

HEAT CONFERENCE EXPO 2008

Cambridge, Friday, 28 November 2008

Suppose I want to create, live and work in buildings that are more comfortable, cheaper-to-run, easier to manage, and that are sustainable: how can I realise my goal?



ARM Holdings plc, Marks & Clerk, Sentec, UKTI/East of England International, AlertMe, Connaught Partnership, New Era Controls, BritonEMS, Green Energy Options, 42 Technology and Innova Systems have supported this 2nd one-day HEAT Conference Expo, which High Value Manufacturing Series manager and strategic consultancy, CIR Ltd runs at Murray Edwards College (formerly New Hall), Cambridge, UK, 28 November 2008, 10:00 - 17:00.

Programme
Registration 1000 - 1030

CIR

- **Independent** since 2001, run by Dr J Hayward
- **Partnership** model
- **Business and organisation strategy**
- **Financial and M&A strategy**
- **Due diligence**
- **Conferences** on HVM, Energy (HEAT) and Transport (SHIFT)
- **'Web 2.0'** e.g. high tech marker map database

12th HVM Conference



- Next Conference: HVM Nano
- Cambridge, 13 March 2009



4 panels and a tank



- Solar thermal panels “collectors”
- Solar accumulator tank





Personal HEAT Experiences

- Manufacturers really trying (e.g. visit from Finland) but mismatches in parts and doesn't translate to the builders...
- General builders not supportive; will refer to “Building Regulations”; charge more for “new stuff”; delays; sign-offs; specialist builders better!
- 5.4 sq m, save 0.5 tonnes of CO₂ a year, reducing use of gas by 57% (according to charts)
- Tank loses energy at a rate of 0.04kW (40W), equivalent to 1.75C a day at 70C for 500L!



My Footprint*

General	Particular	Me	UK Average	% of UK average
Heating	Space	0.5	1.2	42%
Heating	Water	0.1	0.5	20%
Electricity	Cooking, washing, lights	0.7	0.8	88%
Car	Trike/Old Beemer	0.3	1.1	27%
Other surface travel	Train	0.1	0.2	50%
Food and drink	Local organic boxes etc	0.9	2.9	31%
Infrastructure Allowance	"Write to your MP"/See this Conference!	1.7	1.7	100%
Other consumption	??? (See this Conference)	6.4	3.0	213%
Air Travel	Los Angeles + EU	6.7	0.6	1,117%
Total		17.4	12	145%

Total	Exclude air travel...	10.7	11.4	94%
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175 times Tanzanian; 0.9 times American

*Courtesy of a calculator by CCF, units are tonnes of CO2 emitted a year per person.

