Typical KnoWatt In licenced premises
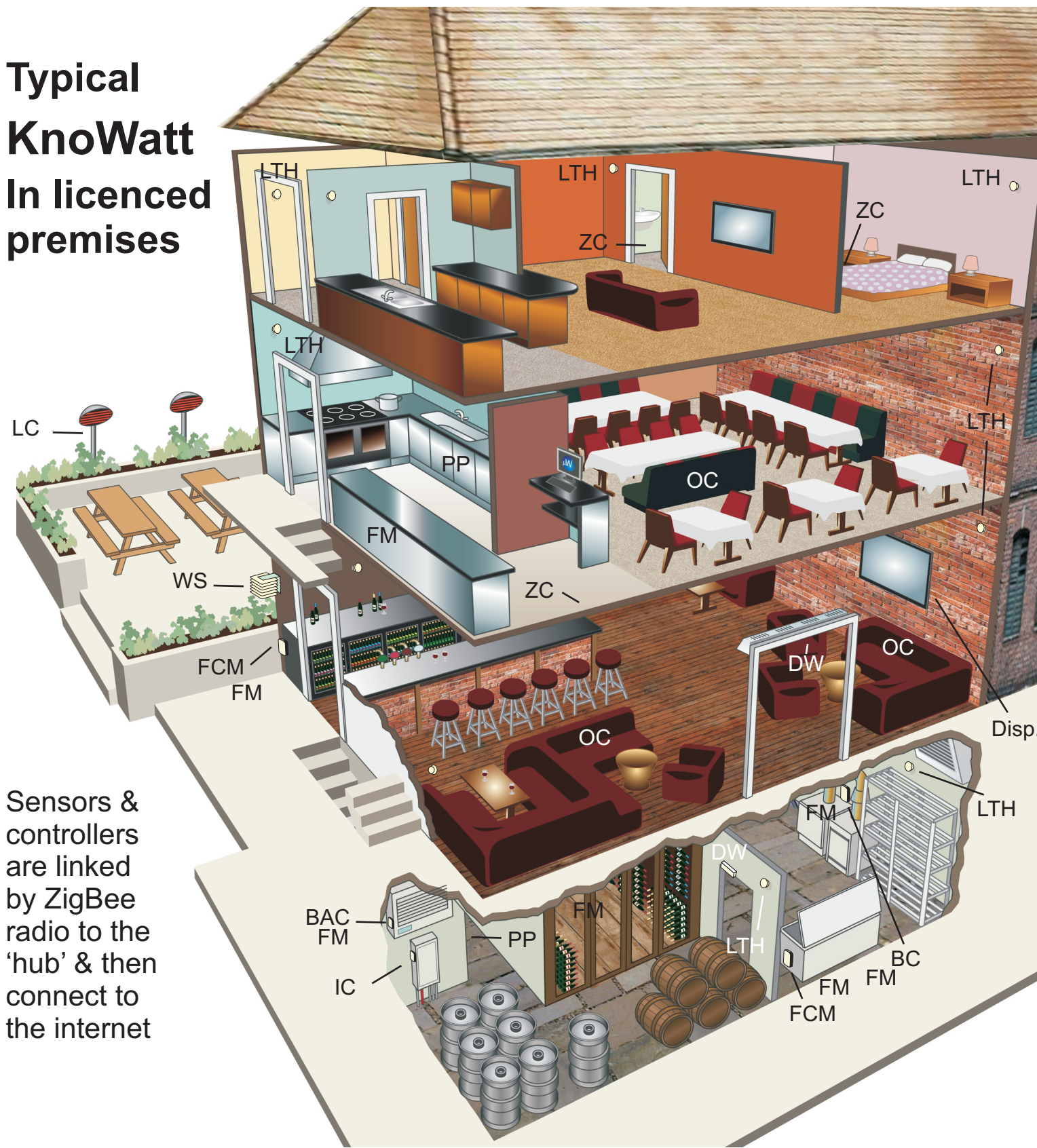

Sensors & controllers are linked by ZigBee radio to the 'hub' & then connect to the internet

LTH
LTH
LTH
ZC
ZC
LC
LTH
PP
OC
FM
ZC
FCM
FM
WS
DW
OC
Disp.
OC
FM
LTH
DW
LTH
BAC
FM
FM
PP
BC
IC
FM FM
FCM

Power Manager

Hub   Internet Interface
GPRS or Broadband link to sensors

OP   Overall Power
optical pickup from meter

IC   Individual Circuits
pickups on every circuit inside dist. box

PP   Pulse Pickup from other Utilities etc.
gas, water, oil, flow etc.

LTH   Temperature, Humidity & light
room comfort even CO2, oxygen, airflow etc.

OC   Occupancy
is the room occupied

DW   Door & Window
open or shut

Other Options

Disp.   Local display
encourage savings with a local display

BAC   Boiler & Air Con. Control
Web based optimised control of heating & air-con.

ZC   Zone Control - Heating
time/temperature control of individual zones

FCM   Freezer & Chiller monitoring
alarms & energy saving monitoring

WS   Weather Station
wind, speed & direction, precipitation,
barometric pressure, lightening etc. etc.

LC   Lighting Control
time/light level/occupancy control of individual zones

FM   Fault monitoring & logging
capture fault trips, from a range of equipment.

KnoWatt

With the cost of power, becoming an ever increasing burden on business, it is now, more than ever essential for all companies to understand their energy usage.

Until now this has been far easier to say than to do, the problem all users of energy face is how to control its use and costs without effecting the operation of the business. Most companies only become aware of their current usage when they receive the invoice, which is of course retrospective.

With KnoWatt you are able to see your costs in real time, hour by hour and circuit by circuit, in other words with KnoWatt businesses can see where and when they are spending money, and initiate changes in practices to, in most cases, make substantial savings.
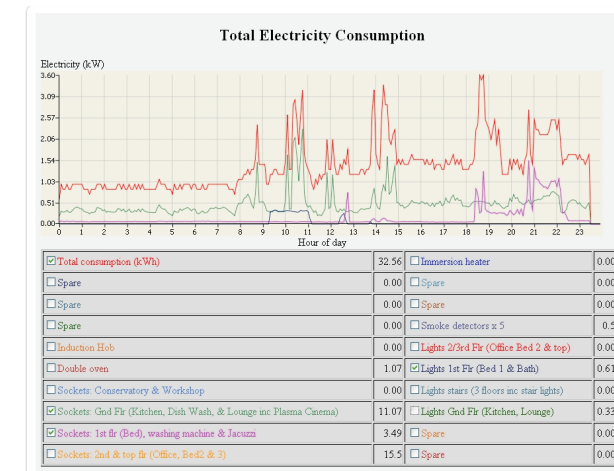
With KnoWatt you can treat your energy costs as a manageable cost, just as you would staff. When preparing weekly profit and loss; as with staff costing, true energy costing can be included, allowing managers to be incentivised or targeted on a real time basis.

KnoWatt provides companies with a true insight into how power is used within their business, KnoWatt not only provides up to the minute information on electric, gas, water usage, but also monitors temperature and humidity and other environmental parameters.

- KnoWatt usage information is provided in real time via a secure web site, allowing full or limited access, for instance a branch manager could review only their branch information, an area manager may only review and compare information from their managed outlets, whereas head office can review and compare all locations.

- Accounts departments can now accurately calculate the weekly power costing, no need for accrual.

- Manage temperature within your business, are some of your locations getting heated to early, is heating left on to late, is the air-conditioning running all year round: with "Power Manager" you can compare your businesses one by one and see what effect dropping temperatures a bit may have on trade and costing.

- Humidity & CO2 can play an often forgotten roll in the customer "feel good" factor, monitor and control it properly.

- KnoWatt is easy to fit and install, in most cases taking only a few hours.

- NEXT Step is control;. Turn off those power hungry loads with KnoWatt Control
Do you need those chillers running at night? Are all the cellar lights off, Can the Chl cabinets be turned off?

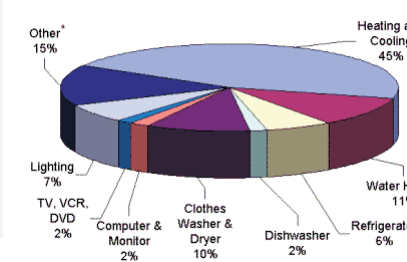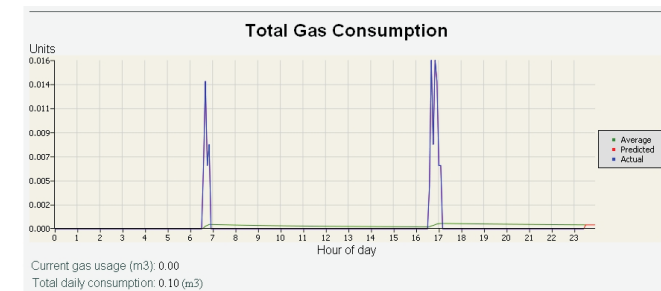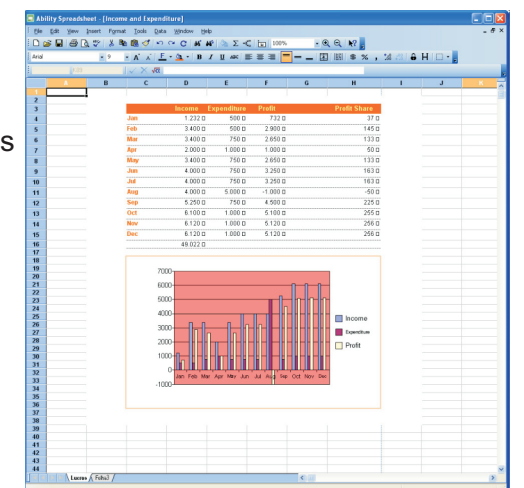Be in control, contact microWatt today

View data & control systems over the WEB from the comfort of your office!

The information may be viewed and analysed over the WEB on any Browser.

No special software is required.

Data displayed in graphs or in spreadsheet form. Export to 'Excell' or other data base.

Displayed in the format & detail you require quickly & easily. Global information for head office, detailed for local managers.