



The Sollatek UK team extends a warm welcome to you all. The Sollatek UK team currently employs over 30 people, at our headquarters based in Slough, England.



Sollatek Tanzacat

Sollatek Kenya recently co-sponsored the 2006 Tanzacat Catamaran sailing event to coincide with the opening of it's subsidiary operation in Tanzania.

Tanzacat is an annual event held in the Msasani Bay in Dar Es Salaam, Tanzania and takes the format of 12 Olympic course sailing races split by a sail to the spice island of Zanzibar. This year's Tanzacat was held from 26th October to 4th November 2006 and attracted 160 competitors including World and Olympic title contenders.

Thousands of spectators watched the races and it was all really great fun. Sollatek won many wonderful compliments for its sponsorship and tasteful promotional decorations of the arena and the competing catamarans.

The NEW Sollatek Ultima UPS range

We are pleased to introduce our new UPS range. Building on the strength of the original range, the New Ultima range packs all of the essential features but at an affordable price.

The range is now also wider and covers sizes from 400VA and up to 2000VA ideal for servers and serious business applications.

Some of the highlights of this new range include;

Wide range of power variants.

The Ultima 400-800 series is perfect for worldwide computing use and a wide range of SoHo (Small office House office) computing applications. The Ultima 1000 / 1400 / 2000 series is perfect for critical business and server applications.

Start up from cold.

Ultima's Cold Start feature lets you power up your Ultima even in the midst of a power cut. If the Ultima has enough battery power, it can be powered on and will remain on until the battery power is depleted.

This way, in case of an emergency you will be able to use your PC even if there is a power cut.

Unattended system shutdown.

Each model features a USB and a RS-232 communications port. This enables an interface with a complete suite of power management software to control, monitor and configure your Ultima UPS. In the event of utility failure or low battery, the software independently manages the unattended shutdown of the operating system with no risk to data or hardware.



Growth for Libyan mobile provider – powered by Sollatek

Manhal Allos - managing director

Libyana, a subsidiary of Libyan telecom provider GPTC, is its country's largest mobile phone operator with three million subscribers.

With plans to expand its subscriber base, the company is increasing its coverage to the more remote areas of the country - and the long highways that lead to them. The initial phase of the project comprises 61 roadside GSM repeater sites of varying sizes (500W to 1200W).

As electricity supply clearly cannot be made economically available for such sites, Libyana was faced with a challenge of how to power the repeaters. Laying cables out to nearby regions and installing site transformers would be too costly, as would the refuelling, cooling and maintenance

requirements of diesel generators.

The area does, however, enjoy a great deal of sun. The solution therefore, lies in solar power systems supplied by Sollatek, comprising solar modules, solar support structures, a charge controller and a sealed maintenance-free battery. The system is guaranteed to work beyond the lifetime of such repeaters as they become obsolete due to the rapid pace of mobile telephony development.

The battery and charge controller are to be housed in a passive cooling shelter (PCS) and heat storage system to regulate the temperature of the equipment at a maximum of 37.5°C, even when outside temperature hits 50°C! This is achieved by capturing the coolness of the night air and releasing it during the warm hours of the day and the reverse at night. As temperatures can range from 50°C to 0°C across the year in Libya, the PCS, requiring no electricity, will also prolong the battery life.

A new feature, the web-based control console, will enable technicians to control all 61 sites from a single location, anywhere in the world.

"The time and cost-saving benefits of the control console will increase our market potential across

Libya and other African regions, where solar-powered installations are often required in remote locations," said Manhal Allos, Managing Director at Sollatek. "And to further demonstrate our commitment to Libya, we are bringing several Libyan engineers to the UK for a two-week training course to assist with the smooth running of the new sites."

Work on the project, which will cover 5000 km, began on 12th April 2007. Sollatek is also contracted as a preferred supplier for any further expansion work.

Sollatek's association with the country began in 1996, when the company was contracted to install 22 solar power microwave repeater sites. The Sollatek Libya office was then established so as to ensure an efficient installation and provide after-sales service.

1999 saw another eight sites erected followed by a further 34 in 2001.

"Our work in Libya has acted as a point of reference for other African countries looking to invest in solar power. It shows the popularity of solar power as a reliable and low maintenance energy option along with our attentive customer care," concludes Manhal Allos.



Microwave relay station powered by Sollatek



Sollatek SCCs controlling the system



Remote communication site powered by Sollatek Solar



Village electrification by Sollatek in Sahara desert

Lighting up the neighbourhood

Keith Searle - managing director of Sollatek Distribution

Sollatek Distribution has been busy over the last year developing a number of external solar-powered lighting systems for use across the UK.

Prohibitive costs of mains cabling and environmental concerns are leading local authorities, housing associations and owners of private residential and commercial premises to opt for a solar-powered lighting solution.

As a result, we have received several enquiries through our website and are currently **continues overleaf**



Sollatek Solar street lights installed in the UK

designing systems for a number of civic amenities, private housing developments and commercial clients such as British Telecom.

A project completed recently for a car park on a local authority housing development highlights the challenges that these contracts present. In contrast to our African installations which are in relatively remote areas and enjoy plentiful sunshine, UK systems need to be vandal-proof and make full use of the limited supply of sun.

Power output, the autonomy period, location of the solar panels and hard-wearing materials are critical factors, therefore, to the performance and durability of this installation.

One solution is a dual system with two 10,000-hour 18 Watt fluorescent lamps (equivalent to a 200 Watt domestic lamp) powered by a built-in battery with a lifespan of more than seven years. To charge the battery, south-facing positions unobstructed by trees or buildings were selected to maximise the solar panels' exposure to the sun. This ensures that the panels are effective even during the winter months.

In continuous use, running time would be approximately 3.5 hours per day. However, a light sensor to restrict power output to hours of darkness together with a PIR (passive infra-red) sensor to activate the lights by movement was installed to extend the power output and keep costs down.

The battery is housed at the base of the light post in 3mm thick anti-vandal steel. Other protective measures include anti-climbing collars, polycarbonate shields above and beneath the solar modules and steer nuts designed to stop theft.

Keith Searle, managing director of Sollatek Distribution, sees a bright future for solar-powered lighting in the UK. "We are now developing new luminaire styles to complement our ever-changing environment and will be using our experiences to consolidate our position as a leader in this market segment."



Sollatek Solar street light

Sollatek engineer installs solar power for charity in Chad

Richard Brown - chief electronics design engineer

Richard Brown combines engineering know-how with his church work to improve the lives of people in Africa.

Working through his local church, Richard and two fellow engineers recently made a memorable two-week trip to Chad to provide solar power systems for a church choir and a local hospital.

"Our church mounts a project like this every year or 2, bringing help to people in the greatest need. Chad lies in an equatorial region covering some of the world's most desperate nations," said Richard of the country he first visited on a church mission in 2004.

Outside the capital city of N'Djamena, electricity in Chad is a rare commodity. What scant supply there is comes from ageing generators with unreliable transmission systems. The benefits of solar power, therefore, are obvious. It uses the natural resource that Chad has in abundance and is autonomous.

The other project was to provide solar power lighting at the local hospital which, incredibly, operated by candlelight and torches after dark. This installation has revolutionised the working practices in the consultancy and delivery rooms as well as the dispensary. The work attracted huge interest from the local people.

The logistics for the trip were meticulously planned. Explains Richard, "We had to consider how the local people would service the installations and make sure that replacement parts could be sourced locally. This, as well as high shipping costs, ruled out solar deep discharge batteries. Instead we used lorry batteries, oversizing the systems to compensate for their poor performance."

After flying to N'Djamena, the team travelled south in trucks, enjoying breathtaking scenery and, for part of the way at least, a newly finished road. Also welcome was the sight of mobile phone masts – an unexpected bonus as there was no mobile coverage in Chad on Richard's last trip. It didn't escape the engineers' notice however, that the masts were powered by generators which would require a cooling system. They foresaw problems with this as



Mobile solar powered unit



Asha appreciated the visit



Richard enjoying the local hospitality

the dry dust has a tendency to clog the filtration system. With mobile phone contact now a possibility, the team installed a power outlet socket to the system to charge the handset, thus leaving a supply for future organisations.

Another beneficiary of the engineers' work is an organisation called SIL who work to get the local languages into written form. From its offices, SIL's staff can now access the solar power, along with that from a generator left by a foreign contractor, to run its computers and provide lighting.

The trip was also a gastronomic eye-opener: amongst the delicacies offered to the team were plaited goats' intestine and ground millet containing almost as much sand as cereal. Water had to be filtered before use.

For Richard's team and the local community, however, the project was a resounding success. "We have some fabulous photos showing the installations being put to good use. We hope we have helped the lives of people who, after sunset, lived in the dark."

Richard also took a number of Sollatek's GlowStar solar powered lanterns. These were donated to various people in remote locations as a means of lighting homes in the evening.

Sollatek three phase AVR range – stable power in critical applications

Automatic voltage regulation plays a vital role where power supplies are dangerously unreliable. The Sollatek three phase Automatic Voltage Regulator (AVR) offers a reliable solution to a whole range of organisations and power supply needs.

Comprising three identical single phase regulator units, the Sollatek three phase AVR monitors voltage outputs, making corrections where necessary in order to safeguard vital installations. With probably the widest input range in the industry, the Sollatek AVR range has an input of -30% to +22% ensuring continuous safe operation even in voltages as low as 150V!

Across the world, the Sollatek three phase AVR is at work providing a continuous and predictable power supply in a range of applications. In the healthcare



sector for example, Sollatek is the preferred supplier of voltage regulators for Philips Medical, manufacturer of MRI & CT scanning machines. Elsewhere, Sollatek AVRs are keeping mobile phone networks functioning across Africa. With the massive demand for mobile phones, operators install their networks nationwide. To operate these networks reliably, a stable source of power is essential. Sollatek AVR's can provide this source and ensure that it is delivered reliably and clean from surges, spikes and noise using a combined stabiliser and isolating transformer.

An advanced range of options is also available such as Automatic voltage switcher, circuit breakers, RFI filter, line reactor, digital input/output voltage and current meters, surge/spike suppression, by-pass switch and, soon to come, remote monitoring solutions. This will allow the operator to monitor voltage, power and temperature from head office.

Important contract awarded from Areeba, Ghana

Sollatek has recently been awarded a contract to supply hundreds of stations for Areeba network, Ghana (<http://www.areeba.com.gh>). Areeba is Ghana's leading mobile telecommunication service provider.

The Sollatek single and three phase AVR range protects against high and low voltage, spikes and surges and has an input range of -30% to +22% as standard.



The mutual benefits of quality client care

Ian Walker - customer support manager

Ian joined Sollatek last year, bringing his background in Marine Aids to Navigation and Solar Engineering to our Research & Development (R&D) Department.

Headed by Ian, Customer Support operates within the R&D department, providing Ian with the full support of its experienced engineering staff, further enhanced by the addition of three more engineers who joined earlier this year. This close cooperation and an efficient technical database ensures excellent support to Sollatek's customers around the

world and provides valuable feedback for the R&D Department.

Ian will be travelling extensively, visiting both LSC's and end-users to enforce Sollatek's commitment to unsurpassed after-sales service as well as gather feedback from customers for the relevant Sollatek departments. "It's extremely rewarding being the human face of Sollatek and helping to solve customers' technical issues," he said. "Building rapport with clients, particularly across North Africa, is a big part of my job."

Africa, with endemic voltage fluctuations in its existing power supply systems and abundance of sunshine, is a key market for Sollatek's voltage protection, power control and Solar products. Investment in after sales service will yield improvements to both client relationships and product development.



Ian Walker (right) on a site visit with local Sollatek Manager Mazin Ornan in Libya's desert


The Sollatek Freo range has the solution for every environment

Sollatek now has a complete suite of devices for temperature monitoring, energy saving and voltage protection for all refrigeration appliances.

As a power solution provider, Sollatek has been protecting domestic and commercial appliances for over 21 years. Whilst our products are generally plugged into the wall and then your equipment plugged into it, the Sollatek OEM (Original Equipment Manufacture) version of our protectors could well be protecting the next soft drink dispenser you use today.

Bottle cooler manufacturers worldwide are using Sollatek devices to ensure their equipment operates properly, safely and efficiently. The Sollatek OEM range will protect against voltage problems and is saving the planet some energy!


The range consists of the FreoGuard, FreoCom, FreoTec, FreoSave and the ASP (Automatic Stabilised Protector). Each product fulfils different requirements with the intention of permitting manufacturers to select the most appropriate for their customers' needs.



The FreoGuard
Provides complete voltage protection from all power supply fluctuations.




The FreoTec
The FreoTec is a fully integrated solution for all refrigeration appliances. It combines energy saving with the functions of the other members of this family.



The ASP
The ASP is the ultimate voltage stabiliser and protector.



The FreoSave
The FreoSave offers an enhanced energy saving capability. The FreoSave can achieve between 5% and 28% savings on energy consumption.



The FreoCom
The FreoCom is a highly accurate electronic thermostat also offering the same voltage protection provided by the FreoGuard.



LIGHTNING PROTECTION FOR COMPUTERS, BROADBAND AND INTERNET CONNECTION

LET SOLLATEK LIGHTNING GUARD KEEP YOUR VITAL RESOURCES ALIVE



When nearby lightning strikes, your sensitive electronic and electrical equipment will be damaged from the resultant surge. Computers and modems (broadband, analogue) are especially prone even when not switched on. To avoid costly problems make sure your mains supply and telecom line is **TOTALLY** protected...
by buying a Sollatek Lightning Guard.

PROTECTS FROM:

- Lightning on the telephone line
- Surges & spikes on the telephone line
- Surges & spikes on the power line
- Over voltage on the power line
- Power-back surges on the power line

PROTECTS YOUR:

- PCs • Telephones • Modems
- Fax machines • Internet, ADSL Routers
- All telecoms equipment







International exposure



Rebuild Iraq 2007
Jordan, 7th May 2007

Sollatek represented in most countries in Africa, Asia and the Middle East has recognized Iraq as a sizeable potential customer and showed its voltage protection products, solar power systems and products vital for infrastructure buildings and power quality at the Rebuild Iraq exhibition.



TAQNYA 2007 International ICT Fair in Tripoli, Libya 27th-31st May, 2007

Sollatek exhibited its power protection and solar products at Taqnya 2007 which is the main annual ICT event in Libya. Organised by GPTC (the General Post and Telecommunication Company of Libya) it presented the opportunity to unveil new projects and plans for the Telecoms and IT sectors in Libya and offer international manufacturers to meet with local companies and bodies.

Taqnya has given Sollatek the opportunity to strengthen its ties with Libya through the Libyanea project.



Promotional items

Featuring a selection of latest items from our extensive range. A full list of promotional items can be found in our Promotional Catalogue, available on request. To order any of these products call our Sales team now on +44 (0) 1753 688300.



08610715 Bahia Watch
with blue vinyl strap



08311703 Liquid Mouse
with scrolling wheel
USB/PS2 combi connection



08511001 Travel Bag black



08300945 Ballpoint Pen
gel softgrip



Torch
long life LED powered



08310710 Calculator (flips open)



08311704 Aluminium USB Flash Drive
64MB

Great Britain Deaf Football (GB)

Sollatek is proud to announce its sponsorship of the Great Britain Deaf Football (GB)



Deaf Football in Great Britain has a very proud and strong history, dating back to 1871, a history that is virtually unknown to the majority of the followers of football in Britain.

Deaf Football clubs have been around longer than the majority of all the teams in the English and Scottish Football League pyramid. Great Britain boasts the oldest deaf football club in the world. Glasgow Deaf Athletic Football Club was founded in 1871 and is still going strong.

GB is currently ranked number one in the world for deaf football after beating Iran in the final at the Melbourne 2005 Deaflympics. (The Deaflympics is the second oldest international sporting competition after the Olympics.)

Ayad Sarraf, a CAD engineer at Sollatek, has played for GB for a number of years and was part of the winning squad in Melbourne. His association with GB and Sollatek helped the sponsorship programme for the team.

GB has been crowned World Champions six times since the Deaflympics was formed in 1924, which is higher than any other country.

GB will be participating in the 6th European Deaf Football Championships hosted in Lisbon from the 7th to the 25th of June 2007, having disposed of Sweden 8-0 over two legs in a qualifying competition.



GBDF squad in Portugal

BM & PR Limited

Sollatek has recently employed the services of BM & PR, an integrated Marketing and PR company based in Windsor, UK.

BM & PR will be working with us to increase our profile in targeted publications, internet, various PR activities, promotions and will assist in arranging seminars and exhibitions.

www.bulluk.com



Sollatek office now open in Johannesburg, South Africa

Sollatek Electronics (PTY) Ltd (SSA) was opened in Johannesburg, South Africa in 2005 aimed at serving Southern Africa resulting in lower costs to the end user and increased service levels.

Recent growth in the regions economies has resulted in increased disruption in reliable power supply. Public awareness is resulting in wiser use of electricity, use of alternative energy supply such as solar power and the urgent need for protection of electrical equipment from not only black outs and lightning but over & under voltage, spikes & power surges.

Sollatek's GUARD and AVS ranges has filled the need for superior, reliable protection at an affordable price. Sollatek's SVS and AVR range of power stabilisers / regulators available in both single & 3-phase options have offered protection as well as decreased unproductive down time. The new Ultima UPS range of up to 2KVA will soon be available in the region,

complementing the already comprehensive Sollatek voltage protection range.

Sollatek's success has not been restricted to voltage (AC) protection but with the introduction of the portable DC light charged by mains or solar power, the GLOWSTAR has pioneered Sollatek's introduction of solar in the region.

After the Glowstars evaluation in rural Mozambique the local requirements have grown necessitating direct delivery in container lots direct to Maputo. After a trial period of the GS7 the client advised they had evaluated cheaper solar lanterns "but the Glowstars were the only ones still working!" Two years later Sollatek continues to deliver the GLOWSTAR lantern to the region. (www.glowstar.net) The solar range of regulators and lighting, including street lights, are proving equally reliable.

A number of well established distributors throughout the region offer sound advice, sales and service of the Sollatek range. These include:

Angola – CEMTEC + 244 222 446724 / 44 9035

Malawi – RES +265 1 833212 / 336,

ELECTRA SALES +265 1 644200

Mozambique – MODIL + 258 21 496633



Zambian First Republican president, Dr. Kenneth Kaunda, is introduced to Nick Allen of Sollatek South Africa by Michael Kalaba of Specialised Systems Ltd at the Copper-belt Agriculture, Mining and Commercial Show in Kitwe, Zambia on 1st June 2007.

Zambia – (+260)

Specialised Systems (SSL)212 210966,

SUNTECH 1 229758

Davis & Shirliff 1 288010

Zimbabwe – Standard Telephone & Cables + 263 448-6781/5

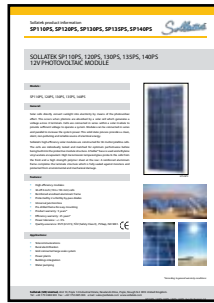
South Africa –SOLLATEK ELECTRONICS (PTY) LTD Tel: +27 11 7881614 Fax: +27 11 4425640 nick.allen@sollatek.co.za



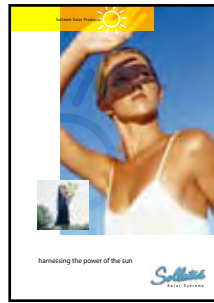
Solar lighting kits leaflet



Solar lights leaflet



Solar modules leaflet



Solar general brochure



Glowstar brochure



Solar Control Centre leaflet



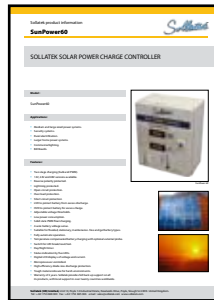
Solar water pumping leaflet



Solar batteries leaflet



Solar batteries (pro) leaflet



Solar charge controller leaflet



Solar street lights leaflet



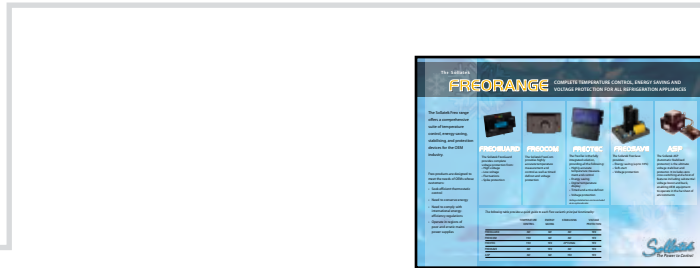
Solar catalogue



Solar charge controllers leaflet



Solar lighting leaflet



Freorange leaflet



PureAC leaflet



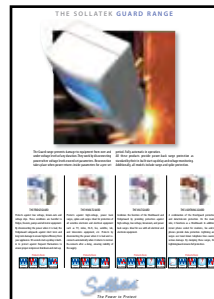
Freorange brochure



ASP brochure



SVS brochure



Guard leaflet



Power Suppressor brochure



AVS single phase leaflet



AVR brochure



Ultima UPS brochure



Lightning Guard leaflet



VP Catalogue

All of these leaflets/ brochures are viewable and downloadable as PDFs. Go to www.sollatek.com for more information.
For more information on any article, or suggestions for future articles please contact us.

For further information contact us

SOLLATEK (UK) LTD UNIT 10 POYLE 14 NEWLANDS DRIVE POYLE SLOUGH SL3 0DX UNITED KINGDOM

Telephone: (International) +44 (0)1753 688300 (National) 01753 688300

Fax: (International) +44 (0)1753 685306 (National) 01753 685306

E-mail: sales@sollatek.com www.sollatek.com

SollatekTM
the power to protect

All weights and dimensions are approximate. Specifications are subject to change without prior notice.

©Sollatek (UK) Limited 2007. All Rights Reserved. SOLLATEK and the SOLLATEK device are the trade marks of the Sollatek group of companies.