



ANTARIS

GUIDANCE | COMPLIANCE | TRUST

Green Enterprise Project on Social Responsibility

HEALTH & SAFETY MANAGEMENT

QUALITY MANAGEMENT

ACCESSIBILITY

ENVIRONMENTAL MANAGEMENT

ENERGY MANAGEMENT



helping local business succeed



- Improves efficiency and effectiveness of business
- Encompasses the ways in which a business contributes to a better society
- Actively encourages engagement with stakeholders: business, customers, employees, shareholders, local community etc
- Provides value to stakeholders
- Integrates social and environmental concerns into business operations





- Efficient use of energy, water, materials, time, effort
- Prevention of waste
- All these things cost money
- Small businesses need money/cash flow
- **So.. ..Why don't businesses focus on Resource Efficiency?**
 - Too busy making products/ providing service
 - Not enough staff time devoted to RE
 - Capital expenditure an issue
 - Confused by the variety of technologies/ solutions
 - Weak environmental policy/ culture

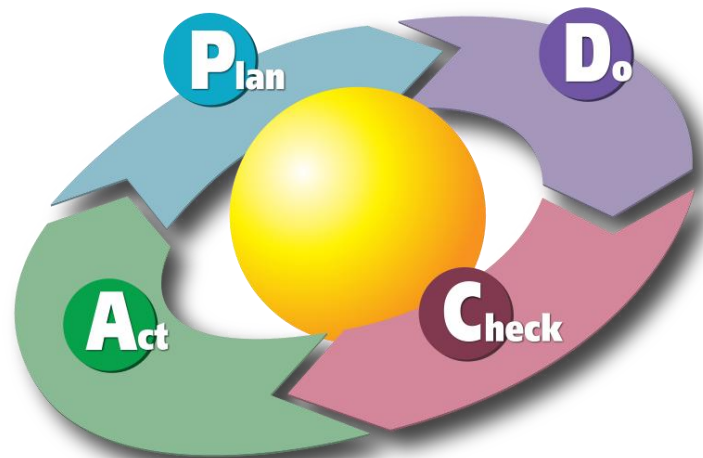


- Cultural change, need to place greater value on resources
- Management need to be convinced to invest in RE, from a cost and market perspective
- Staff awareness
- Technology





- Measure and Report – see the value
- Prioritise – Pareto, 80/20 Rule
- Identify Cost Effective Solutions (Technical, Practical, Assistance available)
- Implement (Involve employees)
- Measure again – report the benefits





Food Processing Plant

- Replace T8 florescent light with T5 florescent lights.
- 40% reduction in energy
- > energy reduction in cold storage
- Lamp Cost- €9,000
- Energy Savings - €15,000
- Payback =7 months



Source: www.greenbusiness.ie



Office block

- Installed new gas boiler 92% efficient compared to old oil boiler at 70%
- Natural gas 50% price of oil
- Estimated fuel cost reduced by 68%
- ROI= 1 year





Study conducted to measure water from push-taps:

- Finding: 4 - 6.5 Litres per 'push'.
- Some taps continuously running (due to getting stuck).

Action: Push taps were replaced with manual taps.

- Urinals automatically flushing every 20 mins, 24/7, 365

Action: Sensors installed for urinal flushing

Result:

- Reduction in Water usage of ↓17%
- €600 saving per annum
- Once-off investment: €1,200.





- Gas heating -originally one system for all areas. Some people were opening windows & doors as they were too warm!
- Still being billed in summer months when no gas was used?? - Daily charge just to keep line open

Action: System is now managed in each area separately.

Result:

- Training on new system led to reduction of ↓ 40% in Gas
- Gas line is now shut off for 6 months of the year saving ↓ €2,500 / annum. Investment: €140 / annum (to reopen line).



Reductions made through.....

- ‘Lean Manufacturing’ program - Process efficiency etc
- Records in each area to focus on waste types and sources
- Plastics and metals segregated from clean dry recyclables
- Holder for glue drums to empty them more effectively
- Composter bin for canteen
- Packaging Assessments

Result:

- Waste is down by ↓ 26%.
- No investment.





- A water cooled condenser installed on the cold store – switching from an electrical powered refrigeration system
- Cold stores heat tested - ceiling edges and corners were further insulated.
- Soft start motor fitted to the main blast freezer compressor
- Fluorescent lighting was replaced with LEDs. Natural daylight was maximised through use of skylights
- Lighting sensors were fitted.

Result

Cost Savings: €32,000 / Annum

Investment: €86,000 Payback: 2.5 Years





- Southern Waste Region GreenEnterprise Project—
 - Assisting SMEs with resource efficiency improvements and promoting their Green Credentials to competitive advantage (EPA-grant aided)— if interested please contact SRWMO



- Chambers Ireland President's CSR awards
- Business in the Community



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