



EMS Invirotel Energy Management
Smart About Energy

Commercial Solution





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EMS Inviotel Energy Management shareholders are Voltex (Pty) Ltd which is owned by the JSE Listed Bidvest Group of Companies and PDEV(Professional Development Institute) providing enterprise software development.

Inviotel was established 5 years ago in response to the growing need for smart energy management solutions locally and abroad. Inviotel was officially launched in 2011 after 3 years of Research & Development. Inviotel was established for the setting of new standards in the green technology sector.

Vision

Is to be a globally competitive leader in the provision of an end to end utility and energy management solution.

Mission

- To continuously develop and implement smart electricity, water and gas solutions.
- To educate and empower people with accurate detailed real time information and control over consumption, energy saving, tariffs, billing and revenue collection.

Start **MANAGING** what **YOU CAN MEASURE...UNDERSTAND, IMPROVE and CONTROL.....INVIOTEL is the SOLUTION!**



- Understand all electricity and water through a centralized propertyutility system.
- Improve electricity and water management.
- Improve revenue collection.
- Manage tenants energy consumption.
- Control and reduce fraud and faults.
- Avoid overestimated bills.
- Cut cost and boost profit.



INVIROTEL is an integrated technology that incorporates smart meters for electricity, water and gas as well as proprietary software to provide comprehensive utility, energy and revenue management solutions for Utilities, Municipalities, Commercial Properties and Light-Industrial clients. All INVIROHUB products are managed, maintained and controlled from a centralized digital hub accessible over any Internet connection 24/7. Access is simple, secure, fast and mobile giving all clients and their clients real time information and control over :



Advanced Meter infrastructure

- Meter management.
- Portfolio management.
- Savings and recovery.
- Fraud and fault alerts.
- Tenant empowerment.

Field Services

Audit

- Thorough electricity and water assessments.

Installation

- Professional installation and commissioning.
- Issuing of Certificate Of Compliance (C.O.C).
- Compliance with SANS 10142.

Support

- 24/7 National call center.



Vending Management

- End to end vending solution.

Options

- Credit Card.
- Internet Purchase (EFT).
- Mobile Purchases (E-Wallet).
- Vouchers (STS).
- Over the counter (Cash).

Billing Management

- Comprehensive accurate billing schedules.

Tariff Management

- Support all tariff structures.



Profiling

- Measure circuits and appliances every 5 seconds.
- Identify energy wasting circuit and appliances.

Analysis

- Powerful real time statistics.
- Load and demand control.

Reporting

- In depth secure reporting.
- Automated scenario planning and budgeting.

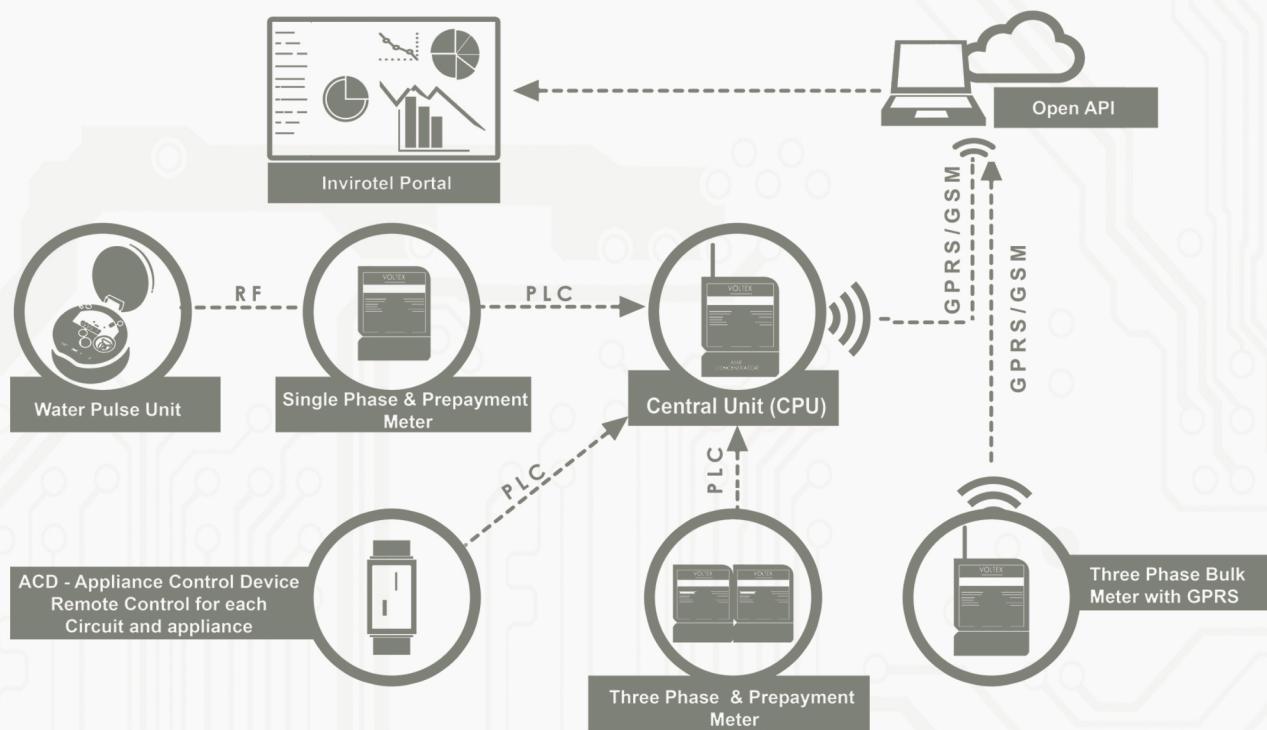


Consulting

- Utility management.
- Vending, Billing and Tariff management.
- Energy efficiency management.



The concentrator is a Central Processing Unit (CPU) for remote reading of electricity and water meters. The CPU communicates via Power Line Communication (PLC) to the electricity meters and via Radio Frequency (RF) to the water meters. The concentrator allows two-way communication access to all meters and can have up to 400 meters connected to it.



Benefits of Smart Metering

- Two way communication.
- Remote disconnection /connection.
- Ability to limit power.
- Credit or prepayment meter remotely changed.
- Time of use (T.O.U).
- Anti-tamper.
- Anti-bypass.
- Customer interface unit (CIU) for in house display.
- Remote reading and programming.
- Two way instant messaging between customer and distribution company.

Vending Solution

- End-to end solution.
- Real time.
- Comprehensive set of reporting.
- Automatic remote or manual recharging.
- XML Vend (If Required).

Vending Options Include:

- Credit Card.
- Internet Purchases (EFT).
- Mobile Purchase (E-Wallet).
- Vouchers (STS).
- Over The Counter (Cash).



INVIROTEL owns proprietary technology for monitoring each and every circuit or appliance in a building. The hardware comprises of multi clamps (A set of 8 or 12 Current Transformers (CTs) which clip onto the circuit or appliance to be measured) as well as the Enerhub. The Enerhub is the communication gateway (wireless Zigby) from the Multi clamps and through to the Software Portal.



Benefits of Circuit & Appliance Monitoring

- Measurements every 5 seconds.
- Power, consumption, power factor, reactive energy, carbon emissions , frequency & voltage are all measured.
- Find out consumption for each and every circuit or appliance.
- Budget and plan your electrical consumption going forward.
- Accurately identify energy wasting circuits and appliances.
- Implement energy saving measures.



Inviotel has flexible pricing structures. A commercial and Industrial solution price structure will include:

Once off Costs

- Audit.
- Hardware.
- Installation of Hardware.

Monthly Costs (per meter per month)

- AMI Software services - Meter management.
- Portfolio Management.
- Vending, Billing and Tariff Management.
- Profiling Reporting and Analysis.
- 24/7 National Call Center Support.

For More Info & Pricing Please Contact



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