UNHCR
United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

UNIDO-UNHCR Private Sector Mission

Uganda (7 - 12 October 2022)

Kenya (13 - 18 October 2022)

About UNIDO

UNIDO is the specialized agency of the United Nations with 170 member states. UNIDO promotes industrial development for poverty reduction, inclusive globalization and environmental sustainability.

UNIDO in East Africa
(seleced projects)

- Sudan: Employment opportunities and entrepreneurship development for migrant youth, refugees, asylum seekers and host communities in Khartoum State
- South Sudan: Integrated Watershed approaches for climate resilience in agro-pastoral landscapes
- Eritrea: Promoting job creation for at-risk youth in Eritrea
- Somalia: Agro-technology development for economic growth in South and Central Somalia
- Kenya: Improving competitiveness and trade for selected agricultural value chains

UNIDO in East Africa
Selected Projects

- Rwanda: National action plan on mercury in the artisanal and small-scale gold mining sector
- Burundi: Promotion of Small Hydro Power (SHP) for productive use and energy service
- Uganda: Project for Development of the Construction Equipment Operator Training Centre
- Promotion of Waste-to-Energy (WTE) Applications in Agro-Industries of Tanzania

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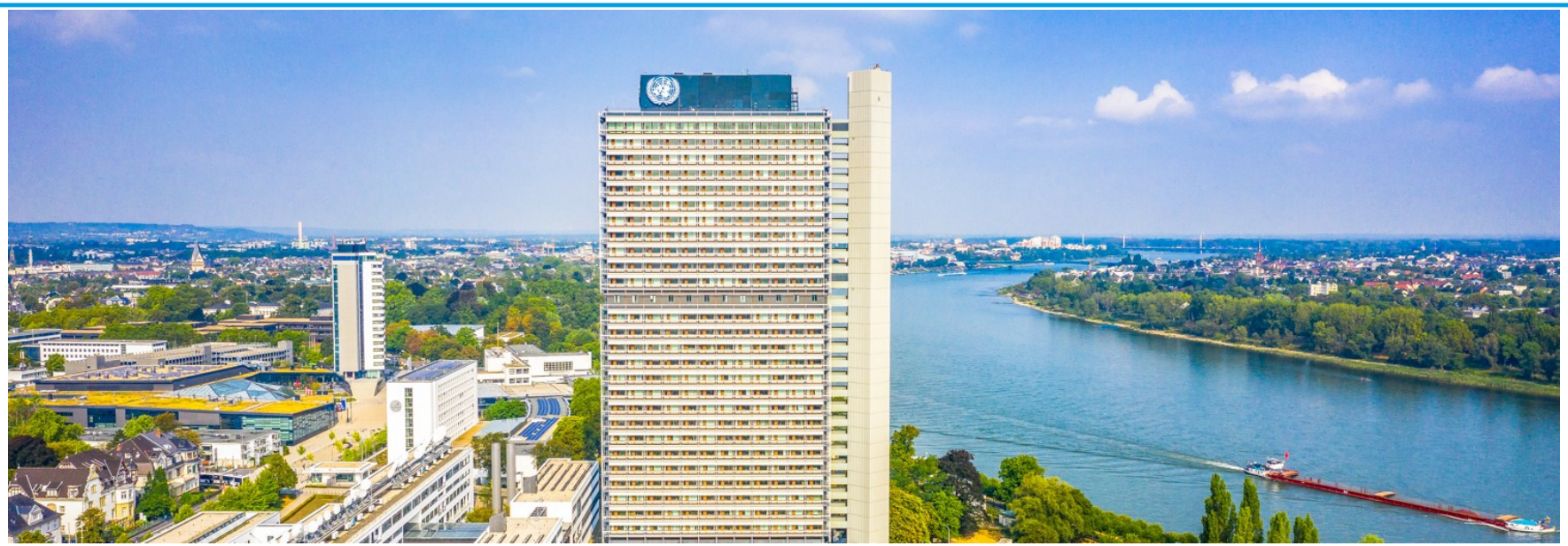


ITPO Germany

Opened in May 2017
10 employees
Located at UN Bonn,
Advisors in Côte d'Ivoire,
Nigeria and Sudan

About UNIDO ITPO Germany

- Through its nine Investment and Technology Promotion Offices (ITPOs) worldwide, UNIDO promotes the transfer of technology and investments to developing countries to support sustainable economic development.
- UNIDO ITPO Germany was established in 2017 and is located at the UN Campus in Bonn, Germany.
- ITPO Germany supports technology transfer, private sector investments and industrial cooperation with developing countries for sustainable, private sector-led economic development

UNIDO ITPO Germany's Priority Sectors

Renewable Energy

Energy Efficiency
(Industry, Buildings,
Transport & Mobility)

Environmental Technologies
(Water / Sanitation,
Wastewater, Solid Waste)

Sustainable
Agribusiness

Resource Efficient
Manufacturing

Sustainable and Resilient
Infrastructure

Health
and Sanitation

Mining and
Natural Resources

Mobility

Background cooperation with UNHCR

The aim of the private sector mission was to encourage private sector engagement in the humanitarian context, in line with two objectives of the Global Compact on Refugees, namely to (i) ease pressures on host countries and (ii) enhance refugee self-reliance.

Trough this private sector mission, ITPO Germany aims to enable private sector actors to explore opportunities in refugee-hosting areas in Sub-Saharan Africa

Agenda Uganda

Uganda (7-12 October 2022)	
Friday, 7 October	
All day	Arrival of mission participants in Kampala
19:00	Briefing and Joint Dinner with UNHCR Uganda Country Office *Restaurant of Fairway Boutique hotel* *Overnight stay at Fairway Boutique Hotel, Kampala*
Saturday, 8 October	
05:00	Early breakfast, Check-out *Heavy luggage can be stored at the hotel*
06:00	Drive to Arua (West Nile) by 4 Land Cruisers *accompanied by UNHCR Uganda Country Office*
18:00	Check in L´Hotel le Confidentiel
19:00	Dinner with Head of UNHCR Sub-Office in Arua *Restaurant of L´Hotel Le Confidentiel* *Overnight stay at L´Hotel le Confidentiel, Arua* *Single rooms with breakfast, 3 nights, booked and paid by UNIDO*
Sunday, 9 October, *Uganda Independence Day*	
	Meetings with local entrepreneurs and organizations and their projects in and around Rhino Camp *Lunch boxes provided (7,50 Euros per person)* St. Jude TVET (courses and IBSF construction) Omugo Water System / Hand-Pump Mechanics Association Innovation Centre in Ofua II Visits and meetings for Energy, WASH, Livelihoods (*group splits up*) *Overnight stay at L´Hotel le Confidentiel, Arua*

Monday, 10 October	
	Prime Minister's Office (PMO) in Arua District Governments in Terego and Madi Okollo (*group splits up*) UNHCR project site visits
16:00 onwards	Meeting with local business community (GIZ partners, associations, chambers) *L´Hotel le Confidentiel, Arua* *Overnight stay at L´Hotel le Confidentiel, Arua*
Tuesday, 11 October	
08:00	Departure to Arua Airfield
09:00	Flight from Arua to Entebbe (Eagle Air, luggage limit 15 kg)
10:30	Arrival in Entebbe, transfer to Kampala
12:00	Arrival at Fairway Boutique Hotel *Check-in at 15:00, early check-in upon availability*
16:00 - 20:00	Sustainable Business Mixer *Networking with Ugandan companies and financing partners, supported by Business Scouts for Development* *Conference Room Fairway Boutique Hotel* *Overnight stay at Fairway Boutique Hotel, Kampala*
Wednesday, 12 October	
Morning (time tbd)	Debriefing with UNHCR (UNIDO staff + representatives of Delegation) *UNHCR Uganda Country Office*
10:00- 12:00	*Alternatively (for those not attending Debriefing)*: Visit to Bodawerk, production of electric vehicles, battery management systems, production
12:30	Transfer to Uganda Skateboard Union, Kitintale
13:30	Visit of shelter made of zero carbon panels
15:00	Transfer to Entebbe Airport
17:30	Arrival at Entebbe Airport

Agenda Kenya

Kenya (13-18 October 2022)	
Wednesday, 12 October	
	Arrival Nairobi at Nairobi Jomo Kenyatta (arranged individually) *Overnight stay at Sarova Panafric Hotel*
Thursday, 13 October	
8:00	Drive to Kibera
9:00	Commissioning and Hand-Over of 28 Solar Water Desalination Systems at Kibera level IV Hospital (DEG, DeveloPPP project with Boreal Light / WaterKiosk)
12:30 – 14:30	Lunch followed by seminar with start-ups at KCIC – Kenya Climate Innovation Centre
15:00 – 16:00	Visit of Boreal Light / Waterkiosk and Anywhere Mobility Solution's production site
17:30 onwards	Welcoming of Delegation with UNHCR Kenya Country Office and Joint Dinner, restaurant *tbc* *Overnight stay in Sarova Panafric Hotel*
Friday, 14 October	
6:00	Transport to Nairobi Wilson Airport
7:30	Flight from Nairobi Wilson Airport (Skyward Express, luggage limit 20 kg)
9:15	Arrival in Lodwar, transfer to Ceamo Prestige Lodge in Lodwar (vehicles provided by UNHCR)
10.30-11.30 tbc	Meeting with the County Commissioner
12.00-13:00 tbc	Meeting with the Governor, Turkana County Government
13:00	Drive to Turkana Basin Institute (vehicles provided by UNHCR)
14:00	Turkana Basin Institute, Turkwel, Research Facility (TBI)
17:00	Drive to Lodwar (vehicles provided by UNHCR) *Overnight stay in Ceamo Prestige Lodge in Lodwar*
Saturday 15 October	
7:30	Business Breakfast with Chamber of Commerce of Turkana County Transfer to Kakuma (vehicles provided by UNHCR)
10:00	Arrival in Kakuma
11:40	Briefing by UNHCR Kakuma Sub-Office
12.00-13.00	Lunch at UNHCR Cafeteria
13:00-13:45	Field and project visits in Kakuma / Kalobeyei, Kakuma Market
14:00-17:30	Dinner with DRS Camp Manager, Deputy County Commissioner, Sub-county Administrator, Police, Local Chamber, KKCF, and UNHCR (Cairo Hotel)
19:00-21:00	*Overnight stay in Kakuma UNHCR compound / Cairo Hotel*
Sunday, 16 October	
08:00-13:20	Field and project visits in Kakuma / Kalobeyei, Kakuma Market
13:35-14:20	Lunch at UNHCR Cafeteria
14:30-16:30	Meetings with projects and local entrepreneurs and organizations (Agriculture, WASH, TVET, Energy, etc) including KKCF Team
16:45-17:30	Debrief with UNHCR Head of Sub-Office and Technical Team
18:30-20:30	Dinner hosted by the UNHCR Head of Sub Office *Overnight stay in Kakuma UNHCR compound / Cairo Hotel*
Monday, 17 October	
6:30	Transfer to Lodwar airport (vehicles provided by UNHCR)
9:35	Flight to Nairobi (Skyward Express, luggage limit 20 kg)
11:20	Arrival Nairobi Wilson Airport
13:00	Transfer to Sarova Panafric Hotel
16:00	Networking conference with Kenyan companies and financing partners in Nairobi facilitated by AHK Kenya (16:00pm-20:00pm) *Overnight stay in Sarova Panafric Hotel*
Tuesday, 18 October	
9:00-13:00	Debriefing with UNHCR Nairobi Meeting with UN Resident Coordinator a.i. (UNDP RR), Mr. Anthony Ngororano Company presentations / pitches and discussion technical staff and partnership units of United Nations Office in Nairobi Lunch at UNON cantine END OF MISSION

AGSOL

AGSOL

Agribusiness

Company Profile:

Agsol manufactures cutting edge solar powered agro-processing machines for off-grid farming communities. Our solar mills convert the most important staple foods into edible and higher value food products. By linking productive machines with solar power, off-grid communities have a new tool to improve their agricultural productivity and simultaneously gain access to clean energy services.

Product:

The Agsol MicroMill is the most efficient, smart and affordable small grain mill ever developed. Purpose designed for solar it can also be powered from grid or an e-bike. Including a custom DC motor and other industry first technology, it is 2.5x more efficient than other electric mills on the market. This efficiency increase is a game-changer and means the MicroMill in solar format is cheaper than a diesel mill and is nearly twice as profitable because of no fuel costs. With one button operation the MicroMill opens the door for anyone non-technical to participate in this important income generating activity.

Anywhere Mobility Solutions Ltd

Energy /Mobility

Company Profile:

For the past six years, we have pioneered distributed manufacturing units to make locally built electric off-road cargo bikes. Our business is to provide kits and support to these microfactory franchises. Our bikes short-cut existing logistics solutions by no longer needing paved road infrastructure, but instead using existing path networks.

Current/Planned Projects:

In Nairobi, Kenya we are currently setting up a regional mini-factory for the local production of cold chain electric cargo bikes, e-bike taxis, and cheap robust e-bikes. -> more pilot projects in SA, Kenya Ghana, Uganda, Senegal Zambia,

Expertise and commitment to humanitarian context:

In essence, we are spearheading the locally distributed manufacturing of LEVs which can achieve financial viability and subsequent economic growth at a market penetration scale where they displace the fossil alternatives of imported motorcycles. The foundation of our strategy is that everyone expects to pay for logistics and the income stream from the use of LEVs can augment the cost of the installation of mini and micro grids.

Interested in meetings with:

We are currently looking for a larger pilot, in combination with a solar partner and others, where we can make and deploy a larger number of Light Electric Vehicles (LEVs).

(B)Energy

Energy (Biogas, Clean Cooking)

Company Profile:

(B)energy is a social business that works with partners on 4 continents to make biogas technology available, affordable, and beneficial. Katrin Puetz founded the company with the aim of making domestic biogas technology independent of development aid. The biogas technology offered consists of a semi-mobile biogas digester, the biogas backpack and biogas stoves. These systems can be used in small businesses, schools, restaurants, households, and on farms. The unique component is the biogas backpac, which allows biogas producers to sell their excess gas and thus refinance their investment

Current/Planned Projects:

(B)energy has experience in testing the technology in refugee camps in Ethiopia.
It is our goal goal to establish biogas technology in Uganda in an entrepreneurial manner by finding distributors and installers.

Expertise and commitment to humanitarian context:

guide and equip local distributors with know-how and technology to take on the responsibility for making clean cooking solutions to people in and around refugee camps in a sustainable and non-market distorting way.

Interested in meetings with:

We hope to meet African investors, potential distributors as well as energy dignitaries from the Ugandan government, esp. from the energy sector.

BayWa r.e.

Energy

Company Profile:

Delivery of end-to-end project solutions involving planning, project development, turnkey construction, and ongoing technical and commercial operations management. We bring innovation, creativity, and the expertise of successfully bringing over 4 GW of renewable energy online, while managing over 10 GW of renewable energy assets for our customers.

Current/Planned Projects:

Current Project: Diesel-hybrid off-grid solution, Bamyan, Afghanistan
Planned Projects Kenya: 3x 50 MWp Solar & Battery Storage Hybrid Projects.

Expertise and commitment to humanitarian context:

With full project lifecycle experience, unrivalled technical expertise and global best practice knowhow, we are able to engage diverse and multiple stakeholders from small rural communities to large corporate clients.

Interested in meetings with:

Ministry of Energy, EPRA , KPLC, Local project developers as well as specialists and consultants supporting on ESIA and technical studies , Local and national government and community representatives, Local and international development partners (giz/US Aid/ Power Africa etc.), Local / international financing partners and investors, Corporate offtakers, Green H2/ NH3 Producers.

Be-Grow GmbH

Agribusiness

Company Profile:

Be-Grow is selling affordable products for the agriculture industry + for the reforestation of woods. Be-Grow Boost products are soil additives to promote additional yield and prevent yield loss in dry environments. Business model: Distribution worldwide via country specific distribution partners promoted by joint presentations, showcases etc. Focus also on smallholders to help them stabilizing their business and support of NGOs.

Current/Planned Projects:

We support our partners in Kakuma to build up a new company that grows peanuts on a large scale with little water thanks and hopefully creates numerous agricultural jobs as well as other jobs in processing and refining of peanut products.

Expertise and commitment to humanitarian context:

Support local customers on reducing cost while creating a new level of food security in the country.

Interested in meetings with:

Investors, banks for our local distribution partners, ministries of agriculture under the focus of the reduction of agricultural water infrastructure as well as improvement of food security.

Boreal Light GmbH

WASH, Agribusiness

Company Profile:

Boreal Light GmbH is a Berlin based company specialized on renewable energy solution for water treatment facilities. The company designs and manufactures affordable solar water desalination systems for off-grid communities around the globe

Current/Planned Projects:

5 running projects of solar water desalination systems across Turkana county.
Potential partnership with country government and UN officials of water sully to communities.

Expertise and commitment to humanitarian context:

Partnership on commercial waterkiosks with 50% co-investment for 7 years.

Interested in meetings with:

UN programs, governments, local authorities, municipalities, NGOs, aid organizations

COOLAR

Health

Company Profile:

Off-grid refrigerator that is 100% water-based and runs on heat instead of electricity. The cooling system operates without hazardous or climate harming chemicals. The Coolar off-grid refrigerator can enable the safe and reliable storage of basic medicines and vaccines in remote health facilities with no or unreliable grid connection.

Current/Planned Projects:

Running field test of Coolar refrigerator in western India; Previous field studies in Kwale (2019) & Turkana (early 2020), Kenya, to look for potential pilot project locations & partners, not yet realised due to the disruptions of the pandemic.

Expertise and commitment to humanitarian context:

Sustainable cooling for off-grid health facilities, solar thermal adsorption cooling technology; Willingness to conduct pilot projects to study use of off-grid refrigerators with local partners

Interested in meetings with:

Investors, local partners for off-grid refrigerator set-up, Ministry of Health officials, private/faith-based clinic chain owners/operators with facilities operating under off-grid/unreliable grid conditions, …

BASF East Africa Ltd

Agribusiness, Energy

Company Profile:

BASF East Africa Ltd, the regional sales hub for the East African market, was established in Kenya in 2011 and is responsible for 15 countries. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. In Ethiopia, BASF has a Trade Representative Office responsible for the various BASF industry segments. BASF Djibouti FTZE was established in 2022 and has an office in Djibouti City. Continuous innovation and tailor-made solutions ensure our customers achieve greater success.

Current/Planned Projects:

None in Kakuma. But projects in Nairobi in handwash development with the University of Nairobi; Waste management project in Diani and Elastopave for rural development.

Expertise and commitment to humanitarian context:

BASF Stiftung/Foundation and Alliance to End Plastic Waste

Interested in meetings with:

Partners interested in developing low-cost housing; rural walkways; sanitation for making compost and cereal growers co-operatives.

DOT Glasses (WSV Global)

Health

Company Profile:

Of the 7.5 million Kenyans who need eyecare, only 1.6 million are able to visit an eyecare provider. we're able to provide prescription glasses for $5. The testing and assembly for each patient is done on-site within 5 minutes, without needing a vision care specialist.

Current/Planned Projects:

Turkana – we have received funding from the IFC's Kakuma Kalobeyei Challenge Fund programme to launch DOT Glasses in Kakuma Kalobeyei. We have just opened shops in Kakuma town and the refugee camp, as well as trained agents and partners to distribute the glasses. West Nile – None Planned: We are looking for potential partnerships to support us in distributing low-cost eyeglasses, eyecare professionals are not essential in the direct distribution. Suitable partners include:

- Health centers
- Pharmacies
- NGOs (in particular those in livelihoods or health)
- Eye clinics with limited services and/or lack of affordable products.

Expertise and commitment to humanitarian context:

Low cost yet robust and stylish eyeglasses with instant distribution, without the need for an eyecare professional. Eyecare business in a box. Social enterprise development models from the executive team's work at https://wsv.global

Interested in meetings with:

Investor / financing partner Health partners operating in the refugee environment, MoH, Medical suppliers with national distributions channels

GCS mobile solutions GmbH

Health

Company Profile:

Since 2017, we have been bringing this experience to the humanitarian sector and concentrating on two areas: inflatable cold rooms that are shipped to the areas of operation together with the medicines, and container-based solar-hybrid medicine cooling

Current/Planned Projects:

We are interested in exchanges with all institutions (from UN agencies to NGOs to local governments) that have an interest in cold chains, food safety and food waste, from pharmaceutical logistics to agriculture and infrastructure.

Expertise and commitment to humanitarian context:

We can offer or develop solutions that combine cooling, pharmaceutical cold chain, energy supply, drinking water supply and other applications and can be expanded in a modular system based on containers.

Interested in meetings with:

We would like to meet GIZ staff to get to know their local expertise. We would also like to meet representatives of investment banks (World Bank, local development banks, sustainability funds, etc.). Local partners from the refrigeration and solar sector who could carry out maintenance and support for our SUNTAINERs. Of course, contact with ministries is crucial to see where the focus of local infrastructure development lies and where there are intersections.

IBS Foundation

Shelter / Infrastructure / Manufacturing

Company Profile:

Impact Building Solutions Foundation (IBS Foundation) manufactures climate-positive building materials and is a design & build developer offices in Kampala and a factory in Northern Uganda.

Current/Planned Projects:

West Nile: office -, staff house-, school- and hospital buildings
Kakuma: maternity ward, Kakuma Mission Hospital
Kampala: Shelter, Skate Park, Kitintale Slum
Planned: Solar energy solutions for new urban neighbourhoods including (4 storey buildings

Expertise and commitment to humanitarian context:

Design and build of prefabricated, buildings with a zero-carbon footprint fast and at scale.
Prefabrication and storage of modular health centers and shelters ready to be erected during emergency situations.

Ilara Health

Health

Company Profile:

Ilara Health is building a network of technology-enabled primary healthcare clinics (PHCs) delivering affordable, quality healthcare to Africa's low to middle income demographics

Current/Planned Projects:

Both public and private sector partners that are involved in coordinating and delivering primary healthcare services to urban poor and rural populations. This would include county government health teams, faith-based organisations, NGOs and social enterprises with a focus on delivering healthcare services.

Expertise and commitment to humanitarian context:

Our experience interacting with typical owner-operated primary healthcare clinics we can support delivery of quality and outcomes-assured patient care, digitisation of medical records and clinic operations. We can deploy central laboratories delivering essential diagnostics for primary healthcare in low-resource settings.

Interested in meetings with:

County health officers, Medical superintendents of County level 4 and 5 hospitals

LETZTEST

LetzTest

& Aqua Solutions International Ltd

Company Profile:

WASH

D25 Innovative water quality testing equipment
Workshops / Webinars and consulting on running successful water laboratories in low-income countries.

Planned Projects:

Aqua solutions: We plan to carry out WASH trainings in schools in the third quarter of 2022/2023
We plan to partner with different School water and sanitation (SWAS) clubs of in the northern region and eastern regions of Uganda to clean their water tanks, as well as sensitize them on water safety, sanitation and hygiene.

Expertise and commitment to humanitarian context:

Provide water services including quality (assessment and testing) of community wells and water storage reservoirs, and training.

Interested in meetings with:

Technical partner, investors, District water and health officers, NGOs in WASH sector and Heads of institutions.

nOa climate GmbH

Waste Management / Energy

Company Profile:

Company that develops and manufactures affordable state-of-the-art micro bioreactors that turn organic wastes into green energy and organic fertilizers for off-grid solutions around the world. Our smallest bioreactors produce around 6kWh of energy per day generally used for tier 4 clean cooking and water heating. Additionally, our bioreactors can be used as clean sanitation solutions by turning human waste into energy.

Current/Planned Projects:

Together with local partners, nOa climate GmbH currently distributes household sized bioreactors to communities, households and small businesses around Uganda and Kenya. The company is looking for project partners to bring household bioreactors into the humanitarian context for clean cooking and WASH solutions as well as to provide nutritious meals in the humanitarian context.

Expertise and commitment to humanitarian context:

nOa climate GmbH can provide affordable state-of-the-art clean cooking and WASH solutions to the humanitarian context through its bioreactor technology via a lease-to-own model.

Interested in meetings with:

Meet with individuals responsible for energy, clean cooking and WASH sectors in the humanitarian context. In the commercial context we would like to meet well established businesses with existing distribution and retail networks, as well as financial partners.

Oculavis GmbH

IT / Maintenance / Infrastructure

Company Profile:

oculavis – augmented reality (AR) powered video support for equipment in remote locations; Augmented Reality platform for the industry with visual assistance, step-by-step guidance and industrial grade management features.

Current/Planned Projects:

Oculavis is part of GIZ “Make IT Alliance” and in contact with organisations like VDMA (Association of German machine builders; we are also a member there) who are running qualification programs and vocational training

Expertise and commitment to humanitarian context:

Expertise in maintenance procedures of technical equipment; engineering skills; digital expertise; commitment and investment to bring digital maintenance techniques to the region.

Interested in meetings with:

Local machinery & equipment manufacturers and service providers; local IT partner / distributors; ministries for public infrastructure (energy, water, mobility, construction etc); ministry for higher education (vocational training programs etc).

OffGridBox

OffGridBox

Energy

Company Profile:

OffGridBox is a socially driven company that provides clean water, clean energy, and connectivity to people in remote areas, from water pumping to water purification to seawater desalination. Our standard OffGridBox is an all-in-one sustainable solution as you saw in the video, a 2m x 2m x 2m container with solar power that provides energy services to 400 families, while pumping and purifying up to 40,000L/day. We have installed over 70 OffGridBoxes in 15 countries. Applications are limitless, from outdoor living and climate resilience to disaster relief and international cooperation.

Current Projects:

OffGridBox Products in all five refugee camps in Rwanda and Nakivale Refugee Camp in Uganda. One Box is planned for Bidibidi Refugee Settlement in Q4 of this year, though we would like to be active in all camps.

Planned Projects:

We need project implementing partners, to whom we can be tech providers. Our ideal project partners are organizations that are founded and run by refugees. We are especially interested in organizations pushing agroforestry and entrepreneurship for small and medium enterprises. We want to solve the clean water issue in the toughest communities, building sustainable business models that cover the opex for our OffGridBoxes for decades to come. We want to understand the energy needs in the communities and what role we may play in the field. Where we can see business viability, we are ready to pilot business models in the West Nile and Turkana to scale our work in the wider humanitarian context

plasticpreneur®

Plasticpreneur

Waste Management / Manufacturing

Company Profile:

Plasticpreneur is developing, designing and manufacturing plastic recycling machines, standard and customized moulds, and is offering all kinds of other services such as technical training & assistance, market research & consulting, design & product development as well as entrepreneurship training and programs.

Current/Planned Projects:

Uganda: - Bidi Bidi Refugee Settlement: Small project with set up of machines; - Kisumu: EcoBrixs, best Showcase of plasticpreneur products in Africa. Kenya: Kakuma Refugee Camp
We are planning to set up an "impact Funds". Products: Product Owner/Purchasing Departments.

Expertise and commitment to humanitarian context:

Waste management // resilient, independent production // educational programs for educational institutions, public offices, corporates, schools, etc. // development of products and projects in the local surrounding.

Interested in meetings with:

Ministry/Partners in Waste Management, Plastic Recycling, Technical vocational training association/departments, Distributors, Investors regarding Impact Funds, Experts in Leasing/Micro Credit Impact projects.

Rennhak GmbH

Agribusiness / Skills Development / Manufacturing

Rennhak Bäckerei-Technik GmbH

Company Profile:

The Rennhak Bäckerei-Technik GmbH specialises in used bakery machinery and equipment from well-known German and European manufacturers. Machinery for dough production, dough processing and professional ovens and much more are checked, cleaned and refurbished according to customer requirements.

Current/Planned Projects:

We are looking for investors and entrepreneurs who are interested to set up a new bakery and to accompany the new business on site. It is necessary that there is someone locally who has knowledge in the baker's craft.

Expertise and commitment to humanitarian context:

We can plan and develop a conception for the set up of a bakery project in Uganda / Kenya. We can deliver a complete, used, basic equipment for a new bakery for an attractive price.

Interested in meetings with:

Investors, entrepreneur with knowledge in the baker's craft, technical partner who can check the requirements for the electrical supply?!

Seawater Solutions

Seawater Solutions

Agribusiness / Natural Resource Managment

Company Profile:

Our solution combines a number of operational models and technical approaches in tandem to deliver measurable livelihood impacts long-term for communities in the orbit of our blue carbon projects

Current Projects:

Seawater Solutions has undertaken Blue Economy and livelihoods projects with DFID, FAO, WFP and USAID. A recent project funded by WFP saw the establishment of circular and regenerative aquaculture systems built for mangrove restoration in Bangladesh for food security and climate resilience.

Planned Projects:

Seawater Solutions has been working in dryland regions for a few years now, in repurposing saline groundwater boreholes to irrigate desert soils for the production of salt tolerant crops that store carbon, produce high-value commodities like animal fodder, nutritious food, and even energy. We are seeking to collaborate with public-private sector partners to launch large-scale agro-ecology projects in Kenya, especially with a focus on creating dignified job opportunities for refugee communities and their host communities. We welcome UNHCR and partner organisations to engage with us in the design of desert terraforming/agriculture projects in Northern Kenya.

Expertise and commitment to humanitarian context:

Seawater Solutions develops large-scale (500+ hectare) conservation agriculture projects with private sector funders that invest in carbon credit development. We are seeking to raise finance through carbon markets, but require match funding from international development partners

SUNfarming

Energy / Agribusiness

Company Profile:

SUNfarming developed our innovative, award-winning concept to allow the introduction of farming in combination with renewable solar energy production.
We provide higher mounting structures and increased row spacing. We use special glass-glass modules that let through more sunlight. With this Agri-PV system, we create a suitable microclimate for plant and livestock cultivation.

Current/Planned Projects:

We are talking to various parties regarding opportunities in Kakuma. We are also in discussion with a University to provide a solar roof-top solution.
We would like to understand the opportunities and the risks associated with establishing an Agri-PV installation in Kakauma.

Expertise and commitment to humanitarian context:

Training and capacity building on PV installations, agricultural production, hydroponics, drip irrigation systems - essentially everything required to develop sustainable small-scale farmers.

Interested in meetings with:

Technical distribution partners, Other possible bankable off takers for power, Governmental agencies responsible to issue licenses and other trade requirements, Possible logistics partners, Possible financing partners.

SUSTAINSOLAR

Sustainsolar Energy

Company Profile:

SustainSolar's core business is designing, manufacturing, commissioning, and servicing its modular and innovative range of containerized systems suitable for various applications such as off -grid, mini-grids, rapid deployment, and energy storage (e.g. back-up, self-consumption optimization, etc.)

Current/Planned Projects:

Included in the project reference i.e. Utility 2.0 in Kiwumu, and 5 X health clinics in Lake Victoria

Expertise and commitment to humanitarian context:

SustainSolar would like to partner with mini-grid developers, NGOs supporting electrification of health clinics and/or schools, EPC implementing C&I projects with storage

Interested in meetings with:

SustainSolar has developed its own in-house innovative and competitively priced construction finance. The finance instrument is well suited for health facilities electrification (HFE) roll-out programmes as developers do not need to raise any upfront capital for our power systems. Through this mechanism we join the project not only as technology solution provider, but also a risk-sharing partner. The initial grant payments fund the developer's field work and the purchase of the required medical equipment (e.g. incubator, steriliser), while subsequent milestone payments are used to re-imburse SustainSolar only after installation and commissioning. Overall, this business model can lead to faster implementation timeframes, and therefore tangible impact on the communities.

W. Giertsen Energy Solutions

Energy

Company Profile:

W. Giertsen Energy Solutions acts as system integrator and long-term solar energy lifecycle partner. Specialized in the design, engineering and execution of application-specific solutions, we gear projects toward the safe, efficient and reliable operation, reducing long-term energy cost and environmental impact.

Current/Planned Projects:

The companies has LTAs with UNHCR, UNPD and WFP and we would like to spread that information across to other agencies that can piggy back on them.

Expertise and commitment to humanitarian context:

We have inhouse technical staff and a Product Development. We have reference projects in Turkana and have supplied solar lights to West Nile via UNHCR. In Uganda We have a local partner that can also assist us installations, Service and Maintenance.

Interested in meetings with:

We would like to meet the ministry of Energy if possible, UNPD, MUNISCO (the engineering team) WFP, UNDP and RED Cross. We have some local liaisons we have engaged, but would be happy to receive reference from your network also for distribution our products and services.

WaSH Innovation

WaSH Innovation

WASH

Company Profile:

WaSH Innovation provides portable water-saving devices for personal hygiene. We dedicate our kits to everyone who has or may have a problem with access to running water for personal hygiene purposes caused by external factors such as natural disasters, military operations, or other similar causes

Current/Planned Projects:

Pilot installation of hand washing stations in schools in Kenya.
We are looking for partners/people dealing with water, sanitation and hygiene (WASH) from organizations such as UNICEF, WFP, WHO, Red Cross, etc.
We are looking for producers of plastic products who are interested in the production of devices designed by us under our license. I would like to meet, for example, Ms. Barbara Mulwana CEO of Nice House of Plastic

Expertise and commitment to humanitarian context:

We have developed a design and production technology of a new type of water tap, which provides the ability to operate with the elbow or foot in order to ensure a high level of hygiene, and additionally ensures low water consumption. We can start a licensed assembly and production on the spot.

Interested in meetings with:

Distribution / technical partner in Kenya for example : https://www.adixplastics.com/
Distribution / technical partner in Uganda for example: Nice House of Plastic or Mukwano

WINGCOPTER

Wingcopter

Health / Logistics

Company Profile:

Wingcopter is a German delivery drone manufacturer and drone delivery service provider focused on optimizing medical supply chains and last-mile logistics of packages, tools, spare parts, food and groceries.

Current and Planned Projects:

We don't have any current projects in Uganda and/or Kenya, just Malawi and an upcoming project in South Africa.
Planned: We are working on a project in Uganda with Siemens Healthcare which would be based outside of Kampala.

Expertise and commitment to humanitarian context:

We are experts in drone operations and have a strong focus on localization/training locals. We can support with complementing existing supply chains in transporting emergency healthcare products, food, etc. We can offer partners/customers a reduced turnaround time on their products, in some cases reducing the travel time by 70% and ensuring cold chain and WHO-required triple packaging for infectious samples.

Key takeaways

- Solutions should cater to both refugees and the host population (market size, political buy-in, long-term sustainability, freedom of movement of local staff)
- Hybrid financing models (donor covers CAPEX, revenues cover OPEX) are required for capital intensive projects
- Bringing companies from various sectors together leads to new linkages
- Private sector companies can provide a free reality check for aid projects

First outcomes

- Seawater Solutions will work with FAO to plant salt-tolerant crops in Kalobeyei and will start providing feed to local pasteuralists
- BASF will support capacity building at Turkana Chamber of Commerce
- DOT glasses and Be-Grow already offer their services and projects through local partners in Kakuma
- Plasticpreneur will expand in both Kenya and Uganda

Upcoming congress fair on Off-Grid with renewable energies in Germany

OFF-GRID
Expo + Conference

OFF-GRID Expo + Conference
December 1–2, 2022

OFF-GRID TechDay
November 30, 2022

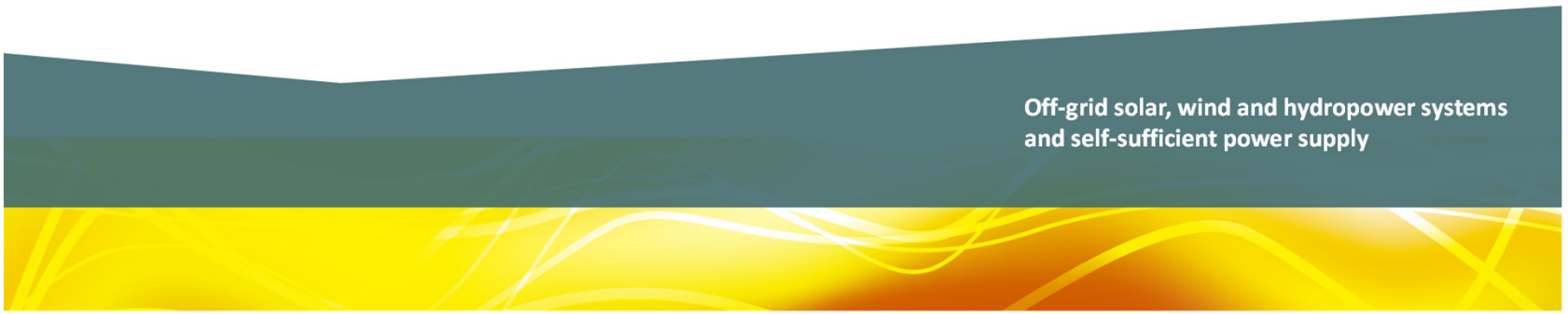
THE only international congress fair in Europe that is purely focused on OFF-GRID with renewable energies

Physical trade fair for the entire OFF-GRID sector with approx. 60 exhibitors

English-speaking conference (on site and via live stream) with approx. 50 speakers in cooperation with our partner ARE (Alliance for Rural Electrification)

Hybrid version: digital conference and digital matchmaking option

Two days of intensive networking with experts of the international community through matchmaking opportunities



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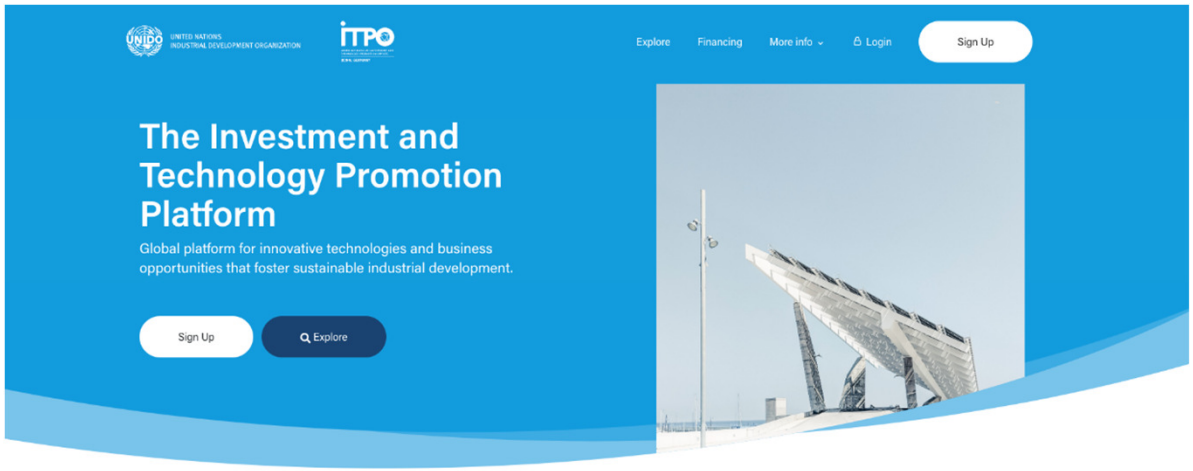

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