

## Project reference list

YEAR	CLIENT	USER	SYSTEM	APPLICATION	COUNTRY
2009	Zawawi trading	PDO Oman	500 Wc/24V Cathodic protection controller	Cathodic Protection	Oman
2009	Shinba IES	Brunei Shell	250 Wc/24Vdc ATEX explosion proof solar power system for BSP MGDP-03 platform	Energy supply for complete platform	Brunei offshore
2009	Petro Middle East	Adma Opco	106 Wc/24Vdc ATEX explosion proof solar power systems	Corrosion inhibitor injection	Abu Dhabi - offshore
2009	Geveke	Bapetco	352Wc/24Vdc Solar Power Systems	Chemical injection	Egypt
2009	Shinba IES	Total Brunei	After sales services for existing Eex solar power systems	Energy supply for complete platform	Brunei offshore
2009	Alsa	Gasco	Solar powered passive cooled shelter 475 Wc / 24 Vdc (Emal project)	Instrumentation, telecom, Scada	Abu Dhabi
2009	Shell UK/NAM	Shell UK/NAM	Reconstruction and maintenance on solar/wind hybrid power systems	After sales services	UK/The Netherlands offshore
2008	NPCC	Adma Opco	2x 756Wc / 24Vdc ATEX explosion proof solar power system for IGD project	Energy supply for complete platform	Abu Dhabi - offshore
2008	Cirrus	Cirrus	1200 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid system for M7 platform	Energy supply for complete platform	The Netherlands - offshore
2008	Wintershall	Wintershall	Supply of components for explosion proof trial solar/wind hybrid power system	Energy supply for complete platform	The Netherlands - offshore
2008	Zadco	Zadco	100 Wc / 24Vdc solar power systems for Well head platforms	Water injection	Abu Dhabi - offshore
2008	Zadco	Zadco	Engineering study for solar/wind hybrid power systems for Satah & UAD WHP system upgrade	Energy supply for complete platform	Abu Dhabi - offshore
2008	Technip Malaysia	Shell Malaysia	Engineering study for solar/wind hybrid power systems	Energy supply for complete platform	Malaysia - offshore
2007	Zawawi trading	PDO Oman	500 Wc/24V Cathodic protection controllers	Cathodic Protection	Oman
2007	Ori Italy Srl.	Saipem	100 Wc/24Vdc ATEX explosion proof Solar system for Black tip gas field - Timor	Metering	Timor - offshore
2007	Snef Gabon	Shell Gabon	After sales services for existing Solar Power Systems	Telecom	Gabon
2007	CCC	Gasco	Solar powered passive cooled shelters 421 Wc + 459 Wc / 24 Vdc (OAG Gas Pipeline)	Instrumentation, telecom, Scada	Abu Dhabi
2007	AJS	Shell UK/NAM	After sales service contract for Solar/Wind Hybrid systems for Cutter/K17 platforms	After sales service contract	UK/The Netherlands - offshore
2007	Swift Energy Sdn Bhd	Petronas Carigali	2x 69 Wc/24Vdc ATEX explosion proof Solar system for Petronas Carigali Erb West & Tembungo platforms	Metering	Malaysia - offshore
2007	Nuon	Fres	Solar powered rural electrification project for the city of Kimparana 72 kWp / 48Vdc	Rural electrification	Mali
2007	PPC Ltd.	various	10 Solar powered medical fridges	Medical	Nigeria
2007	CCC	Gasco	Solar powered passive cooled shelters 474 Wc / 24 Vdc (BuHasa Habshan Pipeline)	Instrumentation, telecom, Scada	Abu Dhabi

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2007	Sicon Oil	Dolphin Energy Ltd	Solar powered passive cooled shelters 8 x 400 Wc / 24Vdc + 1 x 200 Wc / 24 Vdc	Instrumentation, telecom, Cathodic Protection	Abu Dhabi
2006	Western Bell Engineering Company Ltd.	SPDC Nigeria	Vandal proof solar powered systems 630Wc/48Vdc + 30Wc/24Vdc for Patani site	Telecom, security lighting	Nigeria
2006	Dodsall Pte. Ltd.	Abu Dhabi Oil Refining Company (Takreer)	Solar powered passive cooled shelters 773Wc / 48Vdc & 398Wc / 48Vdc	Instrumentation, telecom, Cathodic Protection	Abu Dhabi
2006	Iv Oil & Gas	NAM	1400 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid system for L09-FA platform & 1200 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid system for L09-FB platform	Energy supply for complete platform	Netherlands – offshore
2006	Iv Oil & Gas	Shell Expro UK	1400 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid systems for Caravel & Shamrock platform	Energy supply for complete platform	UK - offshore
2006	Franzisella S.p.A.	Abu Dhabi Gas Industries Ltd. (GASCO)	Solar Power System 935Wc/24Vdc	Monitoring & Control, Cathodic Protection	Abu Dhabi
2006	Petrofac Facilities Management	Tullow oil	Wind turbine power system 24Vdc ATEX explosion proof for Horne and Wren platform	Energy supply for complete platform	UK - offshore
2006	Hollandia	Newfield	1300 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid system for Grove 49/10a platform	Energy supply for complete platform	UK - offshore
2006	Oman Solar Systems Co. LLC	PDO Oman	500 Wc/24V Cathodic protection controllers	Cathodic Protection	Oman
2006	German Cathodic Protection (GCP)	Company Petroliere Total Libye (C.P.T.L.)	12V/30A solar power systems for Cathodic Protection	Cathodic Protection	Libya
2006	Bluewater	Exxon Neftegas Ltd.	Engineering study for a solar power system for the Sakhalin 1 Project	Offshore	Russia
2006	Snef Gabon	Shell Gabon	After sales services for existing Solar Power Systems	Telecom	Gabon
2006	Petrotec	OXY	After sales services for existing solar power systems	After sales	Qatar - offshore
2006	Petrotec	Qatar Petroleum (QP)	After sales services for existing solar power systems	After sales	Qatar - offshore
2006	PPC Ltd.	SPDC Nigeria	12 Solar powered medical refrigerators	Medical	Nigeria
2006	Syriatel Mobile Telecom SA	Syriatel Mobile Telecom SA	200 Wc @ 48 Vdc & 200 Wc @ 230 Vac solar power systems	Telecom	Syria
2005	Cathodic Protection Co. Ltd.	White Nile Petroleum Operating Company WNPOC	24 Vdc/15 A ATEX explosion proof cathodic protection system for Thar Jath development project	Cathodic Protection	Sudan
2005	Oman Solar Systems Co. LLC	PDO Oman	500 Wc/24V Cathodic protection controllers	Cathodic Protection	Oman
2005	Shell Expro UK	Shell Expro UK / NAM	Supply of a training system and training of operators for earlier supplied Solar/Wind Hybrid system	Training	Netherlands
2005	FMC Energy Systems	Kuwait Oil Company KOC	Engineering project for existing solar powered buoys	Buoys	Kuwait - offshore
2005	PH-NL consortium	various	Feasibility study	Telecom & off grid systems	Philippines

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2005	Total Brunei	Total Brunei	After sales services for existing solar power systems on MLJ1 & MLJ 2 platforms	After sales	Brunei - offshore
2005	Shell Expro UK	Shell Expro UK	1200 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid system for Cutter platform	Energy supply for complete platform	UK - offshore
2005	NAM	NAM	1200 Wc/24 Vdc ATEX explosion proof Solar/Wind Hybrid system for K17 platform	Energy supply for complete platform	Netherlands - offshore
2005	Roxar	Addax Petroleum	Eex Solar Power Systems for instrumentation 25 Wc at 24 Vdc	Instrumentation	Nigeria – offshore
2005	Stolt Offshore	Elf Petroleum Nigeria Ltd.	Supply and commissioning of a 300 Wc @ 24Vdc Solar/Wind/Diesel Hybrid for AMD3 unmanned platform	Scada, telecom, pumps	Nigeria offshore
2005	SSS Korrosionsschutztechnik GmbH	AGOCO	Solar systems for cathodic protection 30A @ 18 Vdc, 20A @ 18 Vdc, 16A @ 8 Vdc, 12A @ 8 Vdc	Cathodic Protection	Libya
2005	Catholic Protection Co. Ltd	AGOCO	Solar systems for cathodic protection 14A @ 12 Vdc	Cathodic Protection	Libya
2005	SSS Korrosionsschutztechnik GmbH	AGOCO	Solar systems for cathodic protection 30A @ 18 Vdc	Cathodic Protection	Libya
2005	Oman Solar Systems Co. LLC	PDO Oman	500 Wc/24V Cathodic protection controllers	Cathodic Protection	Oman
2004	Shel Expro UK	Shell Expro UK	Consultancy services for the delivery of the Cutter platform 1200 Wc/24 Vdc explosion proof Solar/Wind Hybrid system	Consultancy services	UK – offshore
2004	Comon Invent		Solar power System for monitoring fuel leakages	Instrumentation	Netherlands
2004	Oman Solar Systems Co. LLC	PDO Oman	500 Wc/24V Cathodic protection controllers	Cathodic Protection	Oman
2004	SSS Korrosionsschutztechnik GmbH	UN oil for food	18 pcs. Cathodic Protection solar power systems 2500 Wc @ 48 Vdc	Cathodic Protection	Iraq
2003	Roxar	Addax Petroleum	Eex Solar Power Systems for instrumentation 25 Wc at 24 Vdc	Instrumentation	Nigeria – offshore
2003	Shell Expro UK	Shell Expro UK	Engineering of a 1900Wc Explosion Proof Solar/Wind Hybrid system for an unmanned offshore platform	Engineering	UK – offshore
2003	Shell Solar GmbH	Oman Solar	12A/24V Cathodic Protection controllers	Cathodic Protection	Oman
2003	Eco Remain		Solar Power Systems for Cathodic protection of concrete at 12 Vdc	Cathodic Protection	Netherlands
2003	Reshyvent	Aereco	Solar Power Systems for exhaust fans	Miscellaneous	France
2003	Offshore Industries	Malaysian Shipyard Engineering	After sales services for existing Eex Solar Power Systems	After sales services	Malaysia – offshore

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OTHER AREAS OF EXPERIENCE			
YEAR	SYSTEM	APPLICATION	COUNTRY
2002	Solar system on and in 2x 20 feet shelter for cathodic protection 1200 Wc at 48Vdc	Cathodic Protection	Nigeria
2002	2 Eex Solar systems for BKC/BRC platforms	Energy supply for complete platform	Malaysia – offshore
2002	Eex Solar system for BSA platform 200 Wc at 24 Vdc	Energy supply for complete platform	Malaysia - offshore
2002	2 Eex Solar systems for SMK-A platform, 16,8 Wc at 24 Vdc	Explosion proof	Malaysia - offshore
2002	Eex Solar systems for instrumentation 25 Wc at 24 Vdc	Instrumentation	Nigeria - offshore
2002	Installation of 2 CP-container systems 48 Vdc/25 A	Cathodic Protection	Nigeria - offshore
2002	12 Solar systems for cathodic protection 2500 Wc at 48 Vdc	Cathodic Protection	Iraq
2002	Solar/diesel hybrid system, 1000 Wc at 24 Vdc	Instrumentation	Nigeria - offshore
2002	15 kW Solar-Wind hybrid mini-grid system	Mini-grid	South Africa
2001	Solar system for cathodic protection 120 Wc at 12 Vdc	Cathodic Protection	Libya
2001	Solar system for VHF Relaystation Africa 62Wc at 24Vdc	Telecom	Ghana
2001	2 Solar system 32 Wc at 24 Vdc		Nigeria
2001	1x safe area solar system, 3x Eex solar system		Malaysia - offshore
2001	1 Eex solar system 33Wc at 24 Vdc		Malaysia - offshore
2001	2 Solar systems on and in 10 feet shelter for powering telecom	Telecom	Gabon
2001	Solar/Wind Eex hybrid system 1200 Wc at 24 Vdc	Energy supply for complete platform	UK - offshore
2001	Solar system for Sirikit Oil Field CAO project 144Wc at 24Vdc	Instrumentation	Thailand
2001	Solar system for Shell Thailand 144Wc at 24Vdc	Instrumentation	Thailand
2001	5 PV Solar-gas turbine Hybrid systems in mini-grid set-up + SHS systems.	Mini-grid	Philippines
2001	50.000 Solar Home Systems	Rural electrification	China
2000	Solar systems on poles 16Wc at 24Vdc, 100 Wc at 24 Vdc, 120 Wc at 24 Vdc	Telecom	Nigeria
2000	2 Solar systems for Bokor 68Wc at 24Vdc		Malaysia - offshore
2000	50 Solar system on poles 3.5Wc at 12Vdc	Telecom	Nigeria

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YEAR	SYSTEM	APPLICATION	COUNTRY
2000	Extension for a solar generator system	Instrumentation	Netherlands
2000	Solar system for cathodic protection 120Wc at 12Vdc with fence	Cathodic Protection	Libya
2000	5 Solar systems for Midtap, Midor Refinery off Fence Scada & Metering System Project: 140Wc at 24Vdc	Instrumentation	Egypt
2000	Solar system on and in 40 feet shelter for cathodic protection 1200Wc at 48Vdc	Cathodic Protection	Nigeria
2000	5x complete systems Solar system for cathodic protection	Cathodic Protection	Libya
1999	3 Solar system: 42Wc at 24Vdc	Telecom	Nigeria
1999	5000 Solar Home Systems with prepaid facilities, incl. design of electronics	Rural electrification	South Africa
1999	Ex-proof solar system 30Wc at 24Vdc		India - offshore
1999	60 Pole mounted Solar systems for digital telecom system 3.5Wc at 12Vdc	Telecom	Nigeria
1999	19 Ex-proof zone 1 solar system for offshore application 25Wc at 24Vdc		Abu Dhabi - offshore
1999	Extension for solar system for a LPG Refrigerated Terminal 50Wc at 24Vdc		China
1999	4 Solar systems for CAO Scada Sirikit Oil Field 240Wc at 24Vdc	Instrumentation	Thailand
1999	21 Solar systems [16Wc,10Wc, 15 Wc]	Telecom	Nigeria
1999	Ex-proof zone 1 solar system for telemetry offshore application platform D35JT-C 150Wc at 24Vdc		Malaysia - offshore
1999	10 Solar systems 35Wc at 24Vdc	Instrumentation	Oman
1999	25 Solar systems for SPDC Wari outstations varying from 30 Wc to 80 Wc @ 24 Vdc or 48 Vdc	Telecom	Nigeria
1999	Solar systems for offshore application [1x 28.4Wc at 24Vdc and 1x 11.2Wc at 24Vdc]	Instrumentation	Nigeria - offshore
1999	4 Ex-proof solar generator systems 200Wc at 24Vdc		Qatar - offshore
1999	3 Solar system for preventing decay of concrete 1.2-7Wc at 12Vdc	Cathodic Protection	The Netherlands
1999	Solar systems 24Wc at 24Vdc	Instrumentation	Oman
1999	Solar system on poles 100Wc at 24Vdc	Telecom	Nigeria
1998	Solar generator system on 2x 20 feet shelter for cathodic protection 768Wc at 48Vdc	Cathodic Protection	Nigeria
1998	49 Solar systems for pole systems for telecom varying from 16 Wc to 100 Wc @ 24 Vdc or 48 Vdc	Telecom	Nigeria

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YEAR	SYSTEM	APPLICATION	COUNTRY
1998	1 Solar system for chemical injection pump 85Wc at 24Vdc		Qatar - offshore
1998	3000 Solar Home Systems	Rural electrification	Bolivia
1998	2 Ex-proof zone 1 certified solar systems for central platform [300Wc at 48Vdc + 368Wc at 24Vdc] and for satellite platform [444Wc at 24Vdc], Maharajalela Field Development Project	Energy supply for complete platform	Brunei - offshore
1998	Ex-proof solar system (292Wc at 24Vdc) for well head control and RTU (Anding Field Development)	Energy supply for complete platform	Brunei - offshore
1998	Solar system for Aeronautical Radio Beacon Balise Avion (158Wc at 48Vdc)	Telecom	Gabon
1998	Solar system on and in 2x 20 feet shelter for cathodic protection 640Wc at 40Vdc	Cathodic Protection	Nigeria
1998	Solar system 50Wc at 24Vdc		Oman
1998	7 Solar systems 12Wc at 24Vdc	Instrumentation	The Netherlands
1998	20 Solar systems on pole 15 Wc	Telecom	Nigeria
1997	Ex-proof zone 1 solar system for offshore platform Iron Duke IDWJ-1A (2700Wc at 24Vdc),	Energy supply for complete platform	Brunei - offshore
1997	Ex-proof zone 1 solar system (168Wc at 24Vdc) for telemetry offshore application platform BH-D07	Energy supply for complete platform	Qatar - offshore
1997	Solar system for extension of power supply for multi purpose telecom system	Telecom	Gabon
1997	Solar system for telecommunication	Telecom	Gabon
1997	Solar system for telecom-unit	Telecom	Nigeria
1997	7 pole mounted Solar systems for telecommunication (15Wc at 24Vdc)	Telecom	Nigeria
1997	590 Solar systems (3.5Wc at 12Vdc) for RTU on GLO pipeline		Oman
1997	Solar systems for telecom in Koumaga [1x 315Wc at 24Vdc] and Gamba Rabi Hill [1x 416Wc at 24Vdc]	Telecom	Gabon
1997	1 Offshore Ex-proof solar system (55Wc at 24Vdc) for Bunga Kekua Malaysia, BK-A LWS PM-3 Field		Malaysia - offshore
1997	4 Integrated solar systems for cathodic protection Sahil field 105Wc at 24Vdc	Cathodic Protection	Abu Dhabi
1997	4 Solar systems for sluices	Instrumentation	The Netherlands
1997	2 Solar systems for instrumentation on a LPG Terminal (25Wc at 24Vdc)	Instrumentation	China
1997	7 Solar systems for telecom	Telecom	Nigeria
1997	3 Solar systems		Thailand

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YEAR	SYSTEM	APPLICATION	COUNTRY
1997	Solar system (12Wc at 24Vdc)	Instrumentation	The Netherlands
1997	2000 complete Solar Homes systems	Rural electrification	Indonesia
1996	3 Solar systems for telecommunication	Telecom	Cyprus
1996	Solar system 600 Wp		Egypt
1996	9 Ex-proof solar systems 390 Wc at 24Vdc for RTU's unmanned offshore platforms	Energy supply for complete platform	Abu Dhabi - offshore
1996	21 Solar systems on poles 20x 16Wc at 12Vdc and 1x 40Wc at 24Vdc	Telecom	Nigeria
1996	Solar system	Telecom	Rabi Hill, Gabon
1996	18 Ex-proof solar systems for unmanned offshore platforms in Bul Hanine and Maydan Manzan offshore fields, for RTU and F&G systems	Instrumentation	Qatar - offshore
1995	Solar systems for Bab-Maqta-Taweelah gas pipeline: Radio Telecom 145Wc at 24Vdc, Warning Light 2.5Wc at 12Vdc and Cathodic Protection 600Wc at 24Vdc + 700Wc at 24Vdc	Cathodic Protection/ Telecom	Abu Dhabi U.A.E.
1995	Solar system 4 kWp for unmanned offshore platform		Malaysia - offshore
1995	2 Solar systems for CALM buoy	Instrumentation	Kuwait
1995	Solar system for MPFM	Instrumentation	Malaysia
1995	Solar system for CALM buoy	Instrumentation	Colombia
1995	12 Solar systems for telecommunication	Telecom	Nigeria
1995	Ex-proof solar system 430Wc at 24Vdc for unmanned offshore platform Peragam, PGWJ-1 Field	Energy supply for complete platform	Brunei - offshore
1994	Solar system for instrumentation	Instrumentation	Abu Dhabi – offshore
1994	4 Solar systems 400 Wp for RTU's on offshore platforms	Instrumentation	Qatar - offshore
1994	7 Ex-proof solar systems to power navigation lanterns	Nav aids	Abu Dhabi - offshore
1994	Solar system for cathodic protection system 36Wc at 24Vdc	Cathodic protection	Oman
1993	Ex-proof Solar system for power supply on unmanned platforms		Abu Dhabi - offshore
1993	Solar system 800 Wp for power supply to ESD system on offshore platform	Instrumentation	Abu Dhabi - offshore
1993	Solar system 48Vdc on and in 20 feet shelter for telecommunication	Telecom	Zanzibar

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YEAR	SYSTEM	APPLICATION	COUNTRY
1992	Various small Solar systems skids for instrumentation	Instrumentation	Oman
1992	3 Solar system 4Wc for RTU	Instrumentation	U.A.E.
1992	5 Ex-proof solar systems for instrumentation	Instrumentation	Brunei - offshore
1992	3 Solar systems 1.15 kWp each for telecommunication	Telecom	Saudi Arabia
1991	4 Ex-proof Solar systems each for instrumentation/pumps on offshore platforms	Instrumentation/ pumps	Abu Dhabi – offshore
1991	Solar system for cathodic protection of pipeline	Cathodic protection	Abu Dhabi U.A.E.
1990	40 Solar systems for Scada, Microwave repeater & valve motor stations in Alto Magdalena Pipeline	Telecom + Instrumentation	Colombia
1990	4 Ex-proof solar 215Wc at 24Vdc offshore for ABK Khuff Gas development		Abu Dhabi – offshore
1990	2 transformer rectifier units for grid connected cp, 1 solar system for cp 454Wc @ 24Vdc+ 10 solar systems for nav aids 1Wc @ 24Vdc	Cathodic protection	Abu Dhabi U.A.E.
1989	Solar generator system for flood forecasting equipment	Instrumentation	China
1989	1 Solar system for telecommunication	Telecom	Zimbabwe
1989	3 Solar system for telecom systems	Telecom	Iran
1989	3 Solar systems for telecommunication	Telecom	Nigeria
1988-1989	100 complete Solar Home systems, 15 Streetlight, various systems for research center, installation and commissioning, extended training for local staff, set-up of local production facilities (Sukatani, Indonesia)	Rural electrification	Indonesia
1988	3 Solar systems for cathodic protection	Cathodic protection	Gabon
1988	21 Solar systems for cathodic protection	Cathodic protection	Libya
1988	14 Solar systems for Hydro Meteorological field stations	Instrumentation	Bolivia
1988	4 Ex-proof Solar systems for Net Oil Computer/ Transmitter for unmanned platforms	Instrumentation	Malaysia – offshore
1988	Solar battery chargers for radio transmitters	Telecom	Sierra Leone
1988	6 Solar systems for survey equipment	Instrumentation	Italy
1987	8 Solar systems for telecommunication	Telecom	Saudi Arabia
1987	Solar system for telecommunication	Telecom	Tsjaad

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1987	9 Solar systems for microwave repeaters	Telecom	Bangladesh
1987	8 Solar systems for cathodic protection	Cathodic protection	Libya
1986	Solar system for microwave repeater and obstacle light of Al-Hamrah pipeline	Telecom	Egypt
1985	Solar generator system for cathodic protection	Cathodic protection	The Netherlands
1984	10 Solar systems for two-way radio network	Telecom	Ghana
1984	Various Solar systems for UHF	Telecom	Indonesia
1983	Solar system for rural telephone exchange	Telecom	Zimbabwe