

Industrial Energy Auditing

The function of the energy audit is to complete an energy balance for a facility and in the process identify all opportunities for minimising energy usage and maximising recovery.



Invariably, an energy audit produces recommendations for potential projects that require continued action.

Eirdata coordinates every aspect of project management of such projects including: feasibility assessment, savings and capital cost estimating, system design, construction coordination, start-up assistance, operational training and cost savings verification.

We have licensed professional engineers who can provide the expertise required for virtually any energy improvement project.

Benefits

- Identification and implementation of energy saving initiatives
- Improved operational control
- Reduced carbon footprint / environmental impact
- Improved awareness
- Benchmark performance
- Increased capacity
- Reduced cost of operation

Services Include

- HVAC.
- Boilers (steam and hot water) and all viable energy optimisation technologies related to steam and heat production, distribution and use.
- Refrigeration and cooling systems.
- Combined Heat and Power (CHP).
- Compressed air and nitrogen
- Pumping systems
- Electrical systems, motors, transformers, etc.
- Monitoring and Targeting (M&T).
- Heat recovery and PINCH technology.
- Building Management Systems (BMS).
- Carbon Footprint Audits
- Project management of strategy implementation
- EU Emission Trading Scheme (ETS) services – documentation, audit preparation
- Energy Management System consultancy (to a number of international standards)
- Training services
- Carbon emission monitoring

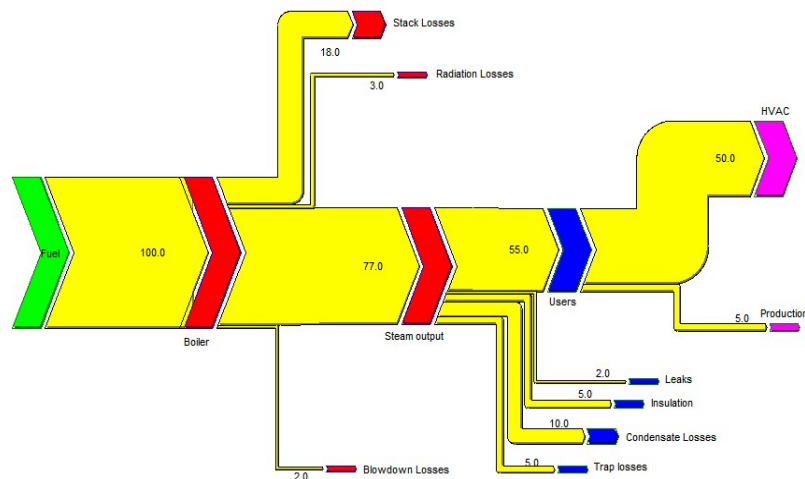


Figure 1 - Typical Energy use from steam boiler plant – pre optimisation

SEI Awarded - Energy Service Company of the Year - 2007

Eirdata is an energy consultancy based in Cork, Ireland. We have clients in Ireland, UK, Italy, Europe and China. Many of our clients are multinational organisations.

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