About EcoXplore . . .

- The premier supplier of integrated automation solutions for industrial, commercial and utility customers in Singapore.
- The pioneer in the application of digital, microprocessor-based monitoring and protection devices in Singapore.
- Industry expert in enterprise energy management systems.

EcoXplore offers smart meters, which are designed to provide measurements and analysis to drive efficiency in facilities of any size. The meters we offer utilize an easy-to-use approach to collecting, storing and displaying near real-time energy consumption and facility information. It records energy usage and cost by using data analysis tools, such as flexible graphing and dashboard capabilities, energy invoice and cost summaries as well as audit information.

To Meet Power Saving Goal . . .

We build monitoring systems, which record your energy usage and cost. These utilize data analysis tools, such as flexible graphing and dashboard capabilities, energy invoice and cost summaries as well as audit information.

Reliable Measuring Devices . . .

We provide smart energy automation devices, which are designed to provide measurements and analyses to drive efficiency in facilities of any size, including schools, offices, commerical buildings as well as university campuses. We offer meters which have an easy-to-use approach for collecting, storing and displaying near real-time energy consumption and facility information.

Our Products & Services . . .

Energy Mgmt & Monitoring System - (EMS) / Web-Based
Power Quality Monitoring System (PQMS)
Building Management System (BMS) / Scada System
Power Quality Analyser / Meter / Sensor
Smart Meter / Multi-function Meter
Multi-Circuit Power Meter / Revenue Meter
Ultrasonic Flowmeter
Electromagnetic Watermeter
System Maintenance Services
Data Logging Services
High Precision Split Core CT's
ZETA Wireless LPWAN Technology (AI+IoT Smart Solution)
Data Center Infrastructure Management
Thermintelli Temperature Monitoring & AI Prediction System

Our Specialisation . . .

Engineering Operations
Information Technologies
Electrical & Network Infrastructure
Mechanical & Electrical Turn Key Project

Our Clients . . .

MARINA BAY Sands SINGAPORE
Singtel
mediacorp
sentosa
Sentosa Development Corporation
MeadJohnson Nutrition
JCU SINGAPORE
SINGAPORE PRISON SERVICE
GLOBAL FOUNDRIES

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Registered ISO 14001:2015 | ISO 9001:2015 Cert No. QS025 | ISO 45001:2018 Cert No. HS017 | OSH-2015-10

bizSAFE STAR | CULTURESAFE | BCA REGISTERED | SINGAPORE GREEN BUILDING COUNCIL MEMBER

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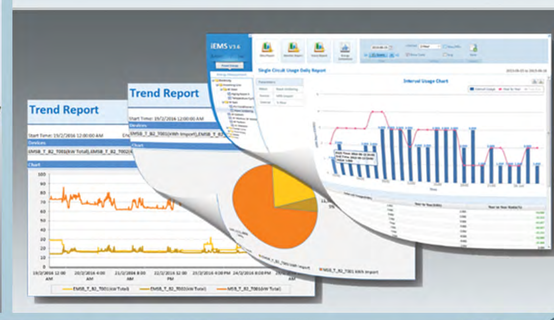

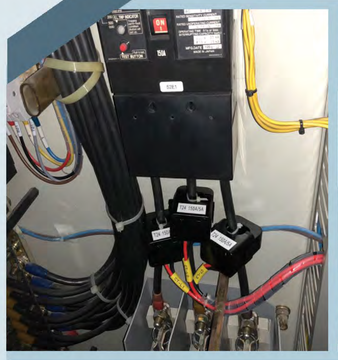

Your Trusted Utility Monitoring Solutions . . .

EcoXplore provides technology to allow you to do remote metering of Water, Air, Gas, Electricity and Steam.

DCIM | BMS | EMS | PQMS | Mobile AppsAutomation | GSM Alarms Monitoring | CMS-Vibration | High Quality PQA, DPM and Flow Meters Supplier | W.A.G.E.S |

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System Integration . . .

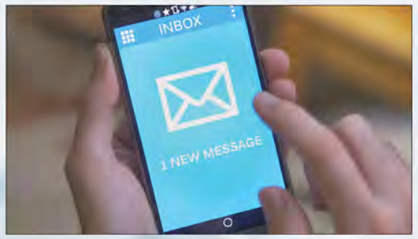
We provide a powerful platform for the integration of CET's PMC and third[d]-party IEDs from major suppliers. This is achieved through the use of a large protocol library with hundreds of drivers that support industry-standard protocols such as Modbus RTU with device-specific mapping, DNP, ION, IEC 60870-5-10x, IEC 61850, OPC, SNMP, PQDIF. Furthermore, these drivers support manufacturer-specific protocols for protection relays from ABB, Beckwith, GE, LSIS, Schneider MiCOM, Siemens, SEL and others.

Building and Substation Automation . . .

Our powerful features facilitate the easy integration of real-time energy data from IEDs into BMS, creating a Building Energy Management System (BEMS) for the efficient control of HVAC and lighting for commericial buildings. Also, they provide capabilities such as fault monitoring and remote control of protection and power-system devices for Substation Automation applications.

Alarm Monitoring . . .

Comprehensive Control, Alarm and Event Monitoring facilitate rapid responses carried out by maintenance personnel in critical situations by sending real-time alarm notification via SMS and/or Email to minimize potential damages.



Power Quality . . .

Energy Monitoring . . .

Substation Automation . . .

Fault Monitoring . . .

Our Software is an all-encompassing solution for your energy management needs, helping to extend the lives of your existing energy assets, regardless of your application: Power Monitoring and Control, Utility Billing Verfication, Substation Automation and Protection as well as Building and Process Automation.

Welcome to EcoXplore Pte Ltd . . .

EcoXplore is a homegrown Singaporean company, specializing in energy monitors that have a wide range of industrial applications, such as water, waste-water, environmental, food and beverage and process.

We provide high quality digital metering, relaying and networking instruments as well as intelligent, integrated automation systems that cater to different industries and applications.

Besides this, EcoXplore concurrently provides analytical solutions to its clients. Our products and services in the market consist of data logging and analytics, maintenance services, energy monitoring systems and alert monitoring solutions.

We are a quality guaranteed company with certifications such as OHSAS 18001:2007, ISO 9001:2008, BizSAFE Star and Culture Safe.

Our customers trust us to create energy conserving and environmentally friendly power system solutions that are safer, more secure and reliable.

Our Solutions . . .

allow you to create energy conserving and environmentally friendly power system solutions that are safer, more secure and reliable.

They will help you to increase energy efficiency, fully utilize existing assets as well as cut emissions without compromising output or product quality.

Condition Monitoring System (CMS) . . .

can be optimised to increase the performance and operating life of your critical machinery and machine components.You can identify potential machine faults early, plan preventive maintenance effectively and prevent unnecessary machine downtime, whilst keeping your costs under control.

Energy Management Solutions (EMS) . . .

can be fully enhanced using our product portfolio. These can range from meters and communication devices to an energy management software platform that integrates seamlessly with your existing energy Meters.

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Services Overview. . .

• Installation and System Design

Our experts have the skills and experience to analyze the issue, make recommendations for improvement as well as design and implement the solution.

• Maintenance Services

Technical issues can be quickly resolved by our product specialists and integrated online tools. We can help minimize downtime and keep production lines running with our efficient and quality repair and maintainance services. In order to cater to specific needs, we offer support to professionals on an as required, scheduled or full-time basis. With our global suppliers network, EcoXplore can provide a wide range of resources as and when required.

• Online Data Logging and Data Analyse Services

Continuous monitoring of a process provides critical information regarding the efficiency or health of the process.

EcoXplore is committed to providing expertise to enable our customers to succeed, offering solutions for online monitoring of a variety of parameters including water, wastewater, environmental, food and beverage and process.

With extensive experience in supplying comprehensive solutions for regulated environments, our quality analytical solutions help our customers comply with confidence. Additionally, EcoXplore offers a complete portfolio of analytical products to meet our customers' operational and monitoring needs.

Scalable System . . .

Our software is an integrated EMS for your facility or plant operations. It offers a distributed, modular, hierarchical and scalable architecture to support different installation sizes from a few to more than a thousand IEDs.

Multi-Protocol Large Device Library . . .

Our software supports multiple communication standards and protocols for various third-party IEDs such as power and energy meters, Power Quality Monitors, protection relays, water and gas meters. These protocols range from the simple Modbus RTU to the highly sophisticated IEC61850.

Energy Management . . .

Energy is critical to business oprations and can be a major expense if not managed efficiently. An Effective EMS can help identify and implement improvements to raise energy performance,hence saving cost.

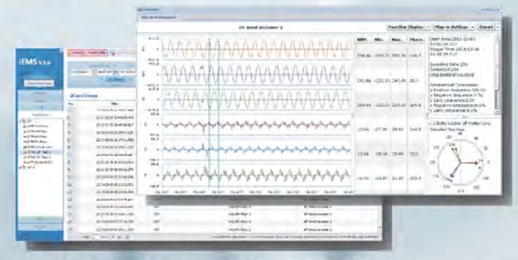
Integrating energy performance monitoring into management practice, as recommended by ISO 50001, has become an international trend that provides a distinct competitive advantage.

Power Quality . . .

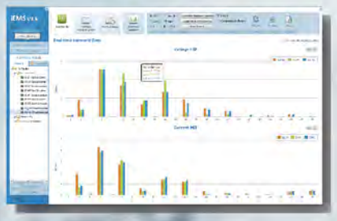
Power Quality (PQ) Monitoring has been gaining attention from different industries such as 24/7 manufacturing, heavy industries and the financial sector. Specifically, high-technology semiconductor manufacturing, automotive, oil and gas, petrochemical, banking, data centers, credit card transaction centers and telecommunication industries are all susceptible to possible significant financial impact of hundreds of thousands of dollars per PQ event. This is the result of poor power quality such as Transients, Voltage Dips as well as Harmonics. Our software provides powerful PQ Analytics to help customers visualize, diagnose and understand the causes of these PQ events so that effective mitigation techniques can be implemented to prevent similar problems from recurring, Thus, this allows facilities to run continuously and minimizes the probability of potential financial damages.

Raise the awareness of PQ & Reliability Problems . . .

The PQ Analytics graphically display the Harmonic Spectrum, PQ Event information such as Timestamp, Catagory, Location, Magnitude and Duration as well as the captured Waveforms in high resolution.



PQ Event Log and Waveform Display



Harmonic Analysis

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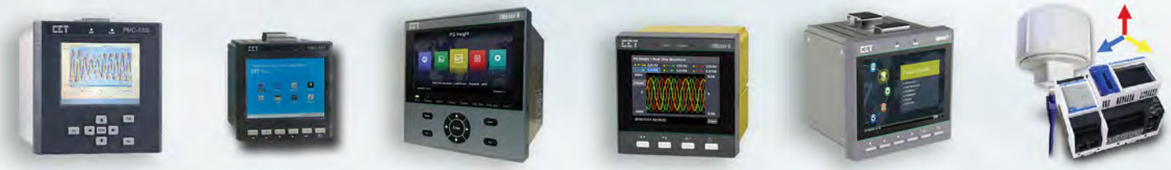
Our Products . . .

Power Quality Meter (PQM) . . .



Advanced Utility PQ Compliance monitors are reputable for their unsurpassed functionality. This is achieved by combining Class 0.2S accuracy and advanced PQ features into a standard DIN 192 form factor with a stunning, high resolution color TFT LCD display. Furthermore, EcoXplore's PQ meters offer the industry's best data logging capacity, with up to 8GB of on-board memory, extensive I/O with 8xDIs, 4xRO and 4xDOs, hardware GPS Time Sync., dual Ethernet and two RS-485 ports. These features are the reasons why PQ meters are acknowledged as the world's current most advanced PQ monitors for the Utility market .

Multi Circuit Monitor . . .

Multi Circuit Monitor (MCM) is EcoXplore's latest offer for power/energy monitoring for data centers as well as multi-circuit monitoring. It can be applied in the context of power/energy monitoring for data centers' PDUs as well as utility substation multi-circuit monitoring. Additionally, MCM possesses extensive logging capability with on-board memory, power quality monitoring and waveform recording. Since all capabilities are housed in a compact metal enclosure, it is perfectly suited for applications with spatial restrictions.

Multi-Function Power Meter . . .

(MID) Certified

Intelligent Multi-function Meters (MFMs) and Measuring Instruments Directive Certified (MID) is EcoXplore's addition to the low-cost digital power/ energy metering market. MFM is housed in an industry-standard that is perfectly suited for use in industrial, commercial and utility metering . Complying with the IEC 62053-22 Class 0.5S kWh Accuracy Standard, it is a cost effective replacement for analog instrumentation, capable of displaying 3-phase measurements instantaneously. Additionally, it can be easily integrated into Johnson Controls or other Building Automation Systems.

Ultrasonic & Eletromagnetic Flowmeter . . .

The flowmeter can be used as a non-contact measurement that can be directly installed without flow cuts. It is easily installable, inexpensive and does not influence the nominal production. Furthermore, it has no additional pressure loss. It acts as a supplement to electromagnetic flowmeters as it measures non-conductive liquid. Since it is applied to large, round or rectangular pipes, it is not restricted by pipe diameter. Its video menu type interface makes it a powerful tool that is easy to operate.

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