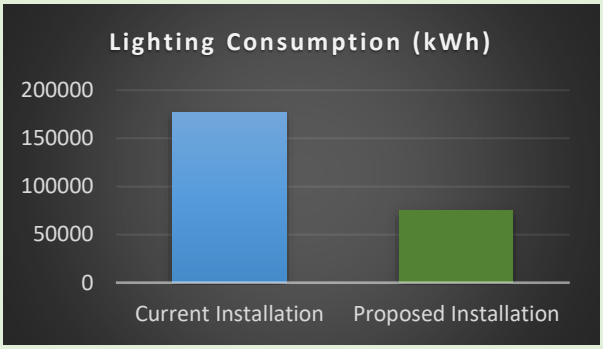
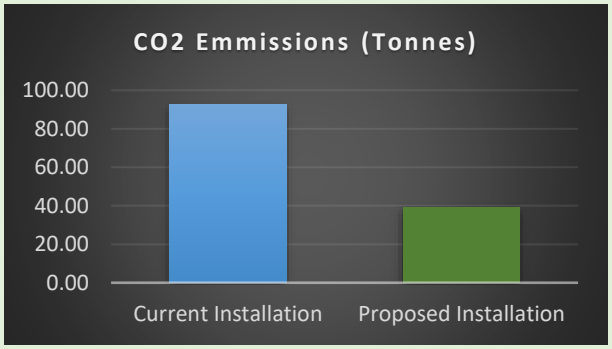
LED Case Study 1: Factory Example

Site Summary	
Current Price (Pence Per kWh)	£ 0.12
Current Installation	
Number of fittings	100
Annual electrical consumption of lighting (kWh)	176717
Annual Spend on electricity for lighting	£21,206.02
Assumed Servicing Costs (annual)	£1,500.00
Total Current Annual Costs (A)	**£22,706.02**
Current Annual CO2 Emissions from lighting (T's)	92.42
Proposed Installation	
Number of fittings	100
Annual electrical consumption of lighting (kWh)	74880
Annual Spend on electricity for lighting	£8,985.60
Assumed Servicing Costs (annual)	£0.00
Total Proposed Annual Costs (B)	**£8,985.60**
Proposed Annual CO2 Emissions from LEDs (T's)	39.16
Total Expected Annual Savings = (A)-(B)	**£13,720.42**





Payback Calculations	
Hardware Non ECA Compliant	£ -
Total Non ECA Compliant	**£ -**
Hardware ECA Compliant	£30,202.86
Labour, Plant & Machinery - ECA Compliant	£7,344.29
Total installation ECA Compliant	**£37,547.14**
Total Installation	**£37,547.14**
ECA Benefit	**£7,509.43**
Carbon Trust Funding (if applicable*)	**£5,632.07**
Total installation including ECA & CBTF	**£24,405.64**
Payback Model (Years)	**1.78**
Annual CO2 Emission savings (Tonnes)	**53.26**

This is example is based on 100 fittings run for 12 hours per day, 6 days per week.

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