



**12 December 2017**

**REQUEST TO COMMIT FUNDING FOR NEW  
TECHNOLOGIES IN CARE – HOWBURY HOUSE**

---

**Relevant Cabinet Member**

Mr A I Hardman

**Relevant Officer**

Director of Adult Services

**Recommendation**

1 **The Director of Adult Services recommends that the Cabinet Member with Responsibility for Adult Social Care:**

**(a) approves the attached business case from Altium and agrees the £199k funding of New Technologies in Care as identified in this report for Howbury House, to deliver the cashable benefits outlined below; and**

**(b) authorises the Director to take all necessary s/1 176.7(i)W 1 20th/1.02 497. -3(n)-3(-2**

---

### **Initial progress and challenges**

4. The approach so far has been to identify projects through which technology could enable the service to be delivered in new and innovative ways. These projects include Howbury House, Berrington Court (Extra Care), Supported Living (Learning Disabilities) and Greenhill Lodge (Children's Services)
  
5. To procure the right solutions, the Council has developed a NTIC Dynamic Purchasing System (DPS) on which there are now 28 potential suppliers. The DPS is available to six councils and the three Worcestershire CCGs. Developing the DPS has taken a considerable amount of time as this involved challenging and changing systems, process and thinking.

### **Next steps and investment opportunities**

#### **Howbury House**

6. Howbury House is a residential care home which is owned and run by the Council. It was
-

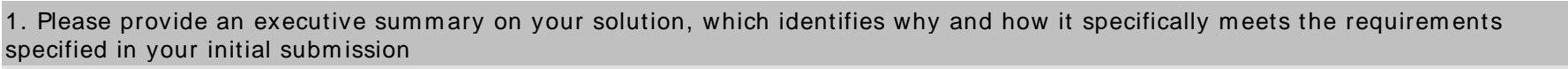


**Appendix 1 – New technology in care, summary of funding and return on investment.**

<b>Project / Work Area</b>	<b>Technology Supplier</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>2021/22</b>	<b>Total</b>
<b><u>Investment</u></b>							
<b>Howbury House</b>	Altium	168,680	1,200	9,450	9,636	9,831	<b>198,797</b>
<b><u>Return on investment</u></b>							
<b>Howbury</b>	Altium	59,781	60,976	62,217	63,462	64,713	<b>311,149</b>
<b><u>Net</u></b>							
<b>Howbury</b>	Altium	<b>108,899</b>	<b>-59,776</b>	<b>-52,767</b>	<b>-53,826</b>	<b>-54,882</b>	<b>-112,352</b>

## Appendix 2 – Altiom Business Case

### Howbury House Business Case Questionnaire

- 
- 1 System Description
  - 2 Application Areas
  - 3 Commercial summary

#### 1 System Description.

The Altiom system comprises of a number of interactive components, which, when combined, allow Care Providers to create personalised solutions based on the needs and capacity of the individual. Those components allow the system to:

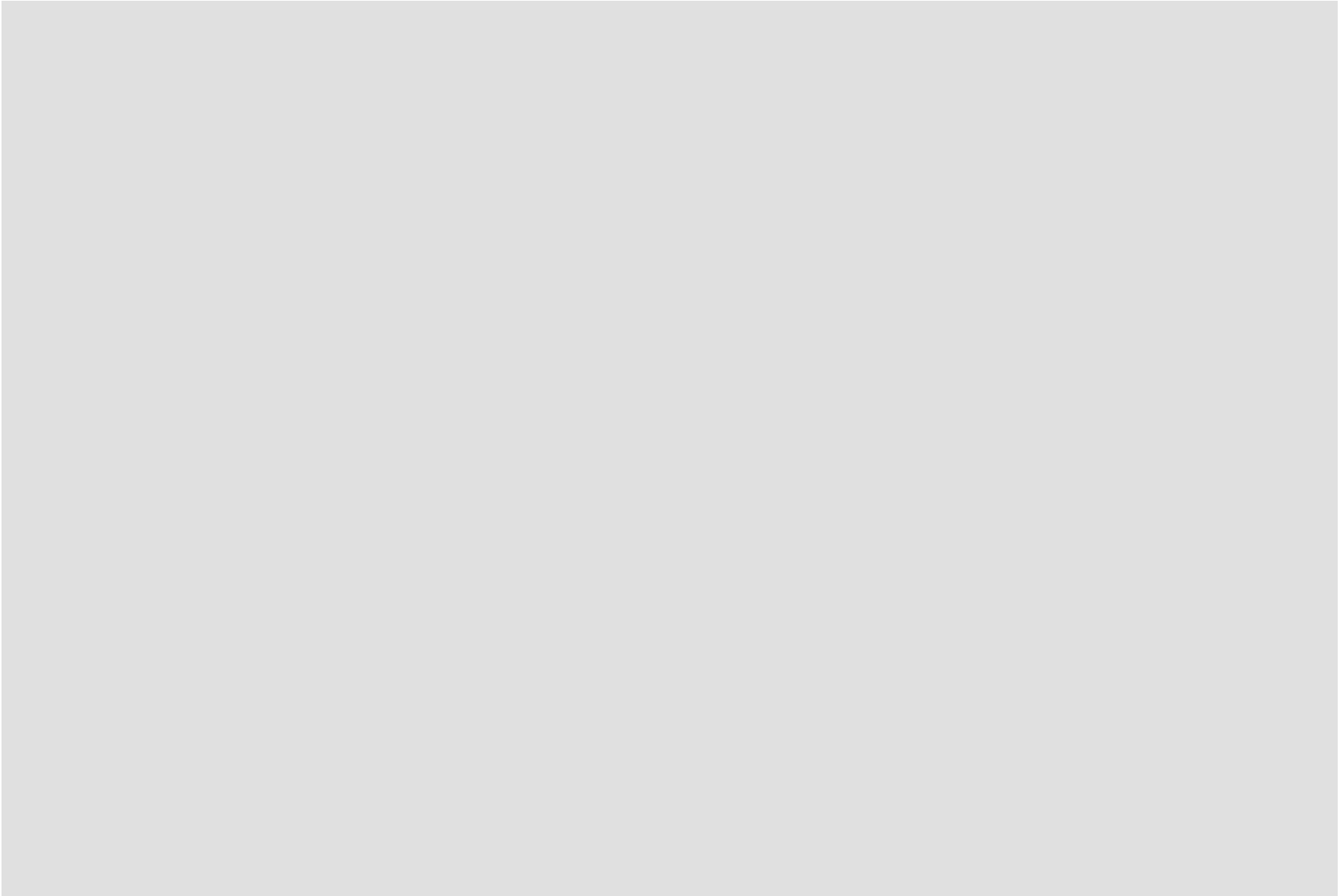
- Monitor a wide variety and number of non-proprietary sensors, wired or wirelessly.
- Connect all devices as part of the Internet of Things (IoT).
- Be programmed to meet the personalised needs of the individual and their care plan.
- Monitor mobility and activity.

• Interact



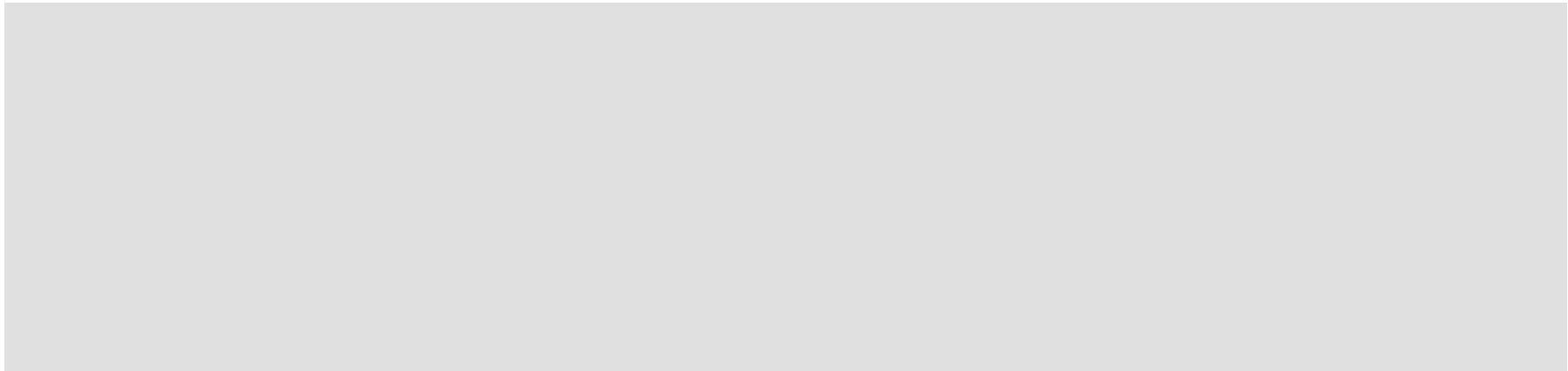
---

- 
- Creation of virtual visits.



---

Howbury and WCC.





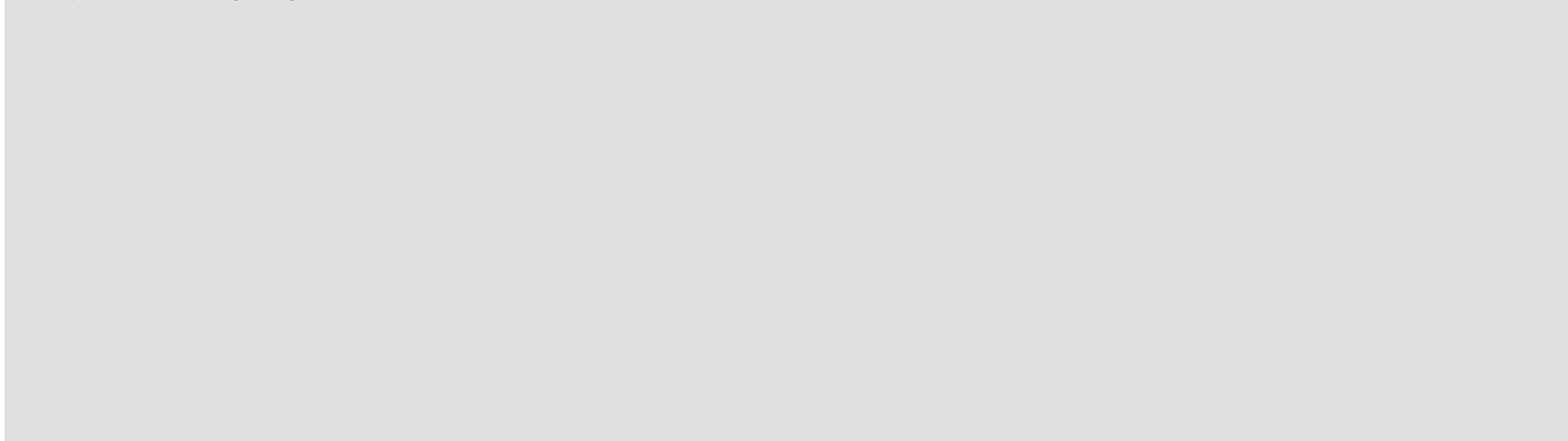




---

Initial assessments indicate that there are clear and immediate benefits in the following care areas, which will be implemented first to maximise efficiency:

- Night time bedroom monitoring, where there are currently 2 hourly manual checks performed on every resident, with little or no alert/alarm function. There is also a security check at the beginning of the shift.





Basis for calculation and assessment of benefit at Howbury



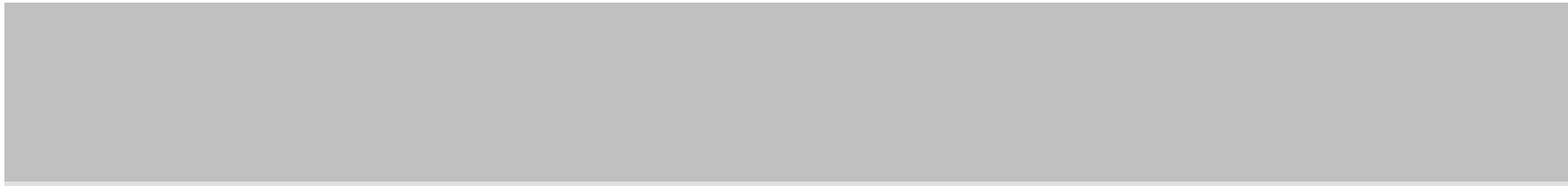


As stated in the Executive Summary, Altium's costs fall into a number of categories.

xxxxxxxxxxxxxx

Costs which Altium Ltd will voluntarily bear and which are shown as investment from supplier include: In depth implementation consultancy, R&D, continued work to integrate emergent technologies during and after the project, for example voice recognition, integration with other agencies, continued development of the Altium system and the Altium database (Altium DB), as part of a future commercial partnership. The company do not seek a return on this investment from this project, but seek to further the deployment of the system in other areas with WCC as a commercial partner.

The long term aim is to make Howbury an exemplar scheme and to improve efficiencies and outcomes. This will help both WCC and Altium to influence service provision elsewhere, providing financial benefits and better outcomes.



---

A Public Services Network Compliance Certificate could be issued by the company, if required by WCC, to evidence that the infrastructure is sufficiently secure that its connection to the PSN would not present an unacceptable risk to the security of the network.

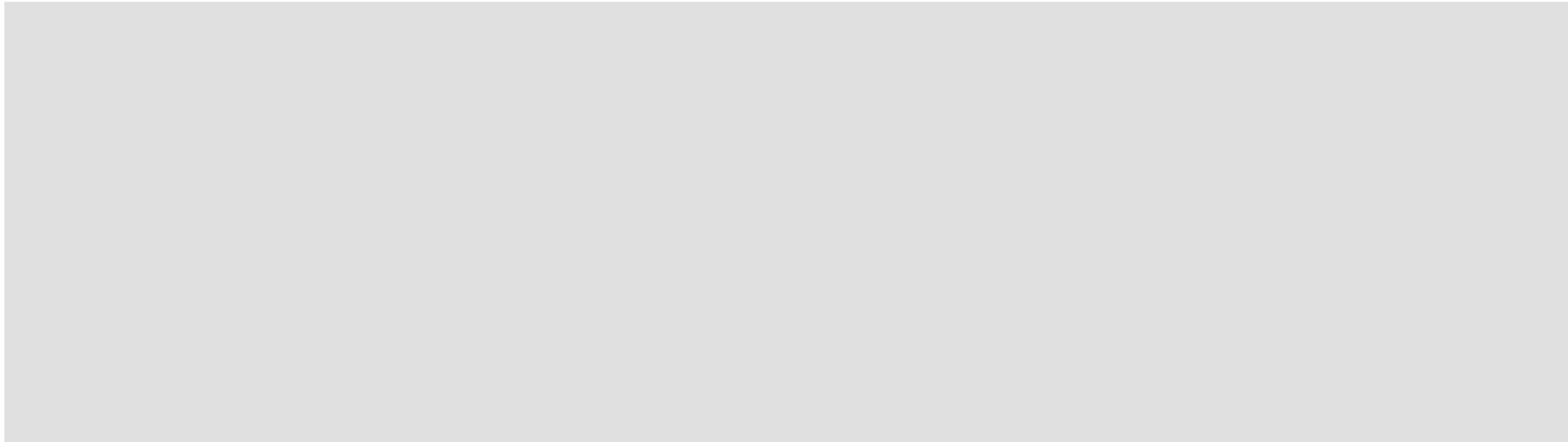
To comply with the principles of the DPA 1998

However, it is unlikely that PSN certification will be required as it is not likely that the system will be required to connect directly with WCC or NHS networks, preferring to allow 'web access' to data and services provided by Altiom.

It should be noted that our cloud hosting provider Amazon Web services (AWS) UK is PSN certified <https://www.gov.uk/government/publications/public-services-network-psn-service-compliance/psn-compliant-services>.

Should PSN compliance be required then consultation would need to be entered into to ensure that Altiom's security arrangements are compatible with PSN standards and that certification can be issued.

At all times Altiom will adhere to its own security policy including but not limited to:

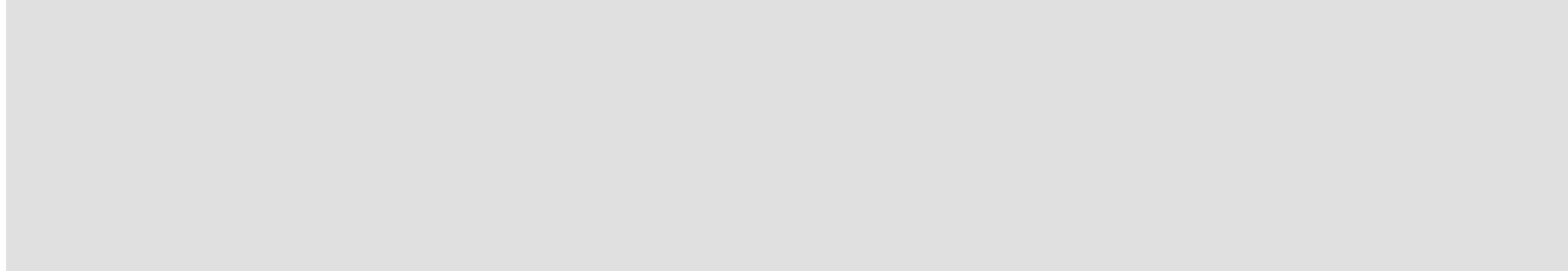








Notwithstanding the features stated in section 22, the system delivered will be equipped with the following standard reports;







From the dashboard interface there is a section to define a schedule for delivering any automated or manual report. This follows on from the reports date/frequency dialogue (which defines the 'schedule'), where there is an option to select what to do with the report. On selection of 'Report by email' it is possible to set and change email addresses, add multiple emails ad BCC emails etc.

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
Reports can be scheduled to be delivered daily weekly or monthly, xxxxxxxxxxxxxxxxxxxxxxx

Report contents can be customised to give the information that WCC decide is required. That can be scheduled based on time intervals of WCC's specification