



## **Full Council Meeting**

**Date: 23<sup>rd</sup> November 2023**

**Number: FC093**

**To consider the quotes to install sensor lighting throughout the common areas of the Queen's Hall to help reduce electricity costs and prevent lights being left on by hirers overnight**

### **1. Introduction**

Over the past 18 months the cost of utility bills at the Queen's Hall have increased significantly. This, alongside an awareness of climate change, net zero and trying to reduce our use of energy led to the suggestion that we look at installing sensors for our lighting in the communal areas of the hall. Having sensors will reduce the need to leave lights on all day during on dark days, and also reduce the risk of hirers leaving lights on all night when they leave the building.

### **2. Costings**

Summary costings to install PIR sensors are itemised below, with detailed quote information included at the end of the report. The sensors would be installed in the entrance hall, outside the museum entrance, next to the loft and in the bar area, up the stairs, on the 1<sup>st</sup> floor landing and along the side corridor to the rear garden.

The main hall, kitchen office and council chamber will remain as they are.

Company 1 - £991 ex VAT

Company 2 - £2,584.41 ex VAT

Company 3 - £717.70 ex VAT

**Company 1:**

RH17 5EL	PIR Sensors
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Details of Work

Item Description	QTY	VAT %	Unit Price	Line Total
Removing existing switching (with the exception of lobby due to large grid plate - these will be de-wired) and replacing for blank plates/grid blanks.				

PLEASE NOTE - Wireless sensors to be provided using quinetec energy to allow for no cosmetic damage to the installation.

Installing quinetec wireless PIR sensors in locations below:

2 no. side of hall.

1 no. side of hall narrow corridor.

2 no. first floor landing.

3 no. hall lobby.

1 no. lift lobby.

1 no. middle lobby.

	1	20	£991.00	£991.00
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Installing surface mounted 360 degree PIR sensors using existing trunking system in the below areas:

Entrance corridor.

Entrance.

Sub Total	£991.00
Total VAT	£198.20
<b>TOTAL</b>	<b>£1,189.20</b>

**Company 2:**

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
11/11/2023	Electrical Works	<p>Council Chamber/museum landing and stairs;</p> <p>Alterations to wiring where required. Cabling with be clipped and contained where required.</p> <p>Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)</p> <p>Installation of 2x Ceiling Movement sensors at each end of landing areas Installation of 1x Ceiling Movement sensor at bottom of stair way.</p>	1		
11/11/2023	Electrical Works	<p>Corridor (along side state hall);</p> <p>Alterations to wiring where required. Cabling with be clipped and contained where required.</p> <p>Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)</p> <p>Installation of 3x Movement sensor light switches</p>	1		
11/11/2023	Electrical Works	<p>Open area (Hall, Kitchen and store cupboard);</p> <p>Alterations to wiring where required. Cabling with be clipped and contained where required.</p> <p>Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)</p>	1		

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11/11/2023	Electrical Works	Installation of 2x Ceiling movement sensors Disabled Access Lift area;	1		
		Alterations to wiring where required. Cabling with be clipped and contained where required.			
		Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)			
11/11/2023	Electrical Works	Installation of 1x Ceiling Movement sensor Museum Entrance Area;	1		
		Alterations to wiring where required. Cabling with be clipped and contained where required.			
		Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)			
11/11/2023	Electrical Works	Installation of 2x Ceiling movement sensor Main Office and main Entrance Area;	1		
		Alterations to wiring where required. Cabling with be clipped and contained where required.			
		Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)			
		Installation of 3x Ceiling/Wall Movement sensor			
		Removal of Light switches where required. (keeping key switches inplace for testing and inspection purposes)			
11/11/2023	Tested, Inspected and certified.	Installation of 3x Ceiling/Wall Movement sensor All works installed by Range Electrical Services, will be tested and inspected on completion.	1	17.50	17.50
11/11/2023	Parts and Labour	Parts and Labour	1	2,521.91	2,521.91
11/11/2023	Eco-Friendly Disposal of Existing Fixtures and Fittings	Optional Eco-friendly disposal of Existing Fixtures and fittings removed.	1	45.00	45.00

Works to be completed out of hours simultaneously.  
Please allow additional costing if works are completed individually.  
Completion of minor repair works where required (sanding and painting required on completion)  
Allowance to return to adjust timers where required on completion of works.

TOTAL

**£2,584.41**

### Company 3:

#### Occupancy sensors

To install occupancy sensors on all main thoroughfare for public from the entrance to the museum.

Also for the bar lobby and corridors leading down to the main hall entrance.

Description	Quantity	Unit Price	VAT	Amount GBP
TJR Labour day rate	1.50	320.00	20%	480.00
Slimline ceiling PIR	5.00	20.93	20%	104.65
Wall mounted PIR switch	6.00	21.35	20%	128.10
Black 3c 1mm flex cable	15.00	0.33	20%	4.95
			Subtotal	717.70
			TOTAL VAT	143.54
			<b>TOTAL GBP</b>	<b>861.24</b>

### 3. Recommendations

Council should consider whether they wish to proceed with changing the lights to run from sensors rather than being switched on and off at the wall and if so, which quote they would prefer to accept.

Name: Sam Heynes  
Title Clerk  
Date: 15<sup>th</sup> November 2023