

Introduction:

- I am Paul Jones, Production Manager at Morgan Contract Furniture. We are Designers and Manufacturers of Contract Furniture.
- In partnership with our customers we work to design and manufacture stylish, comfortable contract furniture for beautiful interiors. We Manufacture standard and customised pieces supplied to hotels, bars, restaurants, cruise ships, offices and healthcare.
- We manufacture at our site in Southbourne, Emsworth.
- We employ 70 local people.
- We do not employ an Environmental Manager. All of our achievements have been through a collective responsibility to achieve our Environmental Policy commitments.
- In their continuing commitment to be an environmental leader, in 2004 Morgan established, and achieved, an aggressive plan to reduce overall impact on the environment, so as to significantly reduce consumption of raw materials, energy usage, Volatile Organic Compounds (VOCs), waste to landfill and water usage.
- I am going to briefly explain what we have achieved, how we did it and encourage yourselves to do the same.

Environmentally, what have we achieved:

- Reduced waste as source
- Only produce to order and have a continuous improvement philosophy towards lean manufacturing – doing more with less.
- Landfill volume reduced by 40%
- Water usage 1200L saved p.a
- Lighting energy reduced by 44% - equating to 21,800 kWh and £2,400 p.a
- Biomass heating saving 670,000 Kwh p.a and £17,000

- Reduce curing energy requirement by 95% - equating to 360,000 kWh and £9,000 p.a
- Plus many smaller savings from various projects
- Work closely to support local schools / colleges / charities / other business

How to do it: Resource Efficiency

1. Educate your employees to understand the company vision towards sustainability and make clear the benefits to them, the company and the community as a whole – get buy in.

Without buy in, it will be very difficult to drive any change and idea generation will be very limited.

2. Find a support body to work with (Industry Bodies, Envirowise, Carbon Trust, Local Authorities etc) for help, tips, advice.

Not 1st people to investigate. Lots of funded workshops & help (Local council, industry bodies, national bodies). Local companies to work with. This is the easy bit as there is so much help out there.

3. List potential areas of focus

This will give be the start of your focus towards grading your

- Timber
- Polishing
- Foam
- Fabrics
- Gas – Heating , Forced drying
- Electric – Machines, Lights, Extraction
- Water
- Packing Material
- Transport

4. List priority – Pareto analysis (20:80)

- At source raw material – eg £300k
- Transport – eg £100k
- Energy spend – eg £50k

- Packing material – eg £15k
- Water – eg £2k
- Break down into subsections

5. Investigate potential and agree priority

- Create interest & ideas from the workforce
- Raw Material – already reduced at source
- Electricity – Motors / Lighting / Use off-peak / Turn off when not in use
- Gas – Heating 3 x 50KW units / Forced drying using 700kw old boiler – replace with biomass or efficient new technologies
- Transport – Load distribution / Driving time / Use lorry size appropriate for load

6. Implement

- Interest free funding from Carbon Trust
- Funding from local government (more difficult!)

7. Review

- Make sure achieve results expected
- Keep looking for savings through workforce ideas / new technology / new funding / industry bodies