

Automatic Intelligent Metering For Small and Medium-sized Businesses (aIM 4 SME's)

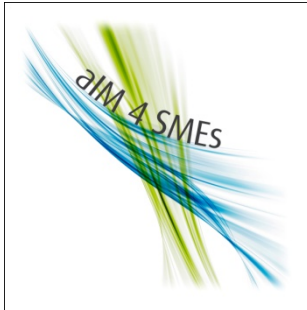
**Final Technical Report
May 2010**

**Completed actions & achievements
Period Covered December 2007 – March 2010
Prepared by Leicester Energy Agency**

Slide created May 2010

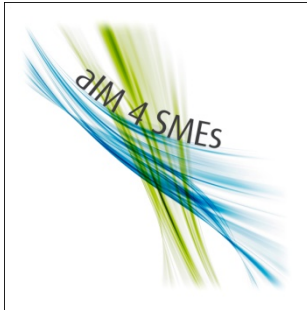
contract no. EIE/07/136/SI2.466711
Duration:- 12/2007 – 03/2010

Intelligent Energy  **Europe**



Aim/Objectives of the Project

- Aim:
 - to demonstrate the potential for energy savings from automatic intelligent metering
 - to increase the uptake of intelligent metering in small and medium sized businesses.
- Objectives:
 - to automatically monitor energy (electricity, gas, heat, etc.) and water data in 75-100 SMEs from a range of sectors (manufacturing, commercial, etc.) in 5 different European countries.



Expected results

- Automatically monitor energy and water data in 75-100 small/medium businesses (SMEs) in 4 different European countries.
- Average energy and CO₂ savings of about 10-25% in 75-100 SMEs
- Ability of businesses to analyse and use energy data
- SME building users trained in energy efficiency with relevance to their own building
- Increase take up of intelligent metering in small/medium sized businesses and community groups.
- Increased awareness by SMEs of automatic intelligent metering, its applications, benefits and its potential for savings



WP 1 Management

- 5 Project Meetings: Leicester, Sonnenplatz, Lisbon, Krakow and Brussels
- Had 20 Skype Meetings
- Have created an internal website <http://aim4smes.esbensen.dk/>
- External website www.aim4smes.com
- Received quarterly progress reports from WP Leaders
- Submitted Progress and Interim Technical Reports to EC
- Submitted Finance statements from partners to the EC
- Established Local Project Steering Groups which met regularly
- Facilitated exit of one partner and recruitment of replacement partner
- Negotiated a project extension
- Facilitated budget shifts



WP 2 Engaging Small & Medium Sized Enterprises for Metering

- Generated lists of SMEs interested in taking part in the project (75+ SMEs)
- Organised awareness raising campaigns to recruit SMEs
- Visited SMEs to explain intelligent metering
- Used case studies from previous IM projects
- Explored working with utility and metering providers



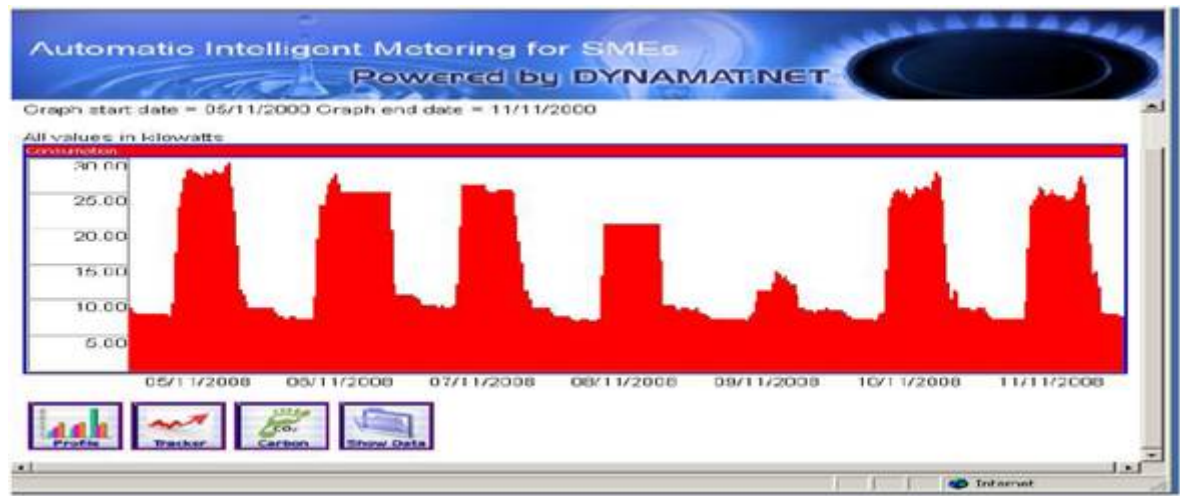
WP 3 Setting Up Intelligent Metering in Participating Organisations

- 77 SMEs participated in the project.
- Utilities monitored include: gas, electricity, water and heat.
- Working with a diverse range of SMEs
- Developed an analysis tool Dynamat Lite.
- Commissioned a host server to collect data from across the project.
- Accessed external funding for the cost of installation of hardware in SMEs.



WP 4 Analysis of Data

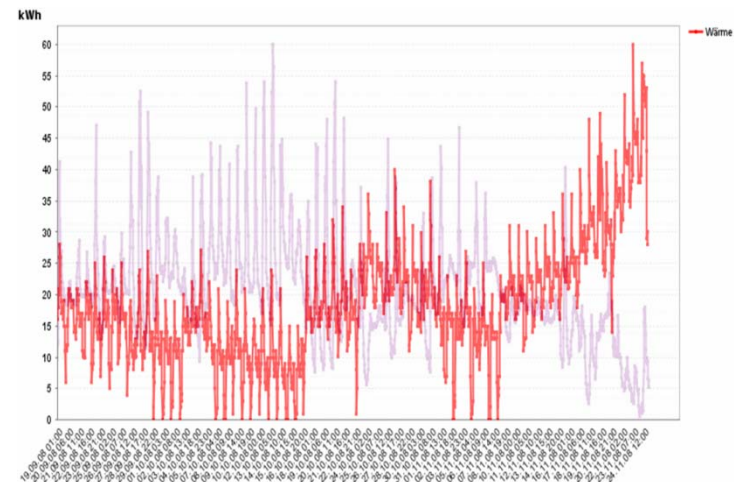
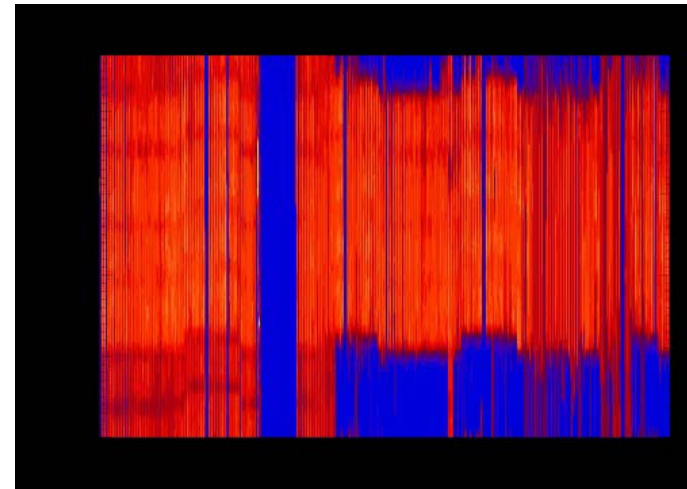
- Initial analysis reports for all SMEs on the first 4 weeks of data collected.
- Recommendations made to SMEs based on the report.





WP 4 Analysis of Data

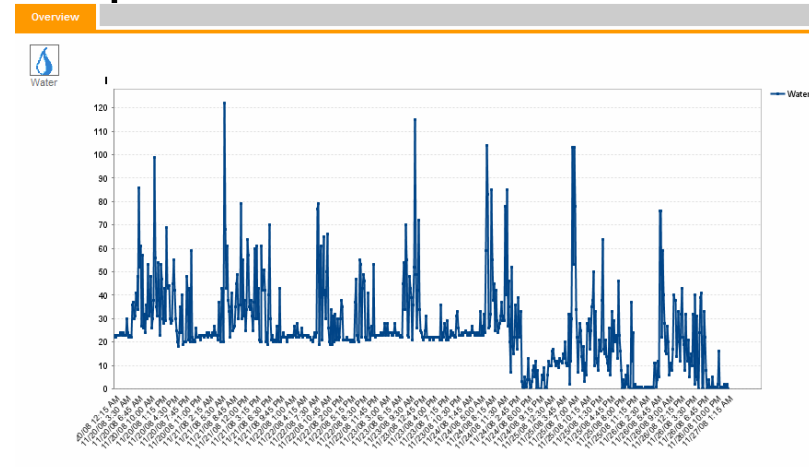
- Explored different ways of presenting the data
- SMEs preferred simple charts
- Looked at consumption patterns
- Identified base load
- Highlighted irregularities
- Assisted in identifying savings
- Analysed effects of bureau service and training





WP 5 Bureau Service

- Most useful support to SMEs
- Different techniques to suit the needs of SMEs
- Allowed to set alarm limits, consumption targets
- Ongoing monitoring of public buildings from previous IM project
- Translated data into events, actions and savings
- Proved savings are possible





WP 6 Training of Employees /Facilities Users

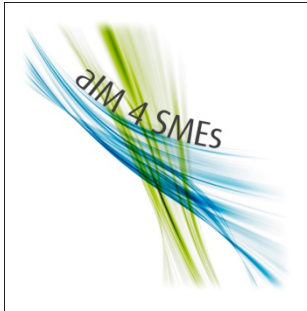
- Production of a training manual which has had executive summaries translated into partner languages
- 79 training sessions delivered
- Over 300 members of staff trained
- Diverse use of manual, posters, resources
- Influenced behavioural change
- Impact analysed by data





WP 7 Communication & Dissemination

- 22 case studies
- 37 presentations been made across the 4 countries
- Leaflets have been designed and distributed
- Website is updated
- 3 project newsletters
- 21 press releases across partner states
- 13 workshops across 5 states
- CD Rom
- USB sticks
- 8 articles produced and circulated
- Participation during European Sustainable Energy Week



Thank you

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