



PROJECT / CUSTOMER

PHILIPS
sense and simplicity

PRODUCT
AVR

HISTORY
2003 - ongoing

“ We have complete trust in Sollatek and know we can rely on them to provide the best technology, which is why they are our preferred supplier for Automatic Voltage Regulators. The AVR has never let us down and for this reason, we are becoming more dependent on it. **Philips**



SOLLATEK HELPS PHILIPS DELIVER ACCURATE PATIENT DIAGNOSIS.

Sollatek, world leader in the field of voltage regulation and protection, is now tasked by Philips to ensure total integrity of its technologically advanced medical equipment in countries where electrical supply is irregular or compromised.

Philips, worldwide manufacturer of sophisticated medical equipment, produces Magnetic Resonance Imaging (MRI) and Computer Tomography (CT) scanners. Both these scanners image structures inside the human body, the CT scanner acting as complementary to MRI in pinning down the precise diagnoses of many pathologies. The sophistication and synergy of these two scanners put them at the forefront of today's fine-tuned diagnostic and monitoring expertise and they are therefore much in demand globally.

As preferred supplier for Automatic Voltage Regulators (AVR) to Philips, Sollatek is now to equip all the company's sophisticated medical equipment bound for developing countries or, where electrical supply is erratic. This is because Sollatek's comprehensive range of precision voltage regulators has the scope to provide the ideal solution to all installation needs.

Protection against voltage fluctuation, spikes and disturbance on the main electricity supply are paramount when medical equipment is in use. This is to ensure the delivery of accurate data to the medical practitioner on the patient being monitored. His/her confident diagnosis and follow-up treatment depend on this, as does the future well being of the patient.

Philips MRI and CT scanners are designed to tolerate optimal change in main voltage and, in many cases, for a supply which keeps within that range, no further stabilisation is needed. However, beyond certain parameters, additional protection is essential.

The Sollatek AVR is designed with a sensing circuit that constantly measures the supply voltage, automatically switching the taps of a secondary winding to maintain output voltage within a few percentage of nominal. Sollatek AVR tap switching is done electronically using semiconductor switching devices. This means no moving parts inside - therefore no maintenance needed.

The solid stage technology of the Sollatek AVR is ideally designed to function well in harsh environments, the AVR boasting a very wide input range of over 50%. Sollatek is to supply AVR custom made to Philips own specification, guaranteeing smooth running of Philips high tech equipment, even in places where electrical supply is highly erratic.



For more information contact us now

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INDUSTRY LEADERS IN VOLTAGE STABILISATION AND OPTIMISATION

Sollatek's **expertise** extends **worldwide** through **local networks**



Global and Local

With a customer base across the world and a local presence in more than 50 countries, Sollatek is able to provide support services wherever you are.



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ISO9001: 2008 accredited company

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