

ESTA Events - Autumn 2009

Managing Energy Management

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Energy Management

Q: What is Energy Management?

A continuous planning process that is used to accomplish the efficient use of energy in a building or system

Q: What does it mean today?

A focus on legislation conformance and cost reduction



Energy Management

Managing Energy Management is about managing...

1. Cost
2. Legislation
3. Energy Demand
4. People and Practices
5. Data
6. Systems



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Energy Cost & Legislation.

1. Managing Cost:

- Identify
- Quantify
- Analyse
- Reduce



2. Managing Legislation:

- Meter
- Monitor
- Target
- Report



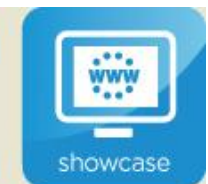
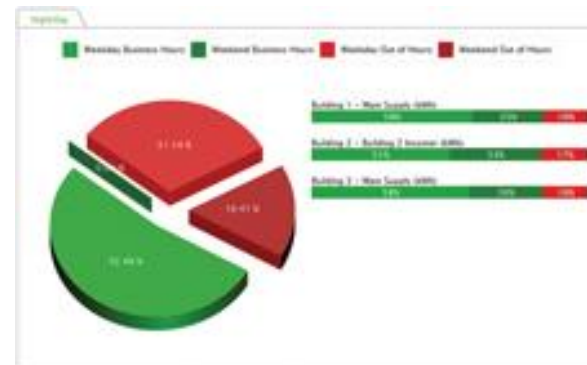
Energy Demand.

3. Managing Energy Demand

- What are we consuming
 - Where
 - When
- and
- Why

Identify inefficiencies through:

- Day/night profiles
- Sub-metering
- Equipment performance

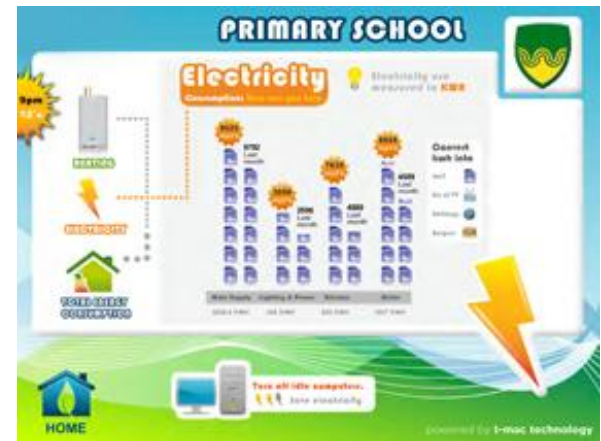


People & Practices.

4. Managing People and Practices.

- Transparency
- Education
- Showcasing

Gain buy-in and longevity of energy reducing activities and practices



Data, Data, Data.



5. Managing Energy Data

Effective management of energy data is just as important as managing energy consumption, cost and carbon footprint

Look for systems that tick the boxes for legislation but also showcase data in a simple, effective and easy to use method. **the importance of software.**



Managing Energy Management

6. Managing Systems

- HH data
- Monthly Bills from Utilities
- AMR systems on Electricity and Gas
- Sub-metering installations
- Building Management Systems

Many suppliers + many products = disparate systems could soon be in place.

Effective Energy Management Systems need to incorporate all of the above energy management practices and more!



Collect & View



Managing Energy Management

Requires a combination of:

1. **Hardware** – collect the data (from HH, AMR, Sub-Metering, Live Metering & BMS)
2. **Software** – showcase and analyse the information (remotely, online, many systems through a single portal)



Conclusion

Managing Energy Management:

But look for systems that are

- Easy to use
- Remotely accessible
- Combine HH, AMR and live metering data
- Boast expandable sub-metering
- Offer control (BMS) functionality



To conclude:

Energy management isn't just about ticking the boxes for legislation, its also not just about reducing cost.

Energy management 's underlying and original principle is about building and equipment efficiency. Focus on this first and you will inevitably reduce cost (to save) & carbon (to conform)



Thank you. Any questions

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