- 145 experts
- 2326 participants
- 78 panelistes
- 31 exhibitors
- 22 countries represented

It also saw the launch of the " DecarboAct" digital platform, which supports Tunisian companies in their transition to low-carbon and climate resilient economy.

Stay tuned for DecarboMed 2025 2nd edition, which will be held in Algeria next year!

contact persons [Rihab Ben Yaghlane](#) and [Amin Chtioui](#)

Project description

In cooperation with the country's Ministry of Energy (MIME), the Tunisian National Energy Agency (ANME) and the Tunisian Company of Electricity and Gas (STEG), the project Supporting an accelerated energy transition in Tunisia supports the acceleration of the energy transition in Tunisia.

» [Supporting an accelerated energy transition in Tunisia - giz.de](#)



••• GLOBAL •••

The International Forum for Coal Regions in Transition comes to South Africa

Advancing international collaboration to support just transitions away from coal
Chile, Colombia, Mongolia, Indonesia, Thailand, Vietnam, and South Africa



The opening of the International Forum for Coal Regions in Transition in Pretoria, South Africa © Jess Meniere

How can we ensure a just transition away from coal that puts people and communities at its centre? This guiding question brought changemakers from coal regions around the world to Pretoria, South Africa, for knowledge exchange and peer-to-peer learning. Delegates from Chile, Colombia, Indonesia, Mongolia, Thailand, and Vietnam—representing governments, trade unions, civil society, and the coal sector—shared their experiences, discussing both the successes and challenges in advancing just transition efforts.



Screenshot of the Just Energy Transitions in Coal Regions Knowledge Hub © 2024 International Institute for Sustainable Development

Representatives from South Africa’s regional and national governments presented the country’s just transition approach, focusing on the significance of community engagement across coal-dependent regions like Mpumalanga. Labour voices stressed the importance of effective consultation and the role of small, medium, and micro enterprises (SMMEs) for economic diversification.

By fostering meaningful dialogue, the forum strengthened collaboration on implementing successful just transitions across the Global South.

Contact person [Philipp Schattenmann](#)

Project description

The IKI JET project supports coal-dependent regions in tackling socio-economic challenges of energy transitions through social dialogue, setting early structural change, and developing concrete socio-economic perspectives outside the fossil economy, creating a positive alternative narrative for these regions.

» [Innovation Regions for a Just Energy Transition - giz.de](#)

» [Just Energy Transitions Knowledge Hub | Resources for Sustainable Change \(jetknowledge.org\)](#)



Green Hydrogen Derivates and Local Value Chains: From Vision to Action

Hamburg Sustainability Conference kicks off crucial alliances and cooperation agreements in the transportation sector as well as benefits for BMZ partner countries in hard-to-abate sectors.



Minister, CEO and NGO discussing on green hydrogen/ derivatives value chains and their role in manufacturing, aviation and maritime shipping

(from right to left Svenja Schulze, Minister BMZ; Mirja Nibbe, CEO, CMA CGM; Bud Darr, CSO, MSC; Peter Prengaman, Moderator) © Hamburg Sustainability Conference

Nearly 6% of global CO₂ emissions come from the shipping and aviation sectors, which need to reach zero by 2050. Green hydrogen-based fuels, such as e-methanol and ammonia, are key alternatives, but current initiatives lack momentum.

The Hamburg Sustainability Conference, hosted by BMZ, spurred progress by launching two crucial alliances: the “Hamburg Declaration on the Decarbonisation of Global Shipping” and the “Hamburg Declaration on Green Aviation.” These agreements were preceded by high-level discussions involving BMZ Ministers, private sector CEOs, and leaders



High level signing ceremony of cooperation agreements concerning green hydrogen and derivatives © Hamburg Sustainability Conference

from multilateral institutions.

The importance of cooperation was emphasized, with groundwork now laid for future collaborations. Additionally, discussions centered on how BMZ partner countries can benefit from new global hydrogen value chains, emphasizing the need for geopolitical balance. SV EKORE supported BMZ and is eager to continue with the follow-up process. Stay tuned for updates!

Contact persons [Zafer Koc](#) and [Verick Schick](#)

Project description

E-KORE supports the BMZ in advancing and implementing the global promotion of the energy transition. The initiative systematically compiles experiences from the implementation of the global energy transition and integrates these insights into the work of the BMZ.

The initiative also aids in developing tailored implementation concepts, advises on strategic issues, and strengthens the networking of German development cooperation with international partners.

» [Advancing the global energy transition](#)

Further information

» [Hamburg Sustainability Conference 2024 - Home \(sustainability-conference.org\)](#)

» [Head of international shipping regulator says industry must do more to cut carbon pollution | AP News](#)



Sustainable shipping and aviation moving ahead

India, Kenya, Kazakhstan, Morocco and South Africa to produce e-fuels



Kenyan officials visiting the port of Mombasa as part of the PtX Hub training course on Power-to-X for sustainable shipping © International Power-to-X Hub

Demand from aviation and shipping might be the lever to kick-start a large-scale production of sustainable fuels, which is why the PtX Hub is currently focusing its efforts on these hard-to-abate sectors. Two high-level side events at the Hamburg Sustainability Conference and the IAPH World Port Conference, highlighted the role of fuels, ports, and cooperation in greening shipping.



Find our resources on sustainable aviation and shipping in the PtX Hub Knowledge Base © 2024 PtX Hub

A study tour with Kenyan and South African delegates facilitated connections with German institutions. In partnership with the Kenya Maritime Authority and the International Maritime Organization's GreenVoyage2050 project, a green shipping week in Nairobi featured a training, re-established the Task Force to develop Kenya's National Action Plan for green shipping and kicked off a pre-feasibility study for a Green Shipping Corridor. Recent shipping and aviation weeks also took place in India, Kazakhstan, and South Africa, with the next in Greece. In Morocco, the PtX Hub is supporting an e-methanol pilot plant.

Contact person [Maren Schoettler](#)

Project description

The International PtX Hub is a centre of expertise and collaboration for innovative and sustainable green hydrogen and Power-to-X value chains. Through policy and regulatory advice, training, and cross-sectoral stakeholder dialogues, the PtX Hub advocates for hydrogen and PtX approaches that promote sustainable market development.

» [PtX Hub Website](#)

Further information

» [International PtX Hub](#)



Decarbonising Local Industry in Cambodia and Côte d'Ivoire with Energy Efficiency Solutions

New sector analyses explore opportunities for providers of energy efficiency technologies

Advancing climate-friendly energy solutions



with the
Project Development Programme

The Project Development Programme (PDP) – How does it work? © BMWK

Cambodia and Côte d'Ivoire present significant opportunities for energy efficiency solutions, with both countries aiming to decarbonise their local industries and enhance sustainable development.

Cambodia has set an ambitious target of reducing energy consumption in industry and commerce by 20% until 2030. Key sectors such as textiles, rice processing, construction, and ice production hold potential for energy savings of up to 40%, making the country ripe for implementing advanced energy-efficient technologies.

Côte d'Ivoire's agro-industrial sector, a driving force of the economy, also shows strong potential for decarbonisation. With rising energy prices and regulatory support, industries such as cocoa, sugar, and cashew processing could see energy savings of up to 20%.

The latest sector analyses from the Project Development Programme (PDP) delve into these opportunities, offering insights into key areas with strong demands for energy-efficient solutions in both countries. Technology providers and solutions 'Made in Germany' are well-positioned to support this transformation, thereby empowering local industries and fostering sustainable growth.

Contact persons [Domenica Edriss](#)

Project description

The Project Development Programme (PDP), as a key pillar of BMWK's German Energy Solutions Initiative, operating at the intersection of development cooperation and private sector engagement at the local level. The PDP team collaborates with the C&I sector in developing countries to develop climate-friendly energy projects in the fields of photovoltaics, battery storage, energy efficiency, process heat, and green hydrogen. It provides free and neutral advice to local companies, facilitates connections with solution providers registered in the German Energy Solutions Initiative, and promotes market development through trainings, studies, and reference projects.

Further information

Sector Analyses Cambodia: » [Sector Analysis – Cambodia Energy Efficiency Technologies in Commercial Buildings and Industries](#)

Sector Analyses Côte d'Ivoire: » [Analyse Sectorielle Côte d'Ivoire Efficacité énergétique dans le secteur agro-industriel](#)



Mentoring Programme for development of energy female talents

A mentoring programme for female talents of Vietnam Electricity launched, expectedly supporting them with personal and leadership development through one-on-one mentorship



Representatives exchanged at the kick-off meeting of the Mentoring Programme. Read the full article on the GIZ Energy Support Programme website © GIZ Viet Nam

GIZ Energy Support Programme (ESP), in collaboration with the Viet Nam Energy Women Network (VEWN), held a kick-off meeting on August 12, 2024, for a Mentoring Programme, which aims at developing female talents within Vietnam Electricity (EVN).

The programme will support EVN's female staff with personal and leadership development through one-on-one mentorship, fostering a culture of continuous learning and encouraging female staff to contribute to EVN's growth. The initiative will be implemented in two phases: Phase 1 (July to October 2024) focuses on needs assessment, content development, and digital integration; Phase 2 (early 2025) will pilot the programme at selected EVN companies.

The programme is part of the Bilateral Climate and Energy Partnership between Viet Nam and Germany, funded by the German Federal Ministry for Economic Affairs and Climate Action (BMWK).

Contact person [Markus Bissel](#)

Project description

Within the framework of a climate and energy partnership, Germany works with a partner country on a range of energy, climate and economy topics. Key areas include the expansion of renewable energy and its integration into the system, increasing energy efficiency, the integration of joint climate instruments such as carbon pricing, and navigating the ecological and social dimensions of this transition. The focus of cooperation is also increasingly on energy security. Partnerships are based on a signed declaration of intent.

[» Home - ESP](#)

Further information

[» GIZ Energy Support Programme](#)



PUBLICATIONS

IEA - From Taking Stock to Taking Action: How to implement the COP28 energy goals

This paper analyses the outcomes of the COP28 climate conference in December 2023, where 200 countries agreed on ambitious global energy transition targets. These comprise pillars for achieving net-zero emissions in the energy sector by 2050, namely moving away from fossil fuels, tripling renewable energy capacity by 2030, doubling energy efficiency and promoting low-emission technologies. It examines the potential impacts of full implementation of these targets, explores the risks of partial adoption and discusses the importance of translating the COP28 targets into Nationally Determined Contributions under the Paris Agreement. The paper also highlights the challenges associated with investing in clean energy and the need for continued multilateral cooperation to achieve progress. Published in September 2024.

» [IEA - From Taking Stock to Taking Action: How to implement the COP28 energy goals](#)

Ukraine's Energy Security and the Coming Winter - An energy action plan for Ukraine and its partners

The IEA Special Report 'Ukraine's Energy Security and the Upcoming Winter: An Energy Action Plan for Ukraine and its Partners' provides an overview of current developments and risks in the energy sector for the coming winter and presents an action plan for Ukraine and its partners. The recommendations largely build on existing processes and emphasise both urgent supply and repair measures as well as structural changes to improve long-term energy security. The authors emphasise that minimising further damage is essential to maintaining the stability of Ukraine's energy supply. Published September 2024.

» [Ukraine's Energy Security and the Coming Winter - An energy action plan for Ukraine and its partners](#)

IEA RENEWABLES 2024 - Analysis and forecast to 2030

The IEA's 'Renewables 2024' report provides projections for the deployment of renewable energy in the electricity, transport and heat sectors up to 2030 and identifies the key challenges facing the sector and the barriers to faster growth. Following the COP28 commitments, the report provides country-level analyses of progress in renewable energy and energy efficiency up to 2030 and assesses the challenges to expansion. It also outlines the role of bioenergy, hydrogen, and e-fuels in the global energy transition. Published shortly before COP29, the report reviews progress towards the COP28 renewable energy targets and shows that renewables are a growing primary energy source across all sectors. Published October 2024.

» [IEA RENEWABLES 2024 - Analysis and forecast to 2030](#)

World Energy Outlook 2024

The IEA's World Energy Outlook 2024 provides authoritative global energy analysis, highlighting major trends in energy demand and supply, with a focus on energy security, emissions, and economic impacts. Set against escalating Middle East risks and global geopolitical tensions, this year's Outlook examines clean energy transition challenges, progress, and the steps needed to meet climate goals. It includes three main scenarios with sensitivity cases on renewables, electric mobility, LNG, and the impacts of heatwaves, efficiency policies, and AI on electricity demand. Published October 2024.

» [World Energy Outlook 2024](#)

Building Sustainable Capacity for Climate Action in Africa - The Role of The NDC Support Centre

The white paper Building Sustainable Capacity for Climate Action in Africa from the NDC Support Centre—a joint initiative by the Africa Energy Commission (AFREC) and VITO—shares insights and best practices from three years of supporting African Union (AU) member states in climate action. It

highlights the role of Nationally Determined Contributions (NDCs), discusses AU-specific challenges, and reviews the impact of NDC Support Centre training programs, such as Energy System Modelling Training, offering concrete recommendations for action.

» [Building Sustainable Capacity for Climate Action in Africa - The Role of The NDC Support Centre](#)

Delivering on the UAE Consensus: Tracking Progress Toward Tripling Renewable Energy Capacity and Doubling Energy Efficiency By 2030

This report marks the first in a series of annual tracking publications commissioned by the COP28 Presidency to assess progress towards two key goals of the outcome of the First Global Stocktake: the tripling of renewable energy and the doubling of energy efficiency by 2030.

» [Delivering on the UAE Consensus: Tracking Progress Toward Tripling Renewable Energy Capacity and Doubling Energy Efficiency By 2030](#)



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(German only)

Job-ID:P1490V2093

Application Deadline: 12/31/24

» [Eschborn: Projektmanager*in für die Region Osteuropa, Kaukasus, Zentralasien und Türkei \(TR-EECCA\) – GIZ International Services](#)

(German only)

Job-ID:V000059952

Application Deadline: 11/10/24

» [Bonn, Berlin: Referendar*in für die CONNEX Support Unit](#)

(German only)

Job-ID: V000058740

Application Deadline: 08/30/25



INFORMATION and LINKS

GIZ – International Fuel Prices

To subscribe, please contact [Armin Wagner](#).

GIZ offers a range of company-wide and subject-specific newsletters, e.g. on the topics of 'Transport and Mobility', 'Low Emission Development & Renewable Energy' (English/French), and many more. The various newsletters are listed on » [GIZ's newsletter description page](#).

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» [The Global Energy Transformation Programme - GET.Pro](#)

» [Energising Development – EnDev](#)

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» [IEA](#)

» [SE4ALL](#)

» [Powering Agriculture \(energypedia.info\)](#)

» [German National Hydrogen Council \(NWR\)](#)



IN A NUTSHELL

H2 Strategies

The Working Group H2-Strategies, comprising GIZ colleagues from bilateral and global projects, has published a document outlining guidelines for hydrogen strategies in the partner countries of the German Development Cooperation. The guide serves as an orientation for GIZ employees, enabling them to better advise political partners on the design and implementation of hydrogen strategies. Internal link, only for GIZ staff:

» [Guidelines for National Hydrogen Strategy](#)

Green People's Energy (GBE)

After six successful years (10.2018-09.2024), the Green People's Energy (GBE) project term has come to an end, but the spirit continues. The most important information concerning GBE can be found at GBE-Knowledge-hub on Energypedia.

» [Energypedia](#)

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