

## Work experience project #6

Project challenge	How could the company reduce energy consumption by 20%?
Purpose/outcome	Students will consider all the mechanisms by which energy consumption can be reduced (including energy generation), and make a compelling case for behaviour/ process change
Age/suitability	14 + (including undergraduate), individual or teams
Route	Academic, vocational, work-based
Skills it will develop	Communication, strategic thinking
Knowledge it will develop	Company knowledge, energy saving strategies & technologies
Skills it requires	Online searching
Project Duration	1 week +
Business Exposure	Production, Facilities/ Maintenance
Process	
Day 1	Introduction to the company Who's who Introduction to the company's products, manufacturing process, etc Research into company's current energy consumption
Day 2	Interviews with staff re energy usage Review of areas where energy consumption reduction/ energy generation is possible
Day 3	Investigation into solutions for identified areas Summary report to work experience supervisor
Day 4	SWOT of each solution Decision re which solutions to recommend Calculations of approx. impact on energy consumption/generation using solutions
Day 5	Create presentation on proposed solutions, including justification for solution selection and costs Presentation to senior staff in production, chief exec/director level, W/E manager
Staff time over week	Production staff ñ 7 hours Facilities/Maintenance ñ 2 hours