

# Telecommunications

## Sollatek Telecom Solutions



isolating voltage regulators | surge/lighting protectors  
remote power management systems | solar power generators

**Sollatek**<sup>™</sup>  
power control • solar power

# Turnkey solutions that work in the **harshest of environments** with **virtually no maintenance**

## *A leading force*

Founded in 1983, Sollatek (UK) Limited is a foremost **specialist manufacturer of power protection products** in developing markets with erratic power and unreliable mains; Sollatek has become a leading manufacturer of specialist products to protect consumer and industrial electrical and electronic equipment.

Since 1987, when the first Solar Charge Controllers and Small Home Systems were developed, our solar activities have expanded greatly over the last two decades and Sollatek is now an **established market leader** in the design, manufacture and installation of solar system components and complete solar systems. Now with offices in 15 countries and an active distribution network in 25 more, Sollatek has grown rapidly to become a truly global company.





Each project is **meticulously planned** and **researched** by our team of **dedicated engineers**

### *System Design*

Sollatek abides by professional and rigorous system design standards. Our dedicated and experienced engineers meticulously plan and research each project to ensure optimum client satisfaction and quality of service.

In adherence to Quality Assurance ISO9001, Sollatek has implemented set procedures enabling better relationships between system designers and the client, thereby offering a bespoke service that suits their individual needs.

Sollatek provides:

- ▶ **Bespoke system design**
- ▶ **Specialised system software**
- ▶ **System performance reports**
- ▶ **Dedicated research & development team**
- ▶ **Experienced engineers**
- ▶ **Solar batteries** (gel, wet, and acid)





## *Manufacturing & Supply*

Sollatek manufactures and supplies:

- **Automatic voltage regulators/stabilisers**
- **Isolating transformers, where earthing is an issue**
- **Phase selectors, for when 1 or 2 phases are absent**
- **Power management units, providing an all in one solution for BTS sites**
- **Lightning/surge protection devices**
- **Solar system controllers**
- **Photovoltaic modules**  
(mono and multi crystalline)

Turnkey industry leading solutions



### Telecoms Power Manager (TPM)

**The Telecoms Power Manager is a fully automatic AC power solution for shared/co-location sites.**

Offering up to 3 mobile operators clean, reliable energy, the TPM replaces the existing conventional disintegrated solutions in the network by a single, small foot print cabinet.

### Telecoms Voltage Regulator (TVR)

**The TVR is a derivative of the standard Sollatek AVR - designed specifically to provide higher level of protection required for telecommunication applications.**

Using an isolating transformer, the TVR provides a clean neutral and 10:1 attenuation ratio ensuring that noise on the output is significantly reduced relative to the input. The built in phase selector continues to provide mains utility power even when 2 phases are down.

# Service **reliability is paramount** to any **telecom or BTS site**, especially the case for **power**



## Solar Power

**Providing coverage for GSM networks across distant areas and harsh or deserted locations can be very problematic, especially in areas that are not electrified.**

Sollatek's power systems comprise of a solar module array, batteries and charge control devices. The solar system generates DC power during the day and this runs the communications equipment while simultaneously charging the sealed batteries. The batteries will provide sufficient energy to operate the GSM equipment during the night and are rated to provide up to five continuous operating days at full load (depending on location).

## Surge Protection

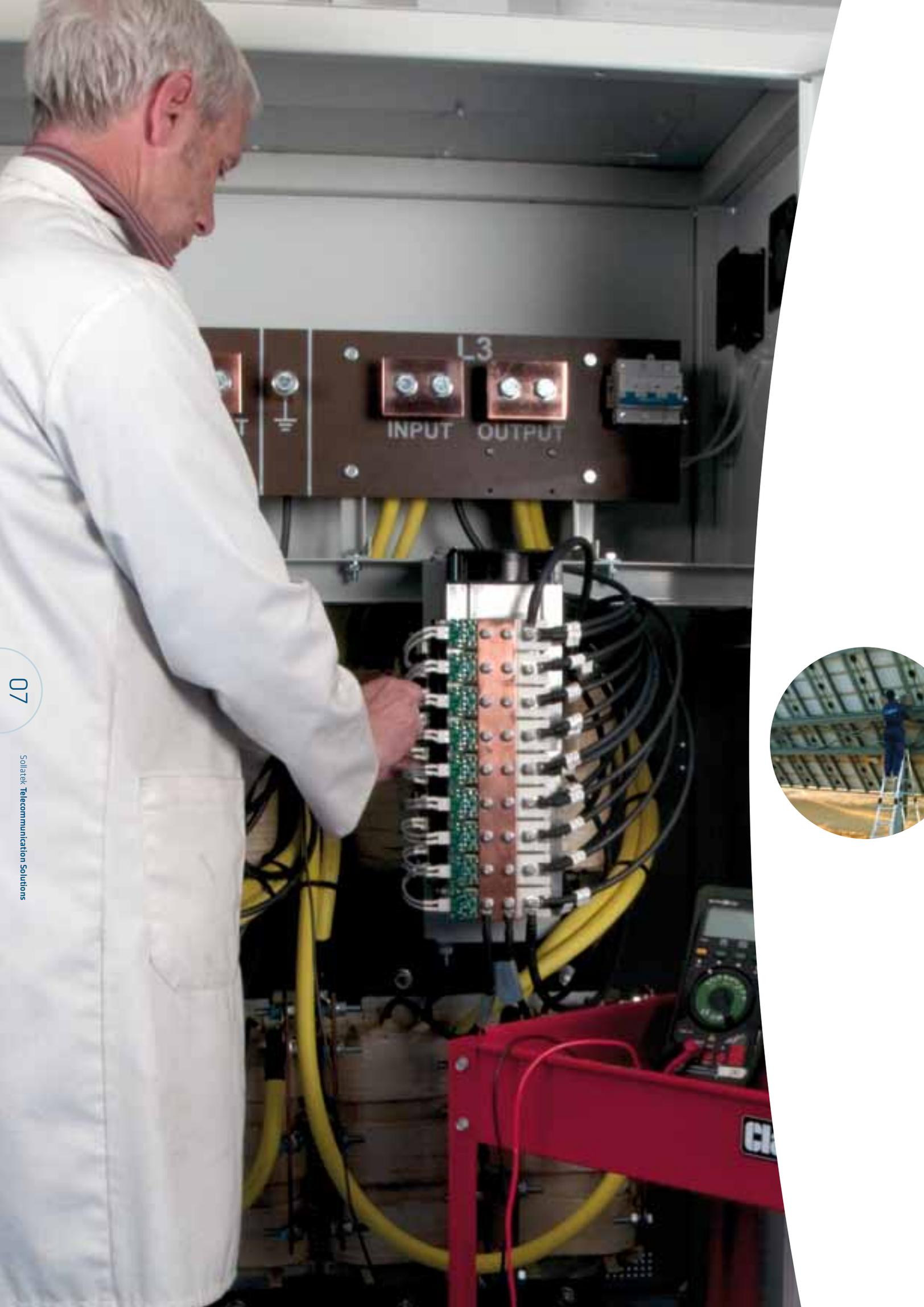
**The Sollatek Distribution Surge Protection (DSP) range provides Class I, II, III spike and surge protection up to 100kA.**

These highly efficient lightning surge arrestors are particularly suitable for telecom towers where the risk of surge and spike activity is particularly high.

## Asset Monitoring System (AMS)

**Internet based BTS monitoring system with remote access.**

Sollatek's AMS is a remote monitoring and data logging system which allows near real time monitoring of all remote BTS sites for every customer, regardless of where they are. It gives a constant indication of the status of all sites at a glance and highlights any warnings or problems as soon as they are detected.



## Installation & Training

**Sollatek has established local companies, distributors and resellers in more than 40 countries around the world.**

This enables Sollatek to maintain its long standing two year worldwide warranty on all its products and systems.

The local presence also facilitates installation by Sollatek and its agents ensuring utmost quality of service.

Sollatek also commissions supplied systems thus ensuring standards to the highest level of expertise are maintained for clients presiding over their own installation.

A vital service that Sollatek provides to its clients is expert training and after sales support. Our professional training courses enable clients to better understand and maintain their systems.

- **Worldwide presence**
- **Local support**
- **Quality assured system installation**
- **Professional commissioning**
- **Expert training**
- **After sales support**
- **2 year worldwide warranty on all systems**

## System Integration

**Sollatek's portfolio combines experience with numerous telecom system integrations.** Our success is due to the ability to diversify and facilitate specific clients' needs. We thoroughly inspect each client's current system and present integrated telecom solutions.

Sollatek's products are fully expandable and can be customised to fit existing systems.

We specialise in providing solutions for:

- **Microwave repeaters**
- **Satellite communications**
- **Satellite internet terminals (VSAT)**
- **GSMs**
- **Fibre optic repeaters**
- **TV/ FM stations**



Sollatek systems  
are **fully expandable**  
and can be fitted  
to **existing systems**

# Sollatek's **global infrastructure** is delivered through a network with **local presence**



## *Global and Local*

With a customers across the world and a local presence in more than 50 countries, Sollatek is able provide support services where ever you are.

Algeria	Egypt	Jordan	Nigeria	Sweden	USA
Angola	Finland	Kenya	Norway	Sudan	Venezuela
Australia	Ghana	Kazakhstan	Pakistan	Taiwan	Yemen
Azerbaijan	Greece	Libya	Philippines	Turkey	Zambia
Benin	Holland	Malawi	Qatar	Tanzania	Zimbabwe
Cameroon	Hong Kong	Mexico	Saudi Arabia	UAE	
Croatia	India	Mozambique	Sierra Leone	Uganda	
Denmark	Iraq	Nepal	South Africa	United Kingdom	

*Our customers include:*





### **Sollatek (UK) Ltd**

Unit 10, Poyle 14 Newlands Drive,  
Poyle, Slough, SL3 0DX, UK.

Tel: +44 (0)1753 688300

Fax: +44 (0)1753 685306

[sales@sollatek.com](mailto:sales@sollatek.com)

[www.sollatek.com](http://www.sollatek.com)

#### **ISO9001: 2008 accredited company**

All weights and dimensions are approximate. Specifications are subject to change without prior notice. ©Sollatek (UK) Limited 2012. All Rights Reserved. SOLLATEK and the SOLLATEK device are the trade marks of the Sollatek group of companies.

Telecommunication Brochure Oct 2012

A/I: 10910062

S/C: 00039750