



SUNDERLAND COUNCIL'S APPROACH TO ASSISTIVE TECHNOLOGY & IT'S IOT NATIONAL TEST BED PILOT

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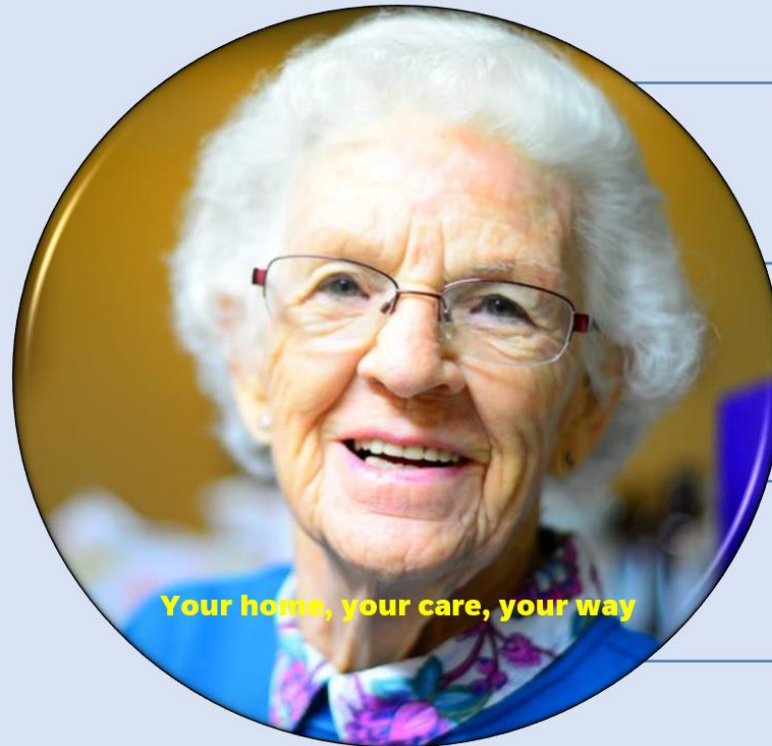
THE INTERNET OF THINGS

- Technology items such as Smart Phones, Wearables and Home Automation are becoming common place in our society. This consumer tech is being harnessed for so many different purposes.
- This led to the Sunderland's Adult Social Care Department, to ask the question.
- Can this Technology be harnessed for care proposes?



 **SAMSUNG**
SmartThings™

OUR APPROACH TO TEC & AT



Early Intervention
Prevention - Self serve
home solutions and
advice/support



Early Intervention
Prevention - Self serve
home solutions and
advice/support



AT considered during care
assessment - Providing
services/support



AT considered during
care assessment -
Providing
services/support

OUTCOMES FROM THE PRESCRIBING TEAM APPROACH

- Out of (149 cases), the initial cost of the weekly ongoing package (prior to AT) was identified as £40,310 per week
- the predicted cost of on-going care package after AT being £24,724 per week (a saving of £15,585, = 38.7%)
- Over a 12 month period – this could equate to potential/anticipated savings of £812,619.

IOT NATIONAL TESTBED

- National Test Bed Established
- Discovery phase completed
- Implementation phase begun
- Establishment of Assistive Technology Prescribing Team in adult social care



Sunderland Connected City

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Learn more



F312340

Dave Young

Back to List of Clients

Help

Log Out

Dashboard for AT Demo Suite

Here are the recent alerts
Select an alert to acknowledge it

Description	When it occurred	Acknowledged
Fridge not been accessed	12-Jun-2019 14:52:02 (1 hour ago)	Not acknowledged
Fridge not been accessed	11-Jun-2019 14:47:21 (1 day ago)	Not acknowledged
Fan on	11-Jun-2019 14:37:33 (1 day ago)	Not acknowledged
Fridge Closed	11-Jun-2019 14:35:31 (1 day ago)	Not acknowledged

View detailed charts

Show unassigned devices

Download

Date: 2019-06-12

Day

Week

Month

▶▶



Fan: Off

1 day ago



4 Button Mood Monitor: Happy

2 days ago (Device offline)



Motion sensor: Movement Detected

23 hours ago 100% 25°C



Door Lock: Locked

23 hours ago 90%



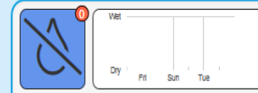
Front Door: Closed

2 days ago 25°C 84%



Bulbs: On

2 days ago (Device offline)



Water Leak: Dry

6 days ago 25°C 96%



MQ Motion Sensor: Movement Detected

3 weeks ago (Device offline) 23.1°C 100%



8 button Mood Monitor: Happy

2 days ago (Device offline) 96%



Fridge: Closed

1 day ago

SUNDERLAND CONNECTED CITY CORE

<https://www.sunderlandconnectedcity.co.uk/>

OUTCOMES FROM THE IOT TESTBED

- The project identified the four most common health and social care problems. Which turned out to be Medication Management, Nutrition & Hydration, Mood Monitoring and Moving Around the Home.
- Some peoples conditions meant that the devices alone didn't meet their needs
- We found that overall the software core performed as expected and carer's and care professionals could access the data which was displayed in a simple to understand format.
- We discovered Around two thirds of participants taking part in the project had existing broadband within their properties

WHAT ARE THE FUTURE PLANS

Continue to promote consumer tech as preventative offer

Perform a design stage and develop an improvement plan to scale the pilot up.

Implement improvements to the Core and Devices so they become the core offer following an assessment

Implement a sustainable business model, which can support regional and national upscale

CASE STUDIES



QUESTIONS & ANSWERS

