

EcoEnergy Innovations Pty Ltd

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OVERVIEW

EcoEnergy Innovations Pty Ltd is a joint venture company between La Trobe University and Semitech Innovations.

COMPANY PROFILE

The company provides fully integrated solution for home and business on all aspects of Energy Monitoring & Management including:

- Automatic Meter Reading (AMR) and Automatic Metering Infrastructure (AMI)
- Smart Energy with Context Aware Persuasive Technology
- Load Management
- Energy Planning and Audit
- Lighting Control – Street/Traffic
- Home and Industry Automation
- Green ICT (Data Centre)
- Smart Switch gear
- Technology Integration – alternative energy
- R & D and Education

SMART ENERGY MANAGEMENT SYSTEM

The Smart Energy Monitoring and Load Management System supplements embedded intelligence in smart (original or retrofit) devices and appliances with seamless communication and creates an ambient intelligence in user space.

This system can assimilate broad range of behavioural parameters and empower smarter context-aware devices which can adapt to behavioural patterns of users by anticipating requirements and responding with appropriate actions.

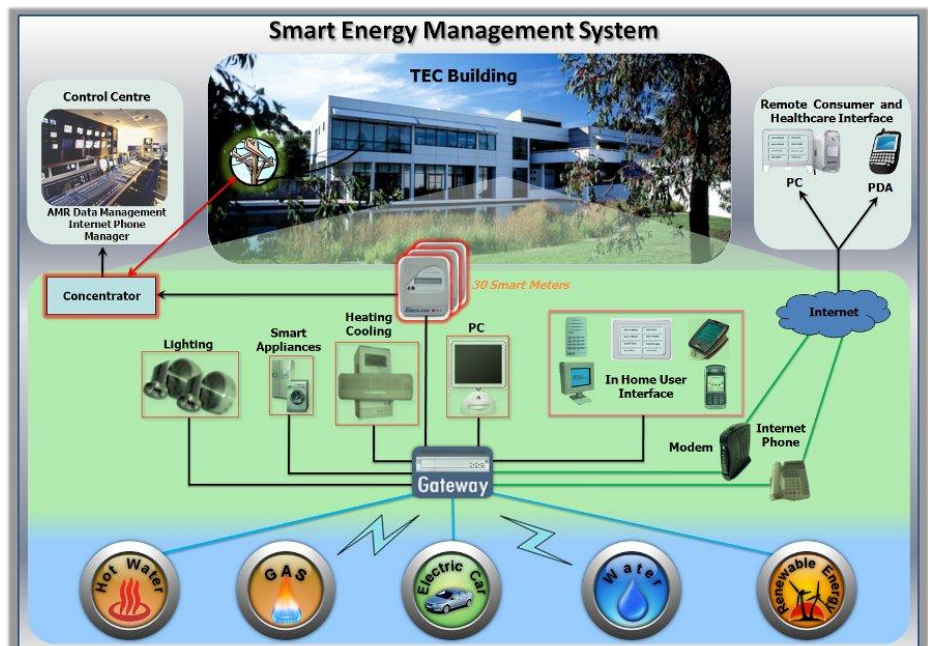
The technology can also enable negotiation and control the energy consumption of smart appliances by taking into account factors such as priority of tasks, user behaviour and real-time tariffs.

A specialised user interface, based on context-aware and persuasive software technologies, has been integrated to influence users to change their behaviour and encourage energy conservation, resulting in reduction of green house gas emission. The user interface offers graphical information about energy consumption in the building in a hierarchical manner and provides users and administrators the ability to drill down into detailed analysis of power consumption, load management and cost.

An advanced interactive display system employing touch-screen and remote control capability has been developed to enable users an easy way of access. The pilot can also be accessible anywhere in the world via an advanced web-based interface, using PCs, PDAs, laptops, mobile devices, etc.

SMART LIVING – FUTURE DEVELOPMENT

The company aims at fast-tracking future Innovation in Smart Living technologies by bridging the boundaries between technology and lifestyle beyond the confines of convenience and comfort. Future development will include integration with other utilities (Gas and Water), health care systems, security and entertainment systems, service stations for new electric cars etc. The vision is to create a conducive environment compelling users to make right lifestyle choices, which not only have positive health & social benefits but also offer cost saving and reduce environmental impact.



Model of the Smart Energy Management System