

CHALLENGE 2025

DIGITAL ENERGY

Five years
of commitments

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Five years
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« Digital Energy is AFD Group's strategic response to the challenge of digital transformation for local electricity utilities in Africa. This initiative highlights our commitment to ensuring access for all to reliable, modern and affordable energy services, in line with Sustainable Development Goal 7 and Mission

300. Supported by the European Union and the French Agency for Ecological Transition (ADEME), Digital Energy offers funding and networking solutions tailored to energy access players, aligned with Europe's Global Gateway strategy. With €2.5 billion in financing dedicated to energy in 2024, AFD Group is diversifying its actions to meet its partners' growing needs. Digital Energy aims to be a lever for building a more reliable, inclusive and sustainable energy future. »

Bertrand Walckenaer

AFD Group Deputy CEO



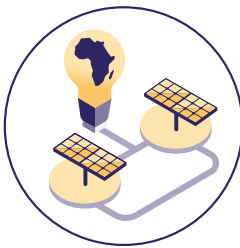


Under current policies, it is estimated that 670 million people will remain without electricity by 2030. In Africa, this is a priority issue for public policy: more than 8 out of 10 people on the continent do not have access to electricity.

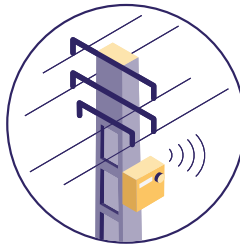
Digital Energy: a dedicated program to catalyze Africa's energy transition through digital innovation

Since 2020, AFD has contributed to Mission 300, which seeks to electrify 300 million people in Africa by 2030, by implementing the Digital Energy programme with the support of the European Union and ADEME.

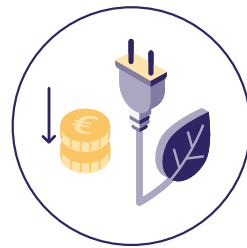
Supporting the digitalisation & modernisation of the energy sector in AFD's countries of intervention and accelerate electricity access on **3 key domains**:



Universal electricity
access and mini-grids



Efficient network
management



Resilience & decarbonization
of electricity systems

The aim : Offer a full range of instruments to **support African energy operators and start-ups in their digitalization process**: technical assistance projects, calls for projects, networking opportunities and seed financing.

Our results : Since its launch in 2020, **more than 40 projects have been supported** through grants, loans or technical assistance, and more than a dozen public operators have been supported on their digital projects.

The Digital Energy Challenge & the Bootcamp

A special occasion to celebrate its laureates and discuss burning topics of the sector



Since 2020, the Digital Energy Challenge, **supported by the European Union and ADEME**, has been driving the development of **innovative digital solutions** that enhance **energy access**, integrate renewable energy sources and improve the performance of utilities across Africa. Since its creation, the Challenge has supported **41 Start-ups and Public Power Utility projects**.

This year's Bootcamp & Award Ceremony bring together the **5 Start-ups and Public Power Utilities of the 5th edition of the Challenge**, former winners, prominent players in Africa's energy access sector and guest speakers from the **European Commission, AFD Group, and ADEME** (French Agency for Ecological Transition).

In a nutshell

Alongside funding and technical assistance, Digital Energy offers incubation opportunities for laureates in an integrated approach, from financing to mentoring with I&P and Gaia Impact Fund. *To find out more*



Digital Energy
Challenge
FOR **START-UPS**

26
Start-ups

Digital Energy
Challenge
PARTNERSHIP

15
Projects



€8.1M
Grant & TA



in partnership with

€4.0M
for 13 start-ups
with the seed fund

Gathering people, projects & shared knowledge



19 countries impacted

Understanding local needs

Better grasp field realities, operators' priorities, and intervention contexts to adapt innovations.



400 members

Exchange of practices & knowledge

Create spaces for dialogue and experience feedback between peers to promote learning





Join the Digital Energy Platform & the Digital Energy LinkedIn group



Qualified network of actors united around the same ambition

Meet public actors, start-ups, donors, experts engaged in the digital transformation of energy.



Unprecedented resources

Access tools, studies, benchmarks, and exclusive content to support project development.



Meetings at dedicated events

Participate in meetings to exchange, create synergies, build skills, and collaborate.

Our start-ups' projects

Digital Energy
Challenge

FOR **START-UPS**

41 projects across Africa



Our partnerships projects

Digital Energy
Challenge
PARTNERSHIP

- Universal electricity access and mini-grids
- ▲ Efficient grid management
- Resilience and decarbonation of power systems

NIGERIA

● AEDC & BPS

SENEGAL

■ ASER & CPCS
▲ Senelec & Roseau Technologies

CAP-VERT

▲ Electra & INESC
P&D Brasil

BÉNIN

■ ARESS & MyJouleBox
▲ SBEE & Smarterise
▲ WAPP & IED Benin

TOGO

▲ CEET & Aplines

SAO TOME PRINCEPE

▲ EMAE & HartBR

SOUTH AFRICA

● eThekwni Municipality – Plentify

TUNISIA

▲ STEG & Nexus Analytica

TANZANIA

▲ TANESCO & Odit-e

COMORES

▲ SONELEC & Roseau Technologies

MADAGASCAR

▲ ANKA & UPYA Technologies

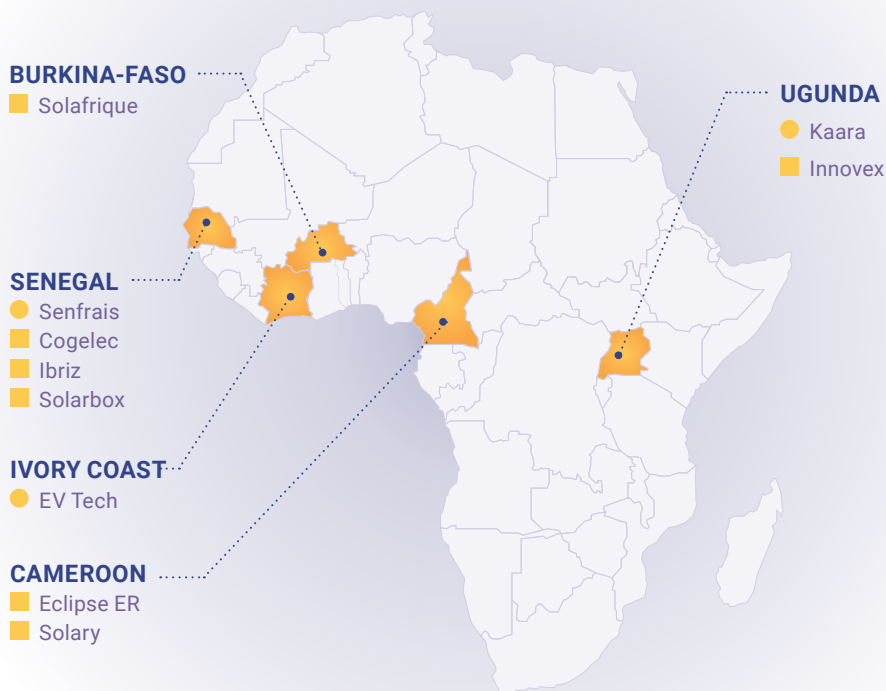
MOZAMBIQUE

■ FUNAE & Azimut360

Our I&P Digital Energy projects



10 projects across Africa



Digital Energy Partnership 2025

Digital Energy Partnership: fostering public-private partnerships to drive Innovation

The Digital Energy Partnership aims to promote collaboration between committed public actors and innovative companies to improve energy access and strengthen grid resilience.

Roseau Technologies x Senelec: a franco-senegalese alliance for the 2025 edition

This year, **Senelec**, Senegal's main energy provider, is at the center of the 2025 edition. Over the past 10 years, Senelec has significantly expanded its capacity, with 29% of its energy mix coming from renewables. Efforts to improve network accessibility and resilience have grown the customer base to **2.19 million in 2022**.

As part of its process optimization and digitalization, Senelec was looking for innovative solutions for the **real-time identification and mapping of grid connections**.

Roseau Technologies was selected as the technology partner for this edition.

Solution developed through this partnership:

An all-in-one platform for grid connections management and planning. A single platform enabling instant feasibility checks, online applications, optimized operator workflows, and data analysis to anticipate network reinforcement needs.



Roseau Technologies & Senelec

Edition : 2025

Countries : France, Sénégal

Grant : 500 k€

Projet contacts : Florent Cadoux, CEO – florent.cadoux@roseautechnologies.com / Louise Muller, Responsable projet – louise.muller@roseautechnologies.com / Ngor Sène, Senelec

Site : roseautechnologies.com & senelec.sn

Universal electricity access and mini-grids



ASER & CPCS

Awardee edition : 2021

Country : Senegal

Grant : 238 k€

Georeferencing and mapping method using AI for electrical distribution networks. The “RobotMapper” by CPCS will enable ASER to map out the network of a locality in real time, in just a few days, with greater precision thanks to AI.

Project supported by : O. Sarr (director of Studies/Project Lead, ASER) and R. Frandji (Project Manager CPCS)

Mail : bambaspoid@gmail.com

Website : <https://cpcs.ca>



HOGL

Awardee edition : 2021

Country : Rwanda

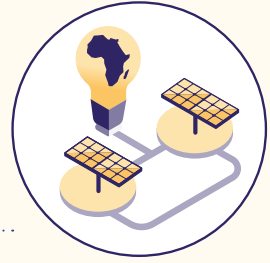
Grant : 94 k€

System that provides on-site operations assistance and remote monitoring of hydroelectric power plants. The HPPBot improves hydro powerplant production by monitoring the plant's operations and effectiveness. The onsite and remote dashboards display energy losses identified in the plant and suggest remedial actions.

Project supported by : B. Lacroix (Director)

Mail : bernard.lacroix@hogl.rw

Website : www.hogl.rw



Nanoé

Awardee edition : 2021

Country : Madagascar

Grant : 91 k€

Solar nanogrids for the 'lateral electrification' of rural areas.

Autonomous nanogrids that can power 4-6 households and can be connected together to form micro-grids or connected to a larger grid. Consumers use a mobile prepayment system for daily access and consumption.

Project supported by : N. Le Saux (Co-founder)

Mail : nolwenn.lesaux@nanoe.net

Website : www.nanoe.net

**DIGITAL
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AWARDEE
2021**

TFE Energy

Awardee edition : 2024

Country : South Africa

Grant : 150 k€

Improving access to finance for digital innovators and small businesses.

Software designed to automate and standardise risk assessment to improve access to finance for mini grid projects.

Project supported by : Dr S. Duby (Project Manager) and H. Mahouli (Expert Fund Structure & investing)

Mail : sam@thefutureof.energy

Website : www.tfe.energy

Universal electricity access and mini-grids



FUNAE & Azimut 360

Awardee edition : 2022

Country : Mozambique

Grant : 336 k€

Digital tool that improves data acquisition process, design, operation, maintenance and monitoring of mini-grids. Azimut 360 will create a digital tool that facilitates data collection and optimizes the design and operation of mini-grids in remote areas.

Project supported by : M. Gil (Project manager), A. and F. Mondlane (Advisor, FUNAE)

Mail : mireia.gil@azimut360.coop

Website : <https://funae.co.mz>



Powerstove Offgrid Electricity Ltd

Awardee edition : 2021

Country : Nigeria

Grant : 100 k€

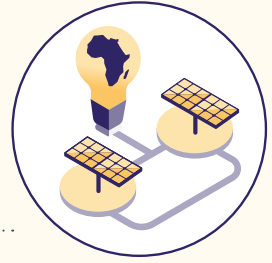
Biomass-based cooking stoves that generate electricity.

Smart smokeless stoves using various fuels such as biomass pellets or woodchips burning 70 % less biomass than traditional ones. They can cook food 5 times faster and generate electricity, allowing off-grid households to charge small appliances.

Project supported by : O. Esse (CEO & Project Leader)

Mail : okeyesse@yahoo.com

Website : <https://powerstove.africa>



PAM Africa

Awardee edition : 2023

Country : Nigeria

Grant : 147 k€

Mini-grid optimisation platform with dynamic tariffs.

Multi-purpose platform based on real-time data collection and analysis on energy demand in order to generate dynamic tariff to tackle high electricity tariffs for the final consumers.

Project supported by : P. Agese (CEO)

Mail : patrick.agese@pamafrica.com

Website : <https://pamafrica.com>



Gret

Awardee edition : 2023

Country : Madagascar

Grant : 150 k€

Digitisation of a social energy operator to extend sustainable electricity distribution to rural areas of Madagascar.

Deploying a network of IoT sensors in a hydropower plant for two rural municipalities that will improve monitoring and reduce lead times for failure identification.

Project supported by : E. Sahondralalaina (PM)

Mail : sahondralalaina.mg@gret.org

Website : <https://gret.org/en>

Universal electricity access and mini-grids



Green Innovation Ventures Enterprises Ltd

Awardee edition : 2022

Country : Kenya

Grant : 138 k€

An IoT platform to impulse the full benefits of electrification. The IoT platform PowerPay aims to tackle the problem of high prices of household appliances enabling consumers to purchase equipment in small, manageable mobile installments and track energy consumption.

Project supported by : G. Kimiti (Executive Chairman)

Mail : kimiti@powerpayafrica.com

Website : www.greeninnovationventures.com

solarbox

Solarbox

Prize : I&P Digital Energy

Country : Senegal

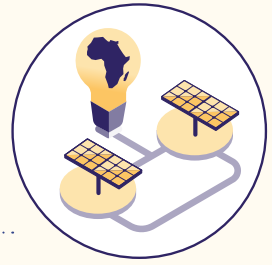
Affordable, innovative electric mobility solutions.

Solarbox serves fleet managers/owners and logistic companies going electric for 2-wheeled vehicles and tricycles. It also converts shipping containers into solar charging point for its electric vehicles.

Project supported by : T. Watt (CEO)

Mail : tijan@wuri.vc

Website : www.solarbox.energy



Innovex

Prize : I&P Digital Energy

Country : Uganda

A smart meter coupled with an IoT solution. Using an IoT cloud based platform, REMOT, that delivers digital solutions for off-grid Photovoltaic installations of different types, use cases and sizes in solar home systems and solar for productive use settings.

Project supported by : D.K. Baguma (managing Director) and D. Tusubira (cofounder)

Mail : douglasbaguma@innovex.org

Website : <https://innovex.org>



Aress & MyJouleBox

Awardee edition : 2023

Country : Benin

Grant : 229 k€

A digital surveillance solution to optimize mini-grid performance in remote areas. Deployment of an innovative tool for managing solar energy for energy operators, on nine solar mini-grids located in hard-to-reach areas in northern Benin.

Project supported by : C. Cadoret (CFO, MyJouleBox) and L. Michael (Sinsin, Managing Director, ARESS)

Mail : charlotte.cadoret@myjoulebox.com

Website : <https://en.aress.solar>

Universal electricity access and mini-grids



Nomadesoft

Awardee edition : 2021

Country : Senegal

Grant : 81 k€

A mobile application to optimise irrigation by solar water pumps.

Development of a Smart Farming Assistant providing farmers with clean, smart and more economic irrigation systems. The app also offers advice on agricultural matters through podcasts and videos.

Project supported : M. Fall (CEO & Project Lead)

Mail : momarfa68@gmail.com

Website : linkedin.com/company/nomadesoft



Evolve Battery & Grid Solutions

Awardee edition : 2023

Country : South Africa

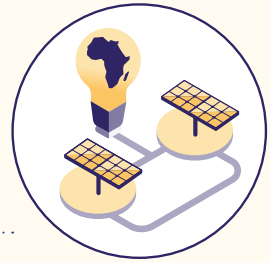
Grant : 150 k€

A virtual power plant with batteries to avoid power cuts and rationing. Evolve, a virtual power plant meant to create an intelligent and interconnected web linking thousands of batteries and solar facilities to manage load and demand, and provide support services.

Project supported by : V. Mallet (Founder/CEO)

Mail : vmallet@catalyst-energy.com

Website : <https://evolve-bgs.com>



Vittoria Technology

Awardee edition : 2022

Country : South Africa

Grant : 150 k€

Software-enabled “Storage-as-a-Service” solution offering advanced battery leasing for mini-grids. Battery Bank Africa is an innovative digital platform providing a full battery leasing service to mini-grids including sizing optimisation of storage solutions, battery and battery monitoring.

Project supported by : L. Murphy (Co-founder)
and N. Sermonis (Co-founder)

Mail : liam@vittoriatech.com

Website : www.vittoriatech.com

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2025**



STIMA MOBILITY

Awardee edition : 2025

Country : Kenya

Grant : 150 k€

Stima Care : advanced stationary battery analytics and management platform. Cloud-based SaaS platform using AI-driven analytics to monitor lithium-ion battery health and performance in stationary storage, optimize lifespan, detect anomalies, and streamline warranty management.

Project supported by : Emile Fulcheri (CTO)

Mail : emile.fulcheri@stimaboda.com

Website : stimaboda.com

Universal electricity access and mini-grids



Cogelec

Prize : I&P Digital Energy

Country : Senegal

Providing electrical and hydraulic solutions across Senegal, COGELEC ENERGY accelerates access to productive energy for rural communities. It delivers cleaner, cost-effective power for public and industrial projects, including remote water pumping and renewable energy systems.

Project supported : Abdou Wahab Kane

Mail : md@cogelectsn.com

Website : <https://www.ietp.com/fr/entreprises/cogelec>



Eclipse ER

Prize : I&P Digital Energy

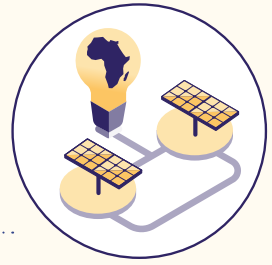
Country : Cameroon

Providing solar power solutions across Cameroon, ECLIPSE ER designs, installs, and maintains residential, commercial, and mini-grid solar systems. Using remote monitoring platforms and smart sensors, it ensures optimal performance and efficient operation of all its solar installations.

Project supported by : Ismael TOUANI

Mail : ismael.touani@eclipse-er.com

Website : <https://www.ietp.com/fr/entreprises/eclipse-er-cameroun-sas>



Ibriz

Prize : I&P Digital Energy

Country : Senegal

Providing solar-powered irrigation systems, IBRIZ enables smallholder farmers in Sub-Saharan Africa to boost agricultural productivity. The company leverages proven technologies and an innovative business model to make solar water access affordable and impactful for rural farming communities.

Project supported by : Bou Diarra

Mail : bou@ibriz.co

Website : <https://www.ietp.com/fr/entreprises/ibriz>



Solafrique

Prize : I&P Digital Energy

Country : Burkina Faso

Providing solar-powered water, electricity, and irrigation solutions, this Burkinabe company enables rural and peri-urban communities to access essential services. Using mini-grids, household solar kits, and flexible Pay-As-You-Go models, it also delivers renewable energy training to strengthen local capacity.

Project supported by : Ernest ASSO

Mail : <https://www.linkedin.com/in/ouedui-ernest-asso-17a360193/>

Website : <https://www.ietp.com/fr/entreprises/solarly>

Universal electricity access and mini-grids

**I&P
DIGITAL
ENERGY**

Solarly

Prize : I&P Digital Energy

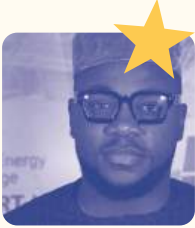
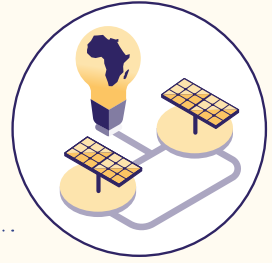
Country : Cameroon

Providing off-grid solar solutions, Solarly powers households and productive sites like schools, clinics, and small industries in Cameroon. Its SolarlyBox and AC kits deliver monitored, remotely controlled electricity for lighting, appliances, irrigation, and refrigeration, impacting over 20,000 users.

Project supported : Julien Riat

Mail : jessis@solarly.world

Website : <https://www.ietp.com/fr/entreprises/solarly>



PAM AFRICA

Awardee edition : 2025

Country : Nigeria

Grant : 150 k€

Pam-AI 2.0: AI-driven demand response to enhance grid resilience. Automates DSR based on tariffs and user behavior, reduces ATC&C losses, improves reliability for utilities and mini-grids, and enables data-driven investments for sustainable energy access in Africa.

Project supported by : Patrick Agese (CEO)

Mail : patrick.agese@pamafrica.com

Website : pamafrica.com

Efficient grid management

DIGITAL ENERGY CHALLENGE AWARDEE 2024

Kamata Online Protection Services

Awardee edition : 2024

Country : Uganda

Grant : 38 k€

Power theft detection with OT/IT revenue protection system. KAMATA Online PS solutions detect electricity theft, targeting electricity utilities & telecom tower providers. Smart Device will complement a smart locking device controlled by a mobile app.

Project supported by : E. Aijuka (Project Manager), I. Mutebi (CTO) and P. Joyce (Head of software Dev)

Mail : eaajuka@kopservices.com

Website : www.kopservices.com



SBEE & Smarterise

Awardee edition : 2023

Country : Benin

Grant : 402 k€

A digital surveillance platform to optimize maintenance and reduce energy losses. Smarterise digital platform powered by the Cloud & the AI will increase the overall efficiency of energy distribution by SBEE. It will also prepare the way for the deployment of a smart grid.

Project supported by : K. Elisée-Sonon (Head of planification, SBEE) and E. bitar (Founder & CEO Smarterise)

Mail : ksonon@sbee.bj & e.bitar@smarterise.com

Website : <https://sbee.bj>



SONELEC & Roseau Tech

Awardee edition : 2022

Country : Comoros

Grant : 204 k€

Energy-as-a-Service for SMEs based on AI. Using the data from the SONELEC network to build a digital twin of the grid that can be later used in Roseau's simulation tool Sirao to carry out technical studies.

Project supported by : N. Soilh (PM) and L. Muller (PM)

Mail : soilhnawal@yahoo.fr & florent.cadoux@roseautechnologies.com

Website : soneleccomores.com / roseautechnologies.com

**DIGITAL
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AWARDEE
2024**

ICE Solar Commercial Power

Awardee edition : 2024

Country : Nigeria

Grant : 150 k€

Energy-as-a-Service for SMEs based on AI. Their solar DER feature AI-driven predictive maintenance analyses real-time solar grid data from IoT devices to minimise downtime and system losses, and lower maintenance costs.

Project supported by : E. Ekwueme (Engineer), M. Okperi (Engineer) and O. Akoko

Website : www.icesolar.co

Efficient grid management



Electra & INESC P&D Brasil

Awardee edition : 2023

Country : Cape Verde

Grant : 154 k€

Solar power forecasting using smart meters and meteo and geographical data. Software app to produce accurate short-term photovoltaic generation forecasts, by valuing from data already collected by smart meters (consumption and injection) & meteo data.

Project supported by : V. Miranda (President INSEC P&D) and A. Pedro Pires da Cruz (Electra)

Mail : vladimiro.miranda@inescbrasil.org.br

Website : inescbrasil.org.br

**DIGITAL
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2024**

WAPP & IED Bénin

Awardee edition : 2024

Country : Benin

Grant : 265 k€

GIS application to support electrification work.

Creation of an integrated platform including a GIS type application : demand assessment application, network sizing application, application for creating ADP type documentation.

Project supported by : B. Hessou (Planning Department Director, WAPP) and M. Kohi (General Manager, IED)

Mail : jdzannou@ecowapp.org

Website : www.ecowapp.org



**DIGITAL
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2024**

ANKA Madagascar & UPYA Technologies

Awardee edition : 2024

Country : Madagascar

Grant : 333 k€

Platform to automate all processes for mini-grid operators. Development of a platform to automate all processes for mini-grid including operators sales process, customers identification, process of connecting new customer and others features.

Project supported by : N. Malison (Access energy Director), M. Anezman (Operator Director) and G. Marchand (Technical Director)

Mail : dina.r@go-anka.com

Website : <https://www.go-anka.com> & <https://upya.io>



InnovateHub

Awardee edition : 2023

Country : Burkina Faso

Grant : 38 k€

Web and mobile app to predict lightning strike. ElectroSafe uses the PREVISTORM® Thunderstorm Warning System to provide real-time data on the probability of lightning strikes in a specific area, thus facilitating the protection of electrical infrastructures.

Project supported by : Auguste Zaongo (Manager)

Mail : serzao2014@gmail.com

Website : <https://innovatehub.bf>

Efficient grid management

DIGITAL ENERGY CHALLENGE AWARDEE 2024

EMAE & HartBR

Awardee edition : 2024

Country : Sao Tome and Principe

Grant : 333 k€

AI analysis based on smart switches to improve grid management. The software platform will minimise duration of temporary faults and the number of impacted customers, speed up the fault location and automatic self healing when feasible.

Project supported by : V. Carvalho (Head of communication, EMAE) and C. Garcia Lellis Junior (CEO, HartBR)

Mail : ralf.campos@hartbr.com

Website : www.emae.st & www.hartbr.com



Tanzania Electric Supply Company Ltd & Odit-e

Awardee edition : 2021

Country : Tanzania

Grant : 443 k€

Low-voltage grid digitisation software to optimise management and operation of electricity distribution. Odit-e's AI module provide Tanesco with insights into the blind spots in their low-voltage network.

Project supported by : L. Richaud (Project Manager)

Mail : luc.richaud@odit-e.com

Website : <https://odit-e.com>



Smarterise Integrated Solutions Ltd

Awardee edition : 2021

Country : Nigeria

Grant : 100 k€

Intelligent grid solution that enhances power utilities' performance. Smart grid solution using the installation of remote sensors and AI applications providing grid operators with real-time insights to ensure better financial, operational and environmental performance.

Project supported by : E. Bitar (CEO) and L. Adeosun (Project Manager)

Mail : e.bitar@smarterise.com

Website : www.smarterise.com



Aplines (Schneider) & CEET

Awardee edition : 2021

Country : Togo

Grant : 196 k€

Asset risk analytics, AI & satellite imagery for the prevention & reduction of network outages due to vegetation. Based on AI & satellite imagery the app assesses the risk posed by vegetation on electricity networks.

Project supported by : Y. Raoult (President Alpines) & A. Boukari (Project Manager CEET)

Mail : ahamed.boukari@ceet.tg & bdiallo@aser.sn

Website : www.linkedin.com/company/aplines

Efficient grid management



4ina Tech

Awardee edition : 2023

Country : Tunisia

Grant : 150 k€

Smart AI-based energy management system for industry.

Autonomous control system that uses AI to analyse energy grid data, detect anomalies, and determine their underlying causes, while making recommendations to managers on maintenance planning.

Project supported by : H. Zribi (co-founder/Managing Director) and S. Mhimdi (Co-founder/Project Manager)

Mail : hindazribi123@gmail.com

Website : [4ina-technologie](http://4ina-technologie.com)

**DIGITAL
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2024**

YETU Smart Grids

Awardee edition : 2024

Country : Kenya

Grant : 150 k€

Integration of real-time smart energy meters to balance minigrids. ESIOS is a software which interpret and learn from data collected by smart meters. It allows to balance minigrids by predicting consumptions peaks and adjusting power production accordingly.

Project supported by : A. Mumbi (Project Manager)

Mail : admin@yetusmartgrids.africa

Website : <https://yetusmartgrids.africa>



Classified Project

Awardee edition : 2022

Country : Botswana

Grant : 75 k€

Digital monitoring and maintenance management system for the electricity distribution network. Solution enabling surveillance and preventive maintenance to increase operational efficiency and reduce the frequency of power outages.

Project supported by : P. Mutoka (Technical Director) and M. Musunga (Director)

Mail : petermutoka@classifiedprojects.africa & umbi@classifiedprojects.africa



STEG & Nexus Analytica

Awardee edition : 2022

Country : Tunisia

Grant : 294,6 k€

Integrated platform for monitoring, predicting and optimising readings from various energy sources. The solution enable to monitor energy assets in real-time and make predictive diagnostics.

Project supported by : C. Rafik (Head of Microgrid, STEG) and N. El Boghadady (CTO, Nexus Analytica)

Mail : rcherni@steg.com.tn & wessam@nexusanalytica.com

Website : steg.com.tn/fr & nexusanalytica.com

Resilience and decarbonation of power systems



SLS Energy

Awardee edition : 2023

Country : Rwanda

Grant : 147 k€

Energy storage for telecom towers using recycled batteries. Energy storage solution using recycled batteries for telecom towers, and eventually for mini-grids. The solution can be monitored remotely using IoT sensors and Cloud technology.

Project supported by : L. Berwa (CEO)

Mail : leandre@slsenenergy.io

Website : www.slsenenergy.io

**DIGITAL
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2024**

Anfani Ltd

Awardee edition : 2022

Country : Nigeria

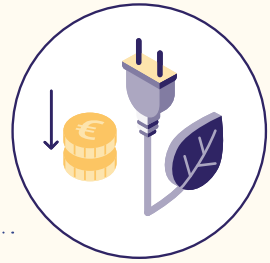
Grant : 42 k€

Brokerage platform for financing renewable energy project. Promote connectivity between different types of stakeholders. It allows fractional ownership of RE assets using blockchain technology.

Project supported by : I. Bolarinwa (CEO/Project manager) and A. Apooyin (Technical Lead)

Mail : abiola.apooyin@anfani.uk & ishaq@anfani.uk

Website : www.anfani.uk



**DIGITAL
ENERGY
CHALLENGE
AWARDEE
2024**

eThekwini Municipality & Plentify

Awardee edition : 2024

Country : South Africa

Grant : 296 k€

Plug-and-play hardware controller to optimise solar production. SolarBot intelligently control when appliances turn on and off, and adjust the state-of-charge of the battery throughout the day thanks to AI analysis of IoT devices.

Project supported by : S. Buthelezi (Energy Efficiency Manager, eThekwini Municipality) and K. Nair (Plentify Cofounder/Chief Growth Officer)

Mail : sindile.buthelezi@durban.gov.za

Website : www.durban.gov.za & <https://plentify.io>



Zonke Energy

Awardee edition : 2022

Country : South Africa

Grant : 142 k€

Integration of Solar Home Systems into a mini-grid for two-way energy trading. Electronic interface to allow solar home system owners to connect to the mini-grid and buy or sell power in the case of excess energy production.

Project supported by : A. Densmore (Technical Director)

Mail : alex@zonkeenergy.com

Website : zonkeenergy.com

Resilience and decarbonation of power systems



Beacon & AEDC

Awardee edition : 2022

Country : Nigeria

Grant : 385 k€

Network mapping and automation of grid operations for clearer view of grid outages and losses. Digitize and provide visibility for grid using IoT meters and AI.

Project supported by : B. Ibironke (CFO, AEDC) and B. Adisa (CEO, iBeacon)

Mail : badisa@bpsafrica.com

Website : www.abujaelectricity.com & www.beaconpowerservices.com

**DIGITAL
ENERGY
CHALLENGE
AWARDEE
2024**

Fuel Switch

Awardee edition : 2024

Country : South Africa

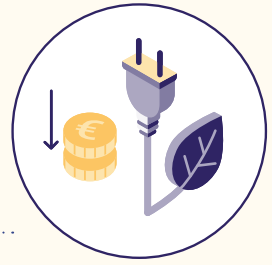
Grant : 150 k€

Blockchain-based renewable energy trading platform. Smart contract technology to execute transactions and allow peer-to-peer trading of renewable energy certificates.

Project supported by : J.-P. Spangenberg (Founder/ CEO Delta Carbon) and G. Maasz (Product Manager)

Mail : gideon@fuelswitch.io

Website : www.fuelswitch.io



Motsi Technologies Group (RENEX)

Awardee edition : 2022

Country : Namibia

Grant : 80 k€

Blockchain-enabled peer-to-peer solar electricity trading platform for industrial and commercial players.

Unlock the potential for peer-to-peer trading by pooling demand from commercial & industrial customers and facilitating trading with producers.

Project supported by : J. Andreas (Power System Analyst) and A. Victoria (Trading Analyst)

Mail : victoria@renexenergy.com

Website : www.renexenergy.com

**DIGITAL
ENERGY
CHALLENGE
AWARDEE
2025**



METAVOLT ENERGIE & NGHEZO

Awardee edition : 2025

Country : Burkina Faso

Grant : 25 k€

Solarflow : smart cloud platform for off-grid solar management and energy access. Real-time monitoring and automation, system connectivity, energy optimization, and customizable dashboards with multi-user access.

Project supported by : Patrick Tiki mbela (Business developer)

Mail : patrick.tikimbela@gmail.com

Website : metavolt.net

Resilience and decarbonation of power systems



SenfraïS

Prize : I&P Digital Energy

Country : Senegal

A solar-powered refrigeration solution adaptable to different types of vehicles, offering real-time monitoring of cold-chain conditions and fleet activity.

Project supported by : Seydina Issa Laye SECK

Mail : seydinaissa.seck@limawa.com

Website : <https://www.ietp.com/fr/entreprises/senfrais>



EV Tech

Prize : I&P Digital Energy

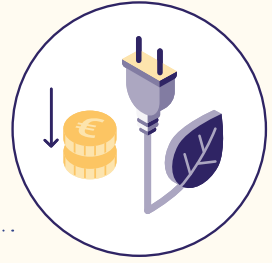
Country : Ivory Coast

Comprehensive electric-vehicle charging solutions, from installing and maintaining charging stations to enabling seamless access via the Neo Charging mobile app. The app lets drivers locate NEO multi-operator stations, view real-time availability and pricing, and monitor their vehicle's charging status.

Project supported by : Florent THOMAS

Mail : florent.thomas@evtech.ci

Website : <https://www.ietp.com/fr/entreprises/evtech>



Kaara

Prize : I&P Digital Energy

Country : Uganda

Providing affordable and sustainable energy and transport solutions to entrepreneurs, businesses, and communities. The company aims to become Africa's leading energy solutions provider, helping communities build a better and more sustainable future

Project supported by : Godfrey Mutabazi

Mail : geofrey@karaa.africa

Website : <https://www.ietp.com/fr/entreprises/karaa>

Resilience and decarbonation of power systems



GREEN INNOVATION VENTURES ENTERPRISES - POWERPAY AFRICA

Awardee edition : 2025

Country : Madagascar

Grant : 134k€

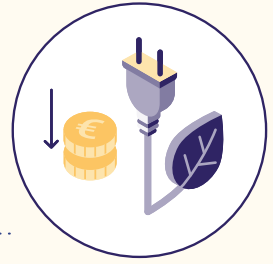
**Powerpayblock: IoT and blockchain platform
generating carbon credits from clean cookstoves.**

Enhances project efficiency and transparency, unlocks carbon finance, and supports rural electrification via on-chain certified emission reductions.

Project supported by : Geoffrey Kimiti (Executive Chairman) and B. Adisa (CEO, iBeacon)

Mail : badisa@bpsafrica.com

Website : www.abujaelectricity.com &
www.beaconpowerservices.com



Our funders

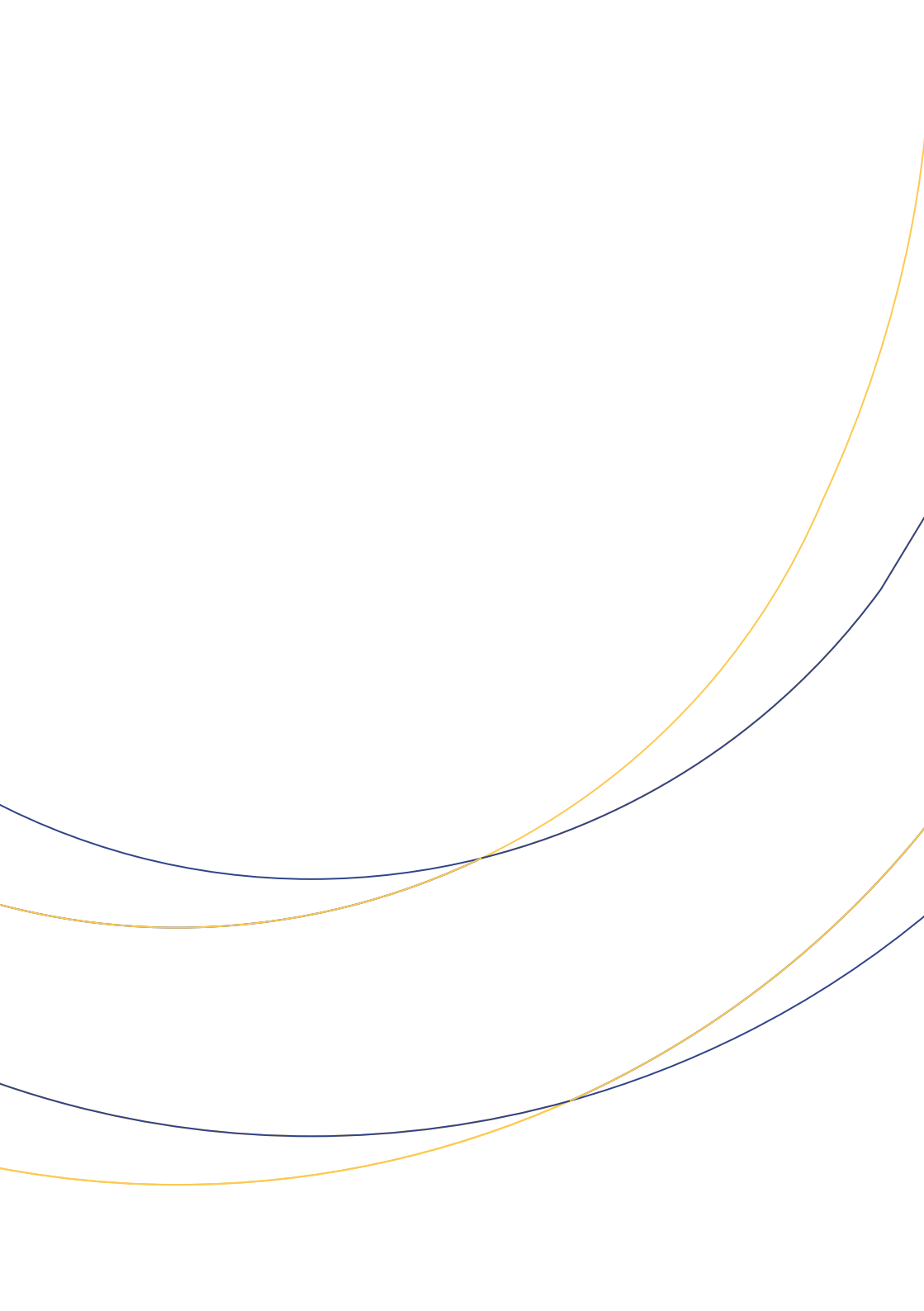


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Our partners





My bootcamp notes

Towards a world in common

Agence Française de Développement (AFD) Group finances, supports and accelerates the transitions necessary for a more just and resilient world. It thus contributes to implementing France's policy on sustainable development and international solidarity. It is with and for communities that we build, with our partners, solutions in more than 160 countries, as well as in 11 French over-seas departments and territories.

Our objective: To reconcile economic development with the pre-servation of common goods: the climate, biodiversity, peace, gender equality, education and health. Our teams are involved in more than 3,600 projects in the field, which are part of the commitment of France and the French people to fulfilling the Sustainable Development Goals. For a world in common.



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