

A Phasor Measurement Unit, or PMU for short, is the essential building block in the platform called Wide Area Monitoring System (WAMS). These systems were developed to provide an overall real-time health check of nation-wide transmission grids, predicting and helping to prevent power failures, analyzing those which did take place.

For over a decade SATEC has pioneered the implementation of this advanced communication protocol, starting with its flagship, the PM180 power quality analyzer. Ever since, SATEC has set the goal of implementing IEC 61850 in its leading products, new releases, as well as legacy products. See below SATEC products featuring IEC 61850.

SATEC is a global leader in the research, development and manufacturing of energy management solutions. With two decades of rich experience in energy management, our team has the technological expertise to deliver flexible ...

Portable (Class A, Ed. 3) PQ Analyzer. The EDL180 is a portable version of the Class A (Edition 3) PM180 power quality analyzer, which holds extensive track record serving as the platform for power quality monitoring systems in worldwide national grids. Equipped with a 24V battery for backup power supply and flexible current clamps, it is fitted in a lightweight traveling bag for ...

SATEC's unique solutions for Renewable Energy Management. PM180 DFR/PMU. SATEC wins tender for national DFR/PMU platform. Steel Corp. Saves \$\$\$ SATEC EMS Saves Steel Corporation US\$10 Million Annually. \$30K in Utility Refund. ...

SATEC's on-line service, eXpertpower, collects, archives and analyses energy and power quality data. eXpertpower allows multiple users to view data, create automated billing, produce sophisticated reports and implement energy. VRM Quickstart Manual. HEPS Quickstart Manual. Available Models and Dimensions. CS05S: 10A: Split: &#216; 0.6: &#216; 16: CS1:

The BFM II now features an extra 3-phase voltage input module, allowing users to monitor two independent power sources with one device. This can be extremely handy in the case of a two-transformer substation, or an alternative power/voltage source, such as a renewable energy source. For further information on the feature and suggested applications, see publication below.

For over 35 years now, prominent global utilities and industrial leaders have made SATEC their go-to choice, for both off-the-shelf and bespoke solutions, for telemetry and energy ...

SATEC has now officially launched a solution for Direct Current metering, based on the SATEC PRO meter,



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using Hall Sensors. This application is suitable for a wide range of DC voltage and current measurement: up to 3,000A DC / 2,500V DC. DC current systems are widespread in various fields, including:

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Cost-Effective Communication Gateway. The ETC ONE serves as a transparent gateway, connecting several serial-communication devices to the internet or local area network, either via ETH port or via cellular communication.

SATEC is a developer and manufacturer of specialty solutions for power measurement and power quality monitoring. The company's range of products includes traditional 3-phase power meters for real-time power measurement and data-logging, revenue meters (electricity meters), power quality analyzers and a software suite for energy management and billing. With headquarters in Jerusalem, Israel and subsidiaries in Union, New Jersey and in PRC, SATEC...

SATEC's offer for reaching such optimization includes a unique implementation of its high-end metering equipment, with a special emphasis on multi-circuit meters, and the Expertpower Energy Management software suite. The two together enable online energy monitoring, alerting to irregular consumption and reflecting system efficiency. ...

SATEC has cultivated a special relationship with the electrical utility sector around the world. Their ever-evolving needs and requirements continuously challenge us and prompt us to keep on top of the game. On the national level, and often on an international level as well, the significance of reliable power monitoring implicates a reliable ...

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SATEC Billing & Revenue Metering Catalog Certificates . ISO 9001:2015 ISO 9001:2015 SATEC Calibration Lab - ISO/IEC 17025:2017 Accreditation Certificate ISO 14001:2015 Environmental Management Systems ISO 27001:2022 Information Security Management ...

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SATEC caters to these unique challenges. Please read our detailed white paper discussing SATEC's approach to renewables and see below our solutions per aspect / challenge: DC metering; ROI/revenue optimization; Malfunction alerting; Frequency monitoring; Power-reverse relay; Check-meter;

The SATEC PMU is a unique product. It is implemented as an add-on card for the PM180, together with other functionalities, such as power quality monitoring and fault recording, making it highly cost-effective. It communicates with 3rd party Phasor Data Concentrators, an important WAMS component in itself, enabling versatility.

Power quality analyzers, such as SATEC offers, are normally situated in a network operator's substation or at the grid connection of a client/facility. The functionality is identical but harbors different interests. Since faulty power quality can damage equipment, the client wants to record and document such cases and claim damages from the ...

Stay informed with SATEC's News & Events page, featuring the latest developments, products, and innovative solutions in energy management. ... SATEC is looking to expand its global partner network. Would you like to work with us? Application Note Disturbance Direction Detection.

A Unique Segment. When it comes to energy management, the public sector is quite unique within the range of energy consumers. Industrial facilities have a clear demand for lowering energy spending which is often the largest production expense, clearly impacting the cost of production and profitability.

Expert Power/SATEC does not knowingly collect personal data from minors or allow them to register. If it comes to our attention that we have collected personal data from a minor, we may delete this information without notice. If you have reason to believe that this has occurred, please contact us at [satec@satec-global](mailto:satec@satec-global)

This is where SATEC offers a full monitoring solution, enabling the optimization of industrial processes, HVAC spending in commercial and public facilities and many other consumption channels, common to all facilities. A. Industrial. Monitor your industrial process; Prevent equipment burnout and failure via PQ monitoring

Solutions: SATEC's Expertpower energy management suite manages all clients and bills on one platform, enabling quick update and sync with ERP systems. See Expertpower EMS. B. Surcharge management. Every user has a unique profile of energy spending, affected by the different electrical appliances in use and peak consumption. This involves, for ...

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