

Originating as a family-owned business in the 1940's, The Malcolm Group has become a leading provider of logistics and construction services, employing assets of over 1,600 people, 450 trucks, 1,000 trailers, 120 items of heavy plant and over 3 million square feet of warehousing throughout the UK.



MALCOLM GROUP

Lean Team

Stephen Steenson
Warehouse Manager

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Workshop Manager

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Lean Implementation Project

The evaluation of energy usage at the Newhouse site with the following objectives:

- Applying Lean methodology to energy management
- Making improvements to current practices
- Educating the workforce on waste
- Reducing cost

Methodologies

- Value stream mapping
- Brainstorming wastes
- Data analysis of all types of energy
- A Think Lean and Green campaign

Heating Oil

Changes to the heating management were made during the project which included:

- Regular adjustments to the time clock
- Servicing and inspection of the space heater
- Awareness campaign to all employees

The above have led to savings of £810.97 for a specific period of one month measured during the project.

Annual savings of 5,100 litres of oil equating to an annual benefit of £10,542.61, and 77.17 tonnes of CO2 emissions.

Water usage

During the project, an example of reducing water usage was to install mains-fed water coolers.

After the initial investment, the payback in Year 1 will be £1,300 and a further £2,000 for each year thereafter.

Electricity

Changes to the management of electricity were made during the project which included:

- Reading from electric metres being recorded weekly
- Warehouse PIRs reduced from 16mins to 8mins
- Additional lights in sheds disconnected
- Faulty light switches repaired
- Canopy lights on time switches adjusted
- Energy reduction boxes installed for perimeter lights
- High energy users identified
- Awareness campaign to all employees

Total benefits show a saving of £8,857, and 40.68 tonnes of CO2 emissions.

"The exercise allowed employees to carry out cost analysis independently from their own core activities and bring to the board their positive findings.

In instances like this the individuals concerned learn not to take things for granted and it prompts them to challenge further areas of the business going forward.

The company would encourage this style of approach in both driving costs out and supporting individual's appreciation of the wider scope of the business, how they can influence it independently and more importantly as a team and also their own personal career development"

Jim Clark, Managing Director