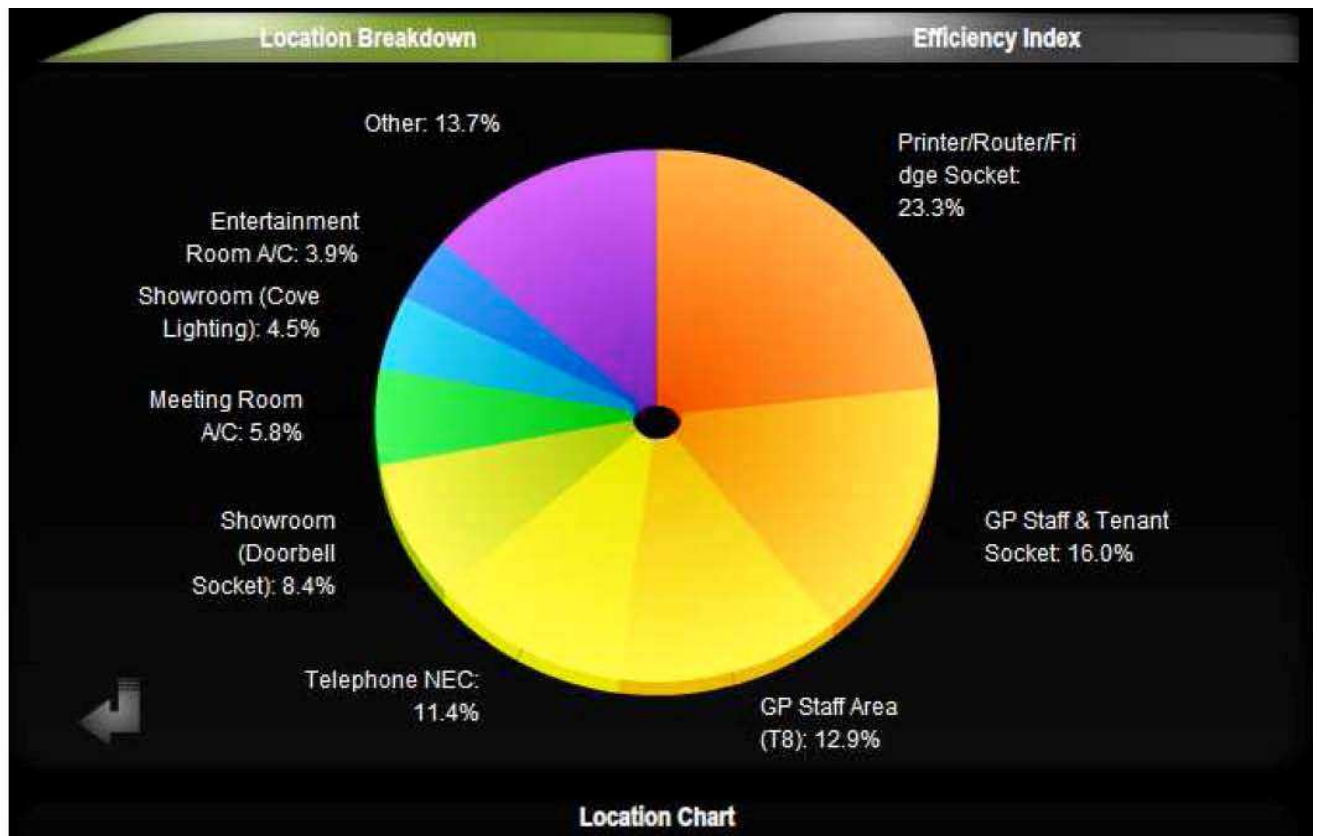# INNOVATION - Enabling Energy Efficiency

A new age operating platform that will serve as a building monitoring and control system using the Cloud Technology for virtual storage and cross border building monitoring and control. This will enable both users and operators buildings to visualize, quantify and account for all energy, water and environmental parameters within a building anywhere.

- Visualize with powerful info graphics
- Quantify through high resolution micro metering

The new energy monitoring and control system simplifies integration works for existing and new buildings. Working only on standard communication protocols, the vendor is able to integrate with any existing sensors or meters. The vendor aims to minimize the need for cabling works and various installation costs which are expensive, intrusive and disruptive to our building and business operation.

Data collected from installed meters and sensors through the vendor's gateway are available in real time on any device with internet connectivity. Most importantly, the hardware and software for this energy management system are designed to be affordable and reliable.

The platform has a user friendly and intuitive interface that will allow anyone in an organization to easily navigate and comprehend it, to solve energy related challenges.

Constant trending of energy (in high resolution) enables quick identification and investigation of variance in energy usage/wastage.

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Sufficient energy data paired with one touch analysis tools will enable informed decision making processes in:-

- Energy purchase contracts that suit the usage
- Changing usage patterns to reduce energy spikes that are costly (in many ways)
- Comparing energy data during purchase of equipment
- Justifying energy efficient equipment purchases

With productivity tools such as Meter View™ or Chiller View™, building operators will be able to immediately embark on energy conservation programs rather than gathering of energy data, saving countless man hours.

Developed around Cloud Technology, the system will make the managing and reporting of multiple properties across borders a reality. The platform enables buildings to be managed in various ways (e.g. by industry, type of building, etc) and drill down capability to determine buildings' performances on multiple measures.

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The platform will provide 6 main <u>customizable</u> displays to provide the most ergonomic and holistic energy management platform:-

- Dash Board
- Analytics
- Alerts
- Reports
- Chiller View^{TM}
- Meter View^{TM}

Available Add-Ons

- Power Quality Measurement for data centre
- Ambient Temperature/Relative Humidity, IAQ monitoring CO_2
- Chiller Plant Room Monitoring
- AHU/FCU
- Tenant monitoring and automatic meter reading, AMR
- Tenant Monitoring (user login), Billing
- Lighting Controls (coming soon)
- AHU/FCU Controls (coming soon)
- Chiller Controls and Sequencing (coming soon)

Sources: GP Solutions Pte Ltd / Green Koncepts