

## Track Record

# Rural electrification – projects involved



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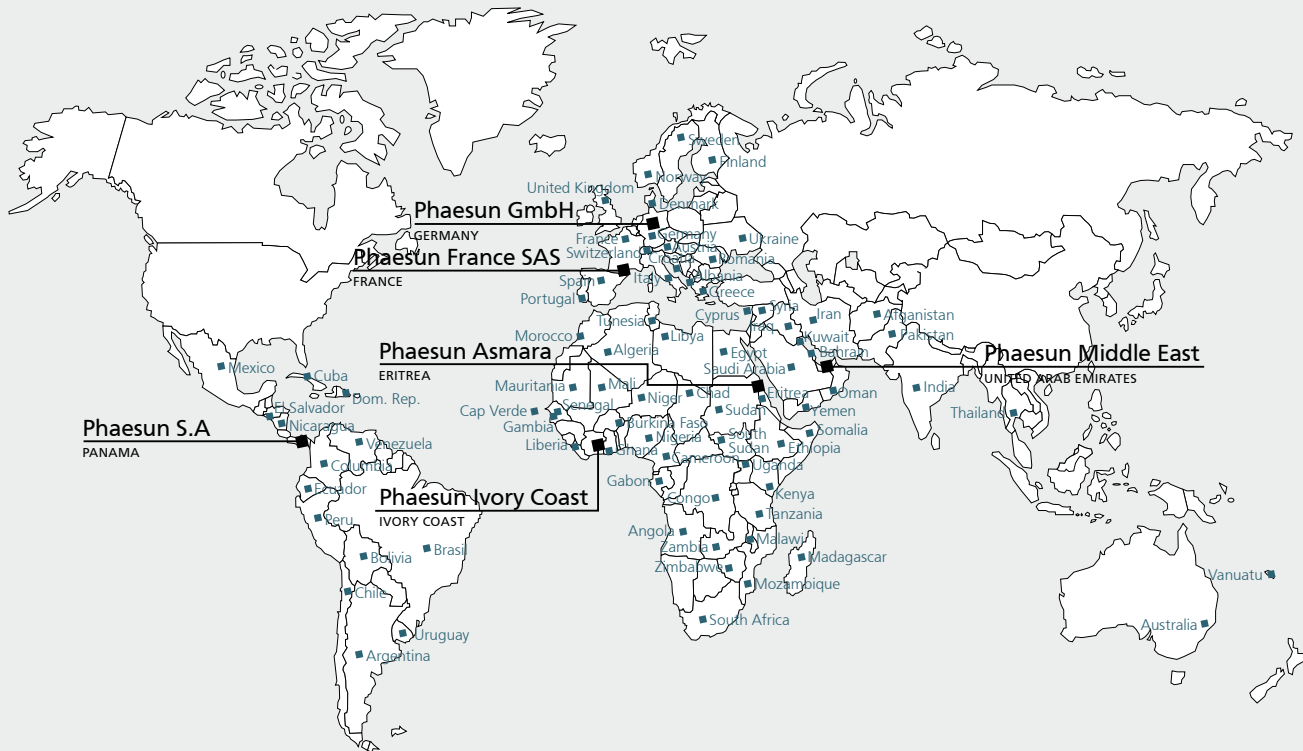
Year	Location	Customer	Description of the project	kWp
2001	Benin	SODETAP	5 solar refrigerators	3.0
2001	Cambodia	FONDEM	30 centre electrification	10.0
2001	Haiti	FONDEM	Electrification of 9 peri urban centres	3.0
2001	Madagascar	FONDEM	12 health centres	4.7
2001	Morocco	ONE	1.200 modules supply	72.0
2001	Niger	Belko Hydraulique	Wildlife electrification	5.0
2002	Sudan	UNDP Karthoum Office	2 Pump systems and WHO refrigerators for health stations	6.0
2002	Ghana	Ministère de l'éducation	350 lighting kits for schools	28.0
2002	Mali	GD Distrie	230 lighting and fridge systems	13.8
2002	Morocco	ONE	2.200 modules supply, 230 individual kits in Touarirt area	155.0
2002	Morocco	Afrisol	Modules supply	2,000.0
2002	Niger	Ministère de la santé	Electrification of 20 health centres	7.0
2003	Morocco	ONE	4000 Solar Home Systems for 10 years	300.0
2003	Mauritania	Ader	Supply of 1540 kits	52.0
2003	Sudan	UNDP Khartoum Office	Different Solar Home Systems	2.4
2004	Greece	Closter Athos	Stand alone PV system for several cloisters	120.0
2004	Gambia	Aid the Third World	Solar system for hospital	6.0
2005	Algeria	BP Algérie	Hybrid PV/ diesel system in the village of Ihrir	12.8
2005	Cabo Verde	ENGEOBRA	Hybrid systems for 2 schools	61.5
2005	Liberia	UNICEF	Solar powered PV refrigerators	22.8
2005	Zambia	The Zambia Social Investment Fund	Electrification of 121 community-based organisations and 9 schools in rural areas	250.0
2005	Uganda	GTZ	45 solar home systems	6.9
2005	Congo	GTZ	Power supply for GTZ office	4.3
2005	Sudan	Min. of Health	14 WHO refrigerator complete systems	4.8
2006	Libya	UNICEF	160 solar powered refrigerators	38.4
2006	Thailand	Boss Protec GmbH	Solar Off-Grid systems for office and health stations	9.2
2006	Pakistan	Siemens Pakistan Ltd.	Power supply for different villages in Pakistan	35.0
2006	Mauritania	Somer	1.450 Solar Home Systems	29.2
2006	Afghanistan	Dansk Solarenergie	120 solar street lights	28.8
2006	Sudan	Ministry of Health	25 WHO refrigerator complete systems	4.0
2007	Chad	SODETAP	PV systems for hospitals	10.9
2007	Zambia	Toyota	181 PV systems of 455 Wp	82.4
2007	Albania	Power Albania	110 small backup power systems	-
2007	Syria	LEWA	PV stand alone system	4.5
2007	Madagascar	Hotel Laguna	PV Off-Grid power supply for hotel	7.2
2007	Senegal	GTZ	Street lighting	11.3
2007	Iraq	Ministry of Electricity	Street lighting systems	5.9
2007	Somalia	Diakonie Emergency Aid	Power supply for health stations	2.8
2008	Madagascar	FID	52 health centres and schools	230.4
2008	Ghana	UNICEF	10 solar powered refrigerators	58.3
2008	Gambia	UNICEF	38 solar powered refrigerators	135.9
2008	Nigeria	WHO	153 solar powered refrigerators	255.0
2008	Iraq	Ministry of Electricity	6000 street lighting systems	900.0
2008	Senegal	GTZ	Solar home systems, hybrid system, street lights	19.2
2008	Iraq	Ministry of Electricity	7000 street lighting systems	1,050.0
2009	Central African Republic	Technosol	Sunny Island System	15.0
2009	Ethiopia	GTZ	Solar Home Systems	7.5
2009	Liberia	GTZ	Solar Home Systems	6.0
2009	Algeria	MIEA ASC	Components for PV systems	4.5
2009	Eritrea	Ministry of Education	Solar systems for schools	11.5

Year	Location	Customer	Description of the project	kWp
2010	Kuwait	Kuwait Cool & Solar	AC coupled system	12.0
2010	Kuwait	Kuwait Society of Engineers	Backup systems	–
2010	Kenya & Namibia	Yingli Green Energy Europe	Football for Hope Centre lighting systems	1.6
2010	Nigeria	Sudbraty	500 x street lighting systems	85.0
2010	Eritrea	UNDP Eritrea	School lighting system and Solar Home System for teacher residence	1.4
2010	Eritrea	Grundschule Adi Belsey	PV system for teacher's and computer room	2.2
2010	Eritrea	Adebeza Church	Solar system for church	0.2
2010	Burkina Faso	Ikratos Africa	5 PV systems, 2.500 W/15 hrs load	11.0
2011	Tanzania	ICSEE	100 Ulitium based Solar Home Systems	0.02
2011	Sudan	UNDP	26 power systems	0.2
2011	Liberia	GIZ head office Germany	PV power supply for field office	0.1
2011	Mozambique & Tanzania	Yingli Green Energy	Pitch lighting systems for Football for Hope Centre	2.8
2011	Ethiopia	PLAN International	PV systems for schools, health stations, water pumping systems	10.0
2011	Sierra Leone	UNDP	PV power supply for 30 schools	19.5
2012	Iraq	Raban al Safina	2000 street light systems	–
2012	Cameroun	Yingly Green Energy	Pitch lighting systems for Football for Hope Centre	2.0
2012	Tanzania	ICSEE	400 Ulitium based Solar Home Systems	1.2
2012	South Sudan	Savanna	400 Ulitium based Solar Home Systems	1.2
2012	Ethiopia	PLAN International	500 solar lanterns	1.5
2012	Eritrea	Office of President	Solar systems for health centres	22.0
2012	Somalia, Madagascar	UNICEF	50 solar refrigerator systems 270 WP, capacity 76 L	13.5
2012	India	UNICEF	2 solar refrigerator systems 165 WP, capacity 18 L	0.3
2012	Mauritania	UNICEF	5 solar refrigerator systems 165 WP, capacity 18 L	0.8
2012	Zimbabwe, Botswana, South Africa	Yingli Green Energy	Pitch lighting systems for „Football for Hope“ centres	6.0
2012	Pakistan	UNICEF	9 solar refrigerator systems 220 WP, capacity 76 L	2.0
2013	Somaliland	Horn Renewables	BOSS cooling system and mobile phone charging station for kiosks	0.2
2013	Eritrea	FAO Eritrea	Off-Grid Connect system, backup with PV for FAO-office	12.6
2013	Eritrea	Nelto Church	AC-Solar Home System for audio system and lighting	1.1
2013	Cameroon	Projet Baham/Matrix Power	200 street lighting system	28.0
2013	Ghana	Central University Collage/ Lumentech	Back up system for university	—
2013	Eritrea	German Embassy Asmara	Hybrid back-up for embassy & ambassadors house with PV	6.0
2014	Ethiopia	AAU	500 Solar Home Systems and 9000 lanterns	25.0
2014	Eritrea	EU – Ministry of Development	429 community courts	310.0
2014	Somalia	Horn Renewables	BOSS Solar Cooling Kits	5.0
2014	Nigeria	AO Demarg	40 streetlights	5.4
2014	Ivory Coast	STel	45 streetlights PAA	9.0
2015	Eritrea	Aktion Eine Welt	Power supply for school	4.5
2015	Sudan	Solarman	Streetlights	52,6
2015	Gabon	PSF	Off-Grid Connect for private house	38
2015	Chad	PSF	21 streetlights	2.2
2015	Ivory Coast	Port Autonome d'Abidjan	85 streetlights	17
2015	Ethiopia	Lydetco Plc	2 Off-Grid Connect Systems	5.6

Note: Only extract until December 2015

## Around the world:

Through the members of the Phaesun Group and our network of associated companies we have successfully supplied and managed hundreds of sustainable energy projects in more than 60 countries worldwide.



Phaesun's range of integrated services includes complete customized Off-Grid systems in the field of rural electrification, health care, telecommunications, education and water supply. We also have an extensive range of pre-configured kits. When designing our solar systems we always focus on ease of installation, minimal maintenance and long operating life. Systems are designed around readily available components, energy efficient loads, appliances and equipment. Local sourcing is our priority whenever it is possible.

- Countries in which Phaesun has successfully realised projects
- Phaesun and associated companies

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