AUDIT SUMMARY

For The Total Electrical Solution

Energy Savings

Annual Energy Usage - Existing Installation	448,001 kWh
Annual Energy Usage - Proposed Solution	124,738 kWh
Projected Annual Energy Savings	323,263 kWh
Projected Annual Energy Savings	72%

Environmental Benefit

Projected Annual CO_2 Saving	139.0 tonnes

Financial Benefits

Annual Running Costs - Existing Installation	£41,885
Annual Running Costs - Proposed Solution	£11,226
Projected Annual Cost Savings	£30,659
Projected Annual Cost Savings	73%
Projected Cost Savings over 5 year period	£153,293

Return on Investment

Cost of Proposed Solution (installed)	£55,440
Project Payback (installed)	1.81 Years
Project Payback after ECA tax benefit (installed)	1.27 Years

0% CARBON TRUST LOAN -

Annual Running Costs -Existing (exc. Maintenance)	£40,320
Annual Running Costs - Proposed Solution	£11,226
Projected Annual Costs Savings	£29,094
Projected Annual Cost Savings	72%
Monthly Cost Saving (exc. Maintenance Costs)	£2,424
Carbon Trust 0% Loan Term	36 months
Monthly Payment of Carbon Trust Loan	£1,540
Immediate Monthly Cashflow Benefit	£884
Total Project Cost	£55,440
Total Savings Over 0% Loan Period	£87,281
Approx. Potential Carbon Trust Loan For This Project	£55,440
Net Cashflow Benefit Over 0% Loan Period	£31,841
Net Annual Cashflow Benefit After 0% Loan Period	£29,094

SITE AUDIT ANALYSIS:	LIGHTING	Unit Cost per kWh
COMPANY:		(inc. 0.47p p/kWh CCL)
AUDIT DATE:	21/04/2010	£0.09

ESTIL
For The Total Electrical Solution

Existing Equipment

Facility Area	Burning Hours per day	Burning Hours per week	Description	Connected Load per fitting (kW)	Qty	Total Existing Connected Load (kW)	Total Existing kWh usage p.a.	Typical Maintenance Costs (Lamps/Labour)	Total Running Cost £ per year
Production Hall	24	5	400W Metal Halide High Bay	450	88	39.6	247104	£ 880	£ 23,119
Workshopss and Stores	24	5	Twin 100W Fluorescents	235	137	32.2	200897	£ 685	£ 18,766
TOTAL					**225**	**71.8**	**0**	**448001**	**£ 1,565**	**£ 41,885**

Proposed Solution

Facility Area	Burning Hours per day	Burning Hours per week	Description	Connected Load per fitting (kW)	Qty	Total Proposed Connected Load (kW)	Benefit from Sensor (Occupancy/ Daylight Saving) %	Total Estimated kWh p.a.	Maintenance Costs (during payback period)	Total Running Cost £ per year
Production Hall	24	5	4x55W Energy Efficient Luminaire	227.5	88	20.02	30	87447		£ 7,870
Workshopss and Stores	24	5	1x80W Energy Efficiency Luminaires	83	120	9.96	40	37290		£ 3,356
TOTAL					**208**	**30.0**		**124738**	**£ -**	**£ 11,226**

PROJECTED % kWh SAVING	PROJECTED % COST SAVING	PROJECTED CO_2 SAVING (TONNES)
72%	73%	139.0