

بسم الله الرحمن الرحيم

Solar

Energy Enterprises Co. Ltd

شركة أعمال الطاقة الشمسية المحدودة

Tel/fax: +249 85 328568

P.O. Box : 13432 Khartoum – Sudan

ص.ب: 13432 الخرطوم – السودان

e-mail: hamadtosa@hotmail.com
hamadtosa@yahoo.com

Director : Dr Salih Hamadto
Mobile Phone : +249 912392526

COMPANY PROFILE



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COMPANY PROFILE

1. General:

Solar Energy Enterprises Company (**SEEC**) is a private Sudanese company working in steel fabrication and special adapted technologies, like solar and renewable energy and rural water supply and clarification facilities. In addition, the company offers a range of specialized scientific and engineering consultancy work, specially in environmental protection issues.

The company, which is a propagation of “Dr. Salih Hamadto’s Enterprises”, established in 1983, has successfully carried out many large contracts, a list of which is depicted in 6. under. The company is also considered as a leading private-sector establishment concerned with scientific and industrial research and development, and the training of high-grade technical personnel. Through its excellent association with the scientific and academic community, the company has also carried out, in addition to contracting, many consultancies.

2. Customers:

There is a wide spectrum of customers and clients to the company, including:

- ▶ NGO’s, Charities and Embassies (Fellowship for Africa Relief, The British Embassy in Khartoum, CIDA, The Catholic Church, Islamic Relief Agencies, etc).
- ▶ Government technical bodies (Ministries of Irrigation, Energy and Mining, Municipal and Rural Water Corporations, Sudanese Standards and Metrology Organization, etc).
- ▶ Private Businesses (Concorp, Heglig Petroleum Services and Investment Co, Diesel Generator Co., Arab Co. for Agricultural Production & Processing, Coca Cola, etc.).
- ▶ Oil Companies operating and/or serving in Sudan :-
 - Greater Nile Petroleum Operating Company (GNPOC).
 - White Nile Petroleum Operating Company (WNPOC)
 - Petronas
 - Petrodar Sudan Ltd.
 - Schlumberger
 - CNPPC

3. Scope of Activities:

- **Steel Fabrication**, with active production lines in:
Heavy sheet metal rolling, with products covering:
 - Fuel storage depots, to millions of gallons capacity.
 - Fuel ground storage tanks.
 - Steel pipes and road culverts
 - Water storage tanks and elevated tank's towers.
 - Rural water treatment units.
 - Specialized products developed locally for the oil industry, like **oil skimmers**, special skid tanks and cellars for oil drilling rigs.
 - Sheet metal office furniture.
 - General steel fabrication of steel structures, Hangers, grill work and fittings.

- **Solar Energy Utilization**, covering:
 - The local design, manufacture and dissemination of solar thermal utilities, like domestic dish cookers, domestic hot water systems, water distillers, food dryers and large-scale community kitchens, with units cooking three meals a day for a thousand people.
 - The design, procurement and installation of solar electric systems, like solar pumps, lighting and telecommunication units, cathodic protection systems, etc.

- **Rural Community Development (CD) Projects:**
 - Rural Drinking Water projects: clarifiers, towers, tanks & Water delivery systems.
 - School Buildings: design, fabrication & erection.
 - Clinical & medical centers, vocational training centers , community buildings.
 - Agro storage facilities.

- **Personnel Training**
 - As a matter of policy, and as part of its mission, the company sponsors young Sudanese scientists, students and technicians. Over the past years, over 160 B.Sc. graduation projects and 26 M.Sc.'s were sponsored, to degree attainment. Hundreds of technicians (welders, fitters and sheet metal workers), mostly interns from vocational training institutes, have also been trained in our workshop.

- **Consultancy Work:**
 - **The company has useful links with many Sudanese and international scientists and experts. Useful consultancies, some world-class (see 4. under) have been carried out in the fields of Bioremediation of oil produced water, small industries development, environmental issues, technical education, optics and instrumentation.**

4. Manpower and Management:

Chief personnel are:

- Dr Salih Hamadto, Managing Director.
- Engineer Amira Sharaf El Din, Chief Design Engineer.
- Mr Mubarak Hasanane, financial manager.
- Engineer Sabri Abdul Mageed Mustafa, Production Superintendent.

Regular employees of the company include two foremen, four fitters, six welders, six sheet metal workers and four general workers, plus an executive secretary and two guards. The company has good access to the best contract labour, when the need arises.

The company keeps audited accountants and has an open & transparent accounting system. Our hiring policy is based on ability and honesty, not on religious or tribal affiliations. We boast a labor force that represents the whole of Sudan.

5. Assets:

- Factory premises: 4000 square meters, with admin quarters, 1000 m² work hanger, supplied with electricity and water services, with a stand-by genset. No 43, Block 8, Khartoum North Industrial Area. The office is equipped with ultra-modern computer facilities (network-connected), design and drawing aids, with connection to the internet.
- Machinery: Numerous, including:
 1. Sheet metal roll – 3000 mm long sheet by 16 mm thick with **cone rolling** facilities.
 2. Heavy duty (4-5 mmx3m) bending brake.
 3. Angle and section rolls.
 4. Section cutter (angle, bar, punch, coper and sheet; up to 3 inch).
 5. Electric Shear (2500 mm long x8 mm thick sheet)
 6. Hydraulic press.
 7. Welding machines (thirty)
 8. Drilling and finishing machines.
 9. Sheet metal bending machine.
 10. Spot welder.
 11. Complete set of tank-erection tools, hoists and test equipment.
 12. A variety of punches, presses, etc.
 13. Mig welding equipment.

6. Some Representative Projects Executed by The Company:

Year	Client	Name of Project	Brief Description
2006	White Nile petroleum Operating Company (WNIPOC)	Oil well head Ring Cellars	Forty heavy pipes (2m diam, 2m height x 8mm MS) for well head cellars
2006	Diesel Generators Co	Fuel Storage tanks	About 80 diesel fuel storage tanks, from 2 m ³ to 40 m ³ capacity, over the year.
2006	Vega Aviation	Special Aviation Equipment	Ground handling manual and mechanized vehicles, hoists and work benches.
2005	WNPOC	Rural Drinking Water Unit	Complete drinking water station (20 m ³ per hour) installed in Mirmir village, Southern Sudan.
2005	WNPOC	Oil Well Head Cellar Rings and Cages	Units for more than 50 wells
2005	Diesel Generators	Fuel Storage tanks on skids	Thirteen tanks, for the generators of the camps of the UN mission in Southern Sudan.
2005	United Nations Office for Project Services (UNOPS)	Residential, Office and ablutions camp units.	Four units (converted ISO containers) with full insulation, electrical grid, air conditioners and furniture.
2005	White Nile Petroleum Operating Company (WNPOC)	Rural Drinking Water Station.	Supplying over 200 m ³ of safe drinking water per day. Installed and operated In Thoan village, Southern Sudan.
2005	The UN Joint Military Commission (JMC).	40ft Camp Sleeping Units	Three units of 40 ft ISO container modified for sleeping unit. Two separate compartments, one to sleep single person, the second to sleep four.
2004	Petronas Carigali White Nile (5B) Ltd.	M.S. Pipes for Road Culverts	250 meters length of M.S pipes, diameters 900mm, for all-weather road culverts in Thar Jath, Southern Sudan
2004	JMC	64,000L Jet Fuel Tank	Two 64,000 liter fuel storage tanks with floating suction. Complete with fittings, internal epoxy paint and external paint.
2004	Petronas	M.S. Pipes for Road Culverts	200 meters length of M.S pipes, diameters 900mm, for all-weather road culverts in Thar Jath, Southern Sudan
2004	Petronas	40ft Sleeping Unit	40 ft ISO container converted and insulated. Two separate compartments, each to sleep Ten persons.
2004	Petronas	400 BBL Skid Tanks	Four tanks with standard fittings.
2004	CocaCola (Sudan)	Light Boxes	600 units of advertising Light Boxes
2004	Petronas	M.S. Pipes for Road Culverts	210meters length of M.S pipes, diameters 900mm, for all-weather road culverts in Rabkona, Southern Sudan
2004	Petronas	Ring Cellars	Twenty heavy pipes (2m diam, 2m height x 8mm MS) for well head cellars
2004	Petronas	Fuel storage tank	Three each 20,000 gallon (each) overground tanks on skids.
2004	Petronas	Well head cages	20 heavy cages for well head protection
2004	Schlumberger	Mud Lab Units	Three converted 20 ft containers, with sleeping quarter, bathroom and complete lab with sink.
2003	Schlumberger	Cutting Boxes	Special collection boxes for mud plant.
2003	Petronas	Heating Unit	Complete system for heating of crude in skid tanks.
2003	Petronas	Sand Trap	Centrifuge for separating sand from crude.
2003	Merawi Dam	Engineers City Power Station Building & Fuel	Manufacture & erection of 400 m ² hanger plus 50,000 gal storage tanks, with fuel delivery system

		System	
2003	Petrodar Operating Co.	Conductor Pipe for Oil Well	10mm thick 20" pipes, rolled and welded to very high precision.
2003	Arab Co. for Agricultural production & processing	Specially poultry trolley for	60 food-quality trolley, with shelves to take 500 Kg slaughtered chicken in the cold storage room.
2002	Greater Nile Petroleum Operating Company, GNPOC	Floating Oil Skimmers (Patent Pending)	Seven specially developed skimmers, based on an innovative concept. They helped GNPOC to retrieve \$2,000,000 worth of floating oil in ten days.
2002	Ludin Oil Sudan	400 BBL Skid Tanks	Two 400 BBL skid tanks, complete with fittings, level indicator, internal epoxy paint and external paint.
2002	Lundin Oil Sudan	20 m ³ water tanks on towers	Four each tank and tower for Lundin's Community Development work in their concession Area
2002	GNPOC	400 BBL Skid Tanks	Seven tanks with standard fittings.
2002	Sky International	Irrigation water delivery pipes and fittings.	Sixty 35 cm diameter, 6 m long, pipes with flanges, elbows, non-return valves and reducers, for a complete water pump delivery line.
2002	GNPOC	Design of Produced Water Containment Ponds	Consultancy Work on the design and supervision of construction of produced water containment ponds in seven processing facilities in the Heglig area.
2001	Heglig Petroleum, for GNPOC	Hydraulic structures and MS Pipes	3 km length (in 12 m section of 6 mm MS pipes, 50 cm diameter, for produced water conduction, plus irrigation regulator gates
2001	International Petroleum Corporation (IPC)	M.S. Pipes for Road Culverts	1 kilometer length (in 2.5 m sections) of M.S pipes, diameters 1.01 and 1.24 m, for all-weather road culverts in Unity state, Southern Sudan
2001	Ministry of Energy & Mining (MEM)	Solar Commuity Kitchen to Northern Province	8 kW (thermal), locally manufactured community kitchen facility, to cook 3 meals a day for about 600 people.
2001	Sudan Interior Mission	School Furniture	1200 items of special sheet metal SCHOOL furniture.
2000	Greater Nile Petroleum Operating Company (GNPOC)	The Bioremediation Project in Heglig	Consultancy work: Study, analysis, design and tender documents for the implementation of a Bioremediation project for the disposal of water produced at the Heglig central processing facility.
2000	GNPOC	Assessment of Options For the Disposal of oil Produced Water	Consultancy Work: Study on the available options for surface and/or subsurface disposal of oil produced water.
2000	Canadian International Development Agency (CIDA), sponsors.	Drinking water Facility for Tangasi village.	Static (steel) drinking water clarifier, with sand filters, buffer tank and storage tank to supply clean water for about 7000 people.
2000	The Ethiopian Embassy, Khartoum	Outer wall grill work	200 pieces, each 2.2 m long of intricate steel grill-work for the embassy new building.
2000	The British Embassy, Khartoum	Translated people camp utilities	More than 600 items of steel furniture for schools and hospitals.
1999	Sennar Sugar Factory	Fuel Depot	100,000 imperial gallons vertical welded steel tank, according to API 650, with connecting pipe network
1998	Sudanese Standards and Metrology	Standard Drinking Water Treatment Test	Steel plant, incorporating dynamic clarifier, sand filters, mixing tanks, raw water tank,

	Organization (SSMO).	Plant	
			anti-septic (chlorin) treatment and fresh water tank. To act as a standard for dosing. Produced 10 000 gallons of treated water per day.
1998	Ministry of Irrigation	Water conduit pipes and gates	35 cm to 124 flanged steel pipes. 200 pieces of 2.5 m lenth.
1998	Ministry of Energy & Mining	Solar Community Kitchen	In Gedarif Prison. Catering for 1000 people, three meals a day.
1997	Concorp Refinery	Fuel Depots	One 5000 m ³ tank, three 2200 m ³ tanks and one 1200 m ³ tanks. API 650 specifications.
1997	Sudan Interior Mission	Solar Pump	In Abri. Drinking water for the Main Regional Hospital
1996	Ministry of Irrigation	Irrigation pipes and gates	101 cm & 124 cm pipes and regulator gates. About 400 pieces.
1995	The Government of Dar- Fur	Solar Community Kitchen,	Catering for 2000 people, three meals a day.

Dr Salih Hamadto
Managing Director, SEEC

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