

Item	Customer	Country	Delivery	Description	Remarks
65	Electricity Company of Ghana	Ghana	2011	7 new 33/11 kV Substations. 1 Mobile Substation 33/11 kV and 2 Mobile Substations 11/0,4 kV. 75 km 33 kV and 440 km 11 kV OHL. "Package" of Distribution Materials	Includes necessary civil work, high voltage equipment, relay protection, control system, auxiliary system etc. Design, erection, testing, commissioning and training.
64	Uganda Electricity Company Ltd Government of Uganda	Uganda	2008	Namanve 50 MW HFO fired Power Plant. BOOT, Turn-key project. 6 years delivery of Capacity and Electricity, including fuel, 12 years financing	Complete Independent Power Producer Project Development, including Power Purchase Agreement with UETCL, Implementation Agreement with GoU, Financial Agreements with Nordea (GIEK political risk insurance), Stanbic Bank Uganda and JEL (sub-ordinate loan) full Turn-Key EPC contract for the Power Plant and total Operation and Maintenance responsibility for 6 years, including fuel purchase and handling.
63	Liberia Electricity Corporation	Liberia	2008	Kru Town 5 MW Diesel Power Plant. Bushrod Island 2 MW Diesel Power Plant. Turn-key projects	Complete turnkey project including diesel generators and balance of plant with electrical and mechanical auxiliary equipment, control and monitoring system. Design, logistics, erection, testing and commissioning. Operations and Maintenance supervision program for 12 months with training provision for local LEC staff. Spare Parts
62	Electricidade de Timor Leste	East Timor	2007	Supply of a street lighting system in Dili, Timor Leste	Design, supply of materials, erection and testing of a new street lighting system in Dili.
61	Electricidade de Timor Leste	East Timor	2007	Improvement of the Low Voltage network in Dili, Timor Leste	Design, supply of materials, erection and testing of several improvements of the Low Voltage network
60	EDL Electricite' du Laos	Laos	2008	One new 115/22 kV substations and rehabilitation and extension of two 115/22 kV substations. Turn key project	Includes 115kV outdoor switchgear plus 22kV indoor switchgear, SCS, relay protection and control equipment. AC/DC supply, civil works etc. Spare parts. Relocation of one power transformer. Design, erection, testing and commissioning, training.
59	Vietnam Shipbuilding Co. Ltd.	Vietnam	2006	Grid connection for a 39 MW HFO Power Plant. Turn-key project	Includes 110kV outdoor switchgear plus 11kV indoor switchgear, relay protection and control system. AC/DC supply, civil works etc. Spare parts. Design, erection, testing and commissioning.
58	EDL Electricite' du Laos	Laos	2008	Two new 115/22 kV substations, one new 115 kV switching station and rehabilitation and extension of four 115/22 kV substations. Turn key project	Includes 115kV outdoor switchgear plus 22kV indoor switchgear, SCS, relay protection and control equipment. AC/DC supply, civil works etc. Spare parts. Design, erection, testing and commissioning, training.
57	Electricidade de Timor Leste	East Timor	2006	Pre-paid energy meter system	10.500 pre-payment meters. Complete central master station, vending stations with selling terminals. Installation of meters and vending and master central stations. Training courses.
56	Electricity Company of Ghana	Ghana	2008	Six new 33/11 kV Substations and rehabilitation / extension of six 33/11 kV Substations and a "package" of Distribution Materials	Includes necessary civil work, high voltage equipment, relay protection, control system, auxiliary system etc. Design, erection, testing, commissioning and training.

Item	Customer	Country	Delivery	Description	Remarks
55	Transelectrica S.A.	Romania	2006	Rehabilitation of Rosiori 400/230 kV Substation. Turn-key project	Rehabilitation of the 400/ 220 kV Rosiori Interconnection Substation to strengthen the interconnecting operation of the Romanian Power System to the UCTE system. Including necessary civil work, high voltage equipment, relay protection, substation control system, auxiliary system etc. Design, erection, testing, commissioning and training.
54	Ministerio de Minas y Energia	Equatorial Guinea	2005	22 MW. Diesel Power Plant. Turn-key project	Complete turnkey project including diesel generator and balance of plant with electrical and mechanical auxiliary equipment, control and monitoring system and civil and architectural works. Connection to the 33 kV grid. Design, logistics, erection, testing and commissioning.
53	Ministerio de Minas y Energia	Equatorial Guinea	2004	7,2 MW. Emergency Diesel Power Plant. Turn-key project	Complete turnkey project including diesel generator and balance of plant with electrical and mechanical auxiliary equipment, control and monitoring system, automatic emergency start-up system, civil and architectural works. Connection to the 15 kV grid. Design, logistics, erection, testing and commissioning.
52	UEB Uganda Electricity Board	Uganda	2004	Phase III Total refurbishment of three 132/33/11 Substations. Turn-key project.	Includes 132kV outdoor, 33 and 11 kV indoor switchgear, relay protection, AC and DC Supply, Civil Works etc.
51	Electricidade de Timor Leste	East Timor	2004	Pre-paid energy meter system.	17.000 pre-payment meters. Complete central master station, vending stations with selling terminals. Installation of meters and vending and master central stations. Training courses.
50	Vietnam Shipbuilding Co. Ltd.	Vietnam	2006	39 MW. Diesel Power Plant. Turn-key project	Six (6) 6,5 MW diesel generators. Complete turnkey project including diesel generators and balance of plant with electrical and mechanical auxiliary equipment, control and monitoring system and civil and architectural works. Design, logistics, erection, testing and commissioning.
49	Electricidade de Timor Leste	East Timor	2003	Pre-paid energy meter system. Interim Management of EDTL. Training and Network analyses	10.000 pre-payment meters. Complete central master station, vending stations with selling terminals. Installation of meters and vending and master central stations. Training courses.
48	Electricidade de Timor Leste	East Timor	2002	New power plant. Total capacity 6 MW. Turn key project	Four (4) units of power modules, step-up transformers for each gen. set, 20 kV connection to the existing switchboard. Balance of plant mechanical and electrical auxiliary equipment. Engine auxiliaries module and engine control panel. Design, erection, testing and commissioning.
47	Tanesco	Tanzania	2002	Rehabilitation and extension of (7) seven 33/11kV substations. Turn key project	Includes 33kV outdoor switchgear plus 11kV indoor switchgear, relay protection and control equipment. AC/DC supply, civil works etc. Spare parts. Design, erection, testing and commissioning, training.
46	EDL Electricite' du Laos	Laos	2002	Rehabilitation and extension of two 115/22 kV substations. Turn key project	Includes 115kV outdoor switchgear plus 22kV indoor switchgear, SCS, relay protection and control equipment. AC/DC supply, civil works etc. Spare parts. Design, erection, testing and commissioning, training.

Item	Customer	Country	Delivery	Description	Remarks
45	KESH Sh.a. Korporata Elektroenergjetike Shqiptar	Albania	2001	Two (2) Mobile Sub-stations 110/6.3 kV, 20 MVA each	Including power transformer. Relay protection, metal enclosed switchgear, AC and DC supply, disconnectors and control equipment. Design, erection, testing and commissioning, training.
44	KESH Sh.a. Korporata Elektroenergjetike Shqiptar	Albania	2001	Refurbishment og Lezha, Kavaja and Lushnje Substations, 110/6kV. Turn-key projects	Including circuit breakers, disconnectors and other high voltage equipment, relay protection and control equipment, AC and DC supply, civil works etc. Design, erection, testing and commissioning, training.
43	KESH Sh.a. Korporata Elektroenergjetike Shqiptar	Albania	2001	New Tepelena Substation, 110/6kV and new Kruja Substation, 110/6kV. Turn-key projects	Including circuit breakers, disconnectors and other high voltage equipment, relay protection and control equipment, AC and DC supply, civil works etc. Design, erection, testing and commissioning, training.
42	KESH Sh.a. Korporata Elektroenergjetike Shqiptar	Albania	2001	New Elbasan Substation 420/220/30kV Substation. Turn- key project	Including circuit breakers, disconnectors and other high voltage equipment, relay protection and control equipment, AC and DC supply, civil works etc. Design, erection, testing and commissioning, training.
41	KESH Sh.a. Korporata Elektroenergjetike Shqiptar	Albania	2001	Supply of energy meters in security metallic boxes	Includes the supply of over 80000 Mono-Phase and over 3400 Poly-Phase Energy Meters encased in single and collective security metallic boxes.
40	KEK Power Corporation of Kosova	Kosova	2000	Refurbishment of Pirana and Suha Reka Substations, 33/11kV. Turn-key projects	Includes 33kV switchgear, relay protection and control equipment, AC and DC supply etc.
39	EDL Electricite' du Laos	Laos	2001	Four (4) new 115/34.5/10.5kV Substations, One (1) new 115kV T-off and two (2) 115kV extensions of existing substation. Turn-key project	Includes 115kV and 34.5kV outdoor switchgear plus 10,5kV indoor switchgear, SCS, relay protection and control equipment. AC and DC supply, civil works etc. Design, erection, testing and commissioning, training.
38	ZESA Zimbabwe Electricity Supply Authority	Zimbabwe	2000	New "Cowdray Park 132/88/11kV Substation and extension of 132 kV on Hyde Park Substation	Includes 132kV outdoor and 12kV indoor switchgears, relay protection and control equipment, AC and DC supply etc.
37	Rollag Elektrisitettsverk L/L	Norway	2000	Installation of new relay protection, Peterson's coil and artificial neutral point in Sub- Stations.	Delivery, Installation and commissioning of new relay protection system, new Peterson coil for artificial neutral earthing point in existing substation
36	Buskerud Nett AS	Norway	2000	Glabak 66/11kV Sub-Station. New indoor 66kV switchgear and relay protection	Including circuit breakers, disconnectors and other high voltage equipment, relay protection and control equipment. Relay protection for 11kV switchgear
35	ZESCO Zambia Electricity Supply Corporation	Zambia	2000	Rehabilitation of "Kitwe" and "Luano" 330/220 kV Substations. Turn-key project	Including circuit breakers, disconnectors and other high voltage equipment, relay protection substation control system, AC and DC supply etc. Design, erection, testing and commissioning, training.
34	UEB Uganda Electricity Board	Uganda	2000	Extension; medium voltage outdoor disconnectors	Delivery of 300 pcs. 36kV and 11kV voltage outdoor disconnectors
33	UEB Uganda Electricity Board	Uganda	2000	Phase II Total refurbishment of four 133/33/11 Substation. Turn-key project	Includes 132kV outdoor and 33kV indoor switchgears, relay protection, AC and DC Supply, Civil Works etc.

Item	Customer	Country	Delivery	Description	Remarks
32	PEA Palestinian Energy Authority	Palestine	2000	Bethlehem 2000 - One new 33/11kV Substation and extension of one 33/11 existing substation in Bethlehem. Turn-key project	Includes 36kV and 11 kV indoor Switchgear, relay protection and other control equipment, AC and DC supply etc.
31	JSCA Lietvas Energija subsidiary TENA	Lithuania	1999	10 kV switchgear for 110/10 kV "Azoulyne" substation. Turn-key project	Short delivery time. Including metal enclosed switchgear, inductance coils and auxiliary transformers, AC and DC supply, Computerized sub-station control system, etc.
30	EDM Electricidade de Mozambique (Danida)	Mozambique	1999	Inhambane Power station. New 33/11 kV substation. Turn-key project	Including relay protection with application plans, and other control equipment, metal enclosed switchgear, AC and DC supply, etc. Design, erection, testing and commissioning, training.
29	UEB Uganda Electricity Board	Uganda	1999	Total refurbishment of five 133/33/11 kV Substations. Turn-key project	Includes 132kV outdoor and 33kV and 11kV indoor switchgears, relay protection, AC / DC Supply, Civil Works etc. Design, erection, testing and commissioning, training.
28	EDM Electricidade de Mozambique	Mozambique	1998	New Gurue 110/33kV Substation. Turn-key project	The turnkey project includes 110kV outdoor switchgear, 36kV indoor Switchgear, relay protection, AC / DC supply, civil works etc. Design, erection, testing and commissioning, training.
27	ABB Kraft (Masaya Substation)	Nicaragua	1998	145kV Horizontal Disconnectors Type LHS with earth switch type G60 and motor operating mechanism type FMB 245kV Horizontal disconnectors Type LHS with earth switch type G60 and motor operating mechanism type FMB.	Special design of frames on customers request. Delivery is including frames, steel structures etc.
26	Statkraft SF	Norway	1998	145kV Horizontal Disconnectors Type LHS with earth switch type G60 and motor operating mechanism type FMB	Delivery is including frames, steel structures and other accessories and assembling.
25	UEB Uganda Electricity Board	Uganda	1998	33kV and 11kV outdoor disconnectors, Type MB 88 with Manual operating mechanism	Delivery of 900 units 3-phase outdoor disconnectors with quick whips / fuses
24	UEB Uganda Electricity Board	Uganda	1998	Relay protection course for UEB engineers in Uganda	Including preparation of documentation's for training course
23	JSCA Lietvas Energija subsidiary TENA	Lithuania	1998	10 kV switchgear for 110/35/10 kV "Kvarcas" Sub-Station	Short delivery time. Including metal enclosed switchgear, inductance coils and auxiliary transformers. Design, testing and commissioning, training.
22	ZESA Zimbabwe Electricity Supply Authority	Zimbabwe	1998	Complete Control system (SCS) for 330kV "Norton" Substation	In co-operation with Bailey Norge A.S.
21	EDM Electricidade de Mozambique	Mozambique	1998	Mobile substation: Delivery of one (1) unit 10 MVA 110/33-22 kV for the Central Region. All assembled on a semi-trailer	Including power transformer. Relay protection, metal enclosed switchgear, AC and DC supply. Disconnectors and other control equipment.

Item	Customer	Country	Delivery	Description	Remarks
20	R.E.B Rural Electrification Board	Bangladesh	1997	Supply over 70.000 Mono-Phase energy Meters	Very short time delivery (5 months ex. works).
19	EDM Electricidade de Mozambique	Mozambique	1997	Gondola Sub-Station. Delivery of a complete 10 MVA 110/22 kV substation. Turn key project	Including power transformer. Relay protection, metal enclosed switchgear, AC and DC supply. Disconnectors and other control equipment. Design, erection, testing and commissioning, training.
18	Borregaard NEA Orkla Borregaard	Norway	1997	Total refurbishment of high voltage and control equipment for a 7 MW hydro power station. Turn key project	Including relay protection with application plans, control panels and other control equipment. Disconnectors, metal enclosed switchgear, DC supply.
17	EDM Electricidade de Mozambique	Mozambique	1997	Substation Beira 3 Total refurbishment of a 10 MVA, 22/6.6 kV substation. Turn key project	Including relay protection and other equipment, AC and DC supply, metal enclosed switchgear. Design, erection, testing and commissioning, training.
16	EDM Electricidade de Mozambique	Mozambique	1997	Substation Beira 3 Total refurbishment of a 10 MVA, 22/6.6 kV substation. Turn key project	Including relay protection and other equipment, AC and DC supply, metal enclosed switchgear. Design, erection, testing and commissioning, training.
15	EDM Electricidade de Mozambique	Mozambique	1997	20 foot container with 22 and 6.6 kV switchgear mounted on trailer	Including relay protection and other equipment, AC and DC supply, metal enclosed switchgear. Design, erection, testing and commissioning.
14	EDM Electricidade de Mozambique	Mozambique	1997	Substation Beira 1 Total refurbishment of a 10 MVA, 22/6.6 kV substation. Turn key project	Including relay protection and other equipment, AC and DC supply, metal enclosed switchgear.
13	SCANCEM Nova Cimangola	Angola	1997	15kV Switchgear, protection and control equipment for 2 X 3 MW diesel generators. Turn key project	Cement factory with severe dust conditions. Including relay protection, and control equipment AC and DC supply, metal enclosed Switchgear. Design, erection, testing and commissioning, training.
12	EDM Electricidade de Mozambique	Mozambique	1997	Refurbishment of protection and control equipment for Chimoio 1 Substation. Turn key project	Including relay protection, control panels and control equipment. Design, erection, testing and commissioning, training.
11	EDM Electricidade de Mozambique	Mozambique	1997	Protection Application Plans for the Central Region	Including education and training of local staff.
10	Southern Electric plc.	U.K.	1996	145kV Disconnectors type Mark 40 with motor operating mechanism type FMB.	Including Installation at site
9	ZESA Zimbabwe Electricity Supply Authority	Zimbabwe	1997	Refurbishment of 330 kV Substation "Norton". Turn key project	Including circuit breakers, disconnectors, relay protection and other control equipment, AC and DC supply. Design, erection, testing and commissioning, training.
8	Electric Rails Ltd.	Finland	1997	36kV Disconnectors type MB88 with motor operating mechanism type MMB 2000	Severe ice conditions
7	Swedish State	Sweden	1996	a) 145kV Pantograph Disconnectors type TPF with motor operating mechanism type b) 72.5 kV Horizontal Disconnectors type LHS with motor operating mechanism type	Delivery is including frames and assembling

Item	Customer	Country	Delivery	Description	Remarks
6	Scottish Hydro-Electric	UK	1996	24kV Disconnectors type MB88 with motors operating mechanism type MMB 2000	Severe ice conditions
5	REB Rural Electrification Board	Bangladesh	1995	20.000 Mono-Phase energy Meters	Very short delivery time (5 months ex. Works).
4	REB Rural Electrification Board	Bangladesh	1994	32.000 Mono-Phase energy Meters	Very short delivery time (5 months ex. Works).
3	Hydro Energy	Norway	1995	Refurbishment and delivery of new disconnectors 145 kV Vertical Disconnectors type MK40 with Earth Switch type G236 and motor operating mechanism type FMB.	Delivery is including frames, steel structures with other accessories and assembling.
2	Norconsult AS	Costa Rica	1992	Relay protection course for engineers in Central America	Including preparation of course documentation.
1	240 Utilities in Norway	Norway	On going since 1934	Jacobsen elektro as has since 1934 developed, produced and supplied, Mono and Poly-Phase Energy Meters; not only for the utilities in Norway, but also for export world-wide	Delivery including electrical materials, frames, boxes and accessories for installation.

Contact persons can be informed on request