Housing 2.0



technology trends and opportunities for the housing sector



Paul Lees and Brian Moran www.adactushousing.couk

Resources committed to development

Development costs per unit







Grant + Surplus + Loans

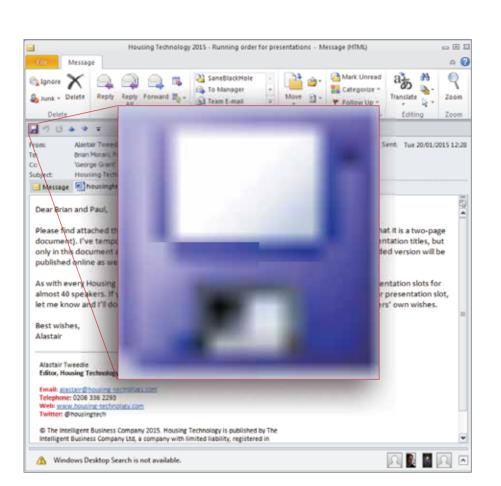


Build costs+ Interest costs





Old habits die hard





The 'read-only web' 1990 - 2004



The 'dynamic web' 2004 -



amazon







Linux

Oracle

C++

Perl

Mason

Java

Jboss

Servlets

1991

1979

1983

1988

2000

1996

2002

1997

amazon

The technology platform wasn't new...



Packaging can be disposed of through waste collection or recycled where facilities are available. Aware of the duty to help maintain a better environment the present packaging is made 100% from recycled fiber and can be fully recycled.







Vorsprung durch Technik



und Management und Führung



Housing 2.0

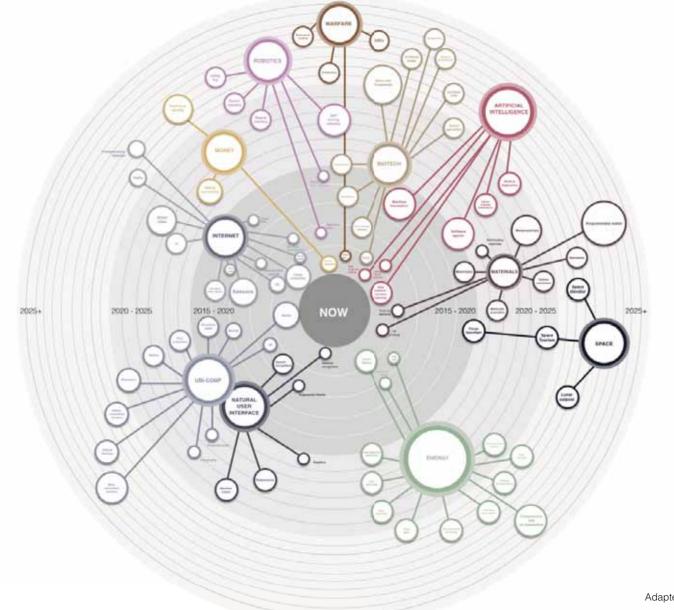
Principles



Vision and leadership to question old ways of working

Fully embrace the opportunities from <u>existing</u> technology

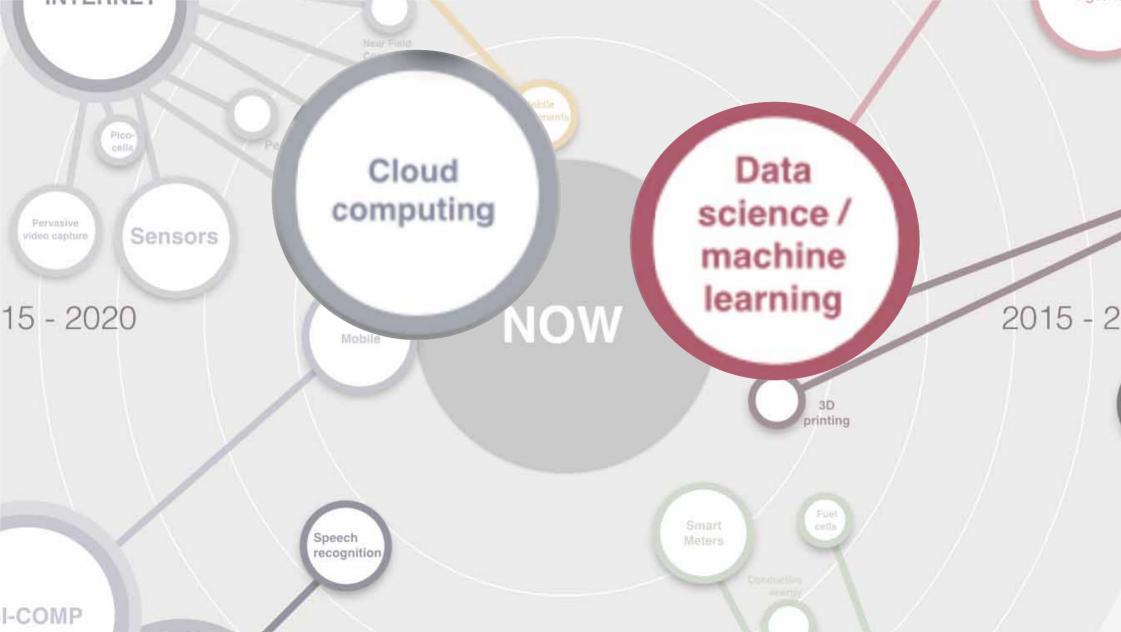
Keep future technology paths open and under review













Amazon Web Services

Compute & Networking



Direct Connect

Dedicated Network Connection to AWS



EC2

Virtual Servers in the Cloud



Elastic MapReduce

Managed Hadoop Framework



Route 53

Scalable Domain Name System



VPC

Isolated Cloud Resources

Storage & Content Delivery



CloudFront





Glacier

Archive Storage in the Cloud



S3

Scalable Storage in the Cloud



Storage Gateway

Integrates On-Premises IT Environments with Cloud Storage

Database



DynamoDB

Predictable and Scalable NoSQL Data Store



ElastiCache

In-Memory Cache



RDS

Managed Relational Database Service



Redshift NEW

Managed Petabyte-Scale Data Warehouse Service

Deployment & Management



CloudFormation

Templated AWS Resource Creation



CloudWatch

Resource and Application Monitoring



Data Pipeline

Orchestration for Data-Driven Workflows



Elastic Beanstalk

AWS Application Container



IAM

Secure AWS Access Control



OpsWorks NEW

DevOps Application Management Service

App Services



CloudSearch

Managed Search Service



Elastic Transcoder NEW

Easy-to-use Scalable Media Transcoding



SES

Email Sending Service



SNS

Push Notification Service



SQS

Message Queue Service



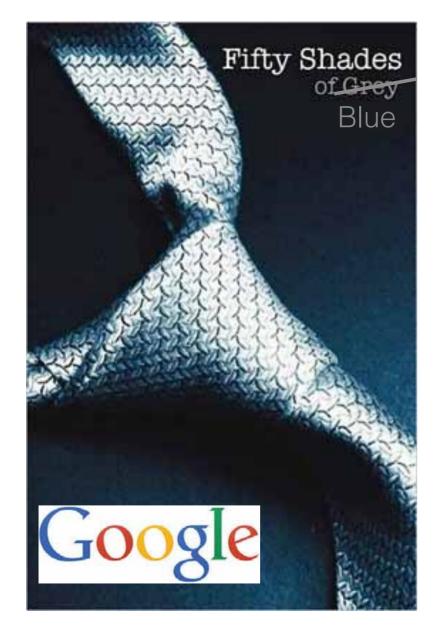
SWF

Workflow Service for Coordinating Application Components



Conducts over 80,000 big data experiments a year





= \$200m

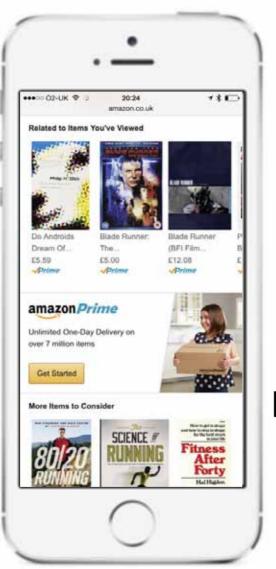






Measure job seeking behaviors of your workforce so you can retain top talent

Discover more



Likes Blade Runner

Likes science and analysis

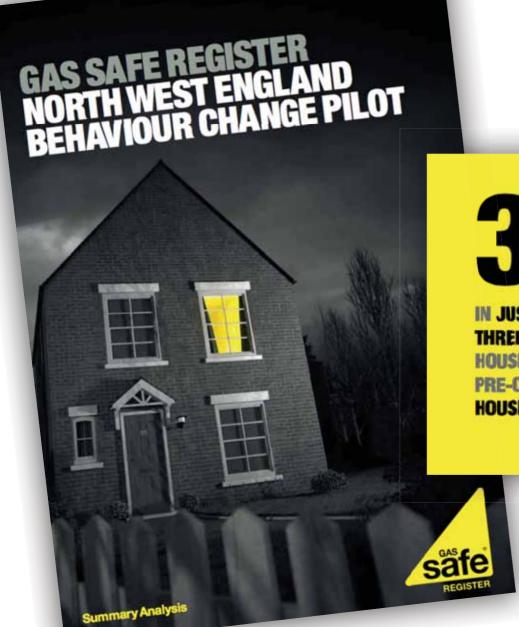
Is over 40

Runs









300% INCREASE

IN JUST FIVE MONTHS GAS SAFE ACHIEVED A STAGGERING THREEFOLD INCREASE IN THE NUMBER OF HIGHER RISK HOUSEHOLDS HAVING ANNUAL GAS SAFETY CHECKS. 26,700 PRE-CAMPAIGN ROSE TO 80,150, THAT'S A TOTAL OF 53,450 HOUSEHOLDS. THE NATIONAL AVERAGE WAS JUST 7%.

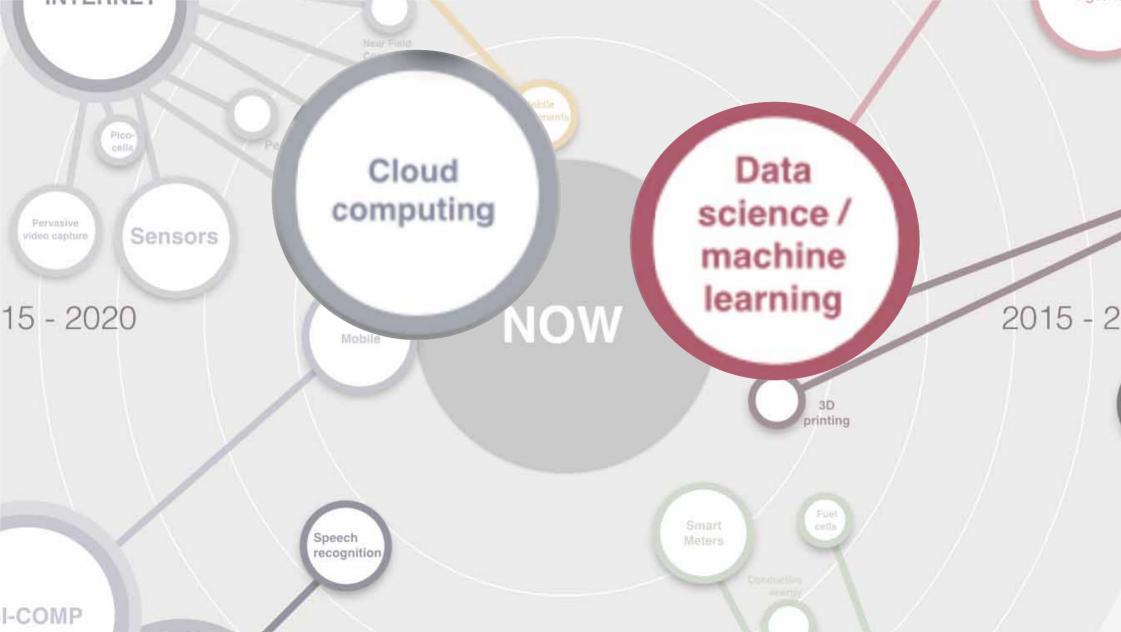
HouseMark

business intelligence



















Overview

Analysis 🔕

Pace Analysis

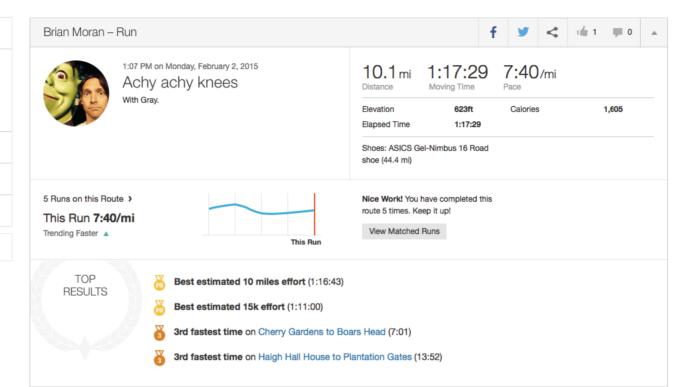
Heart Rate

Segments

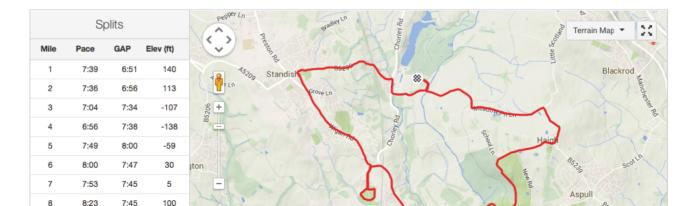
Matched Runs

Laps

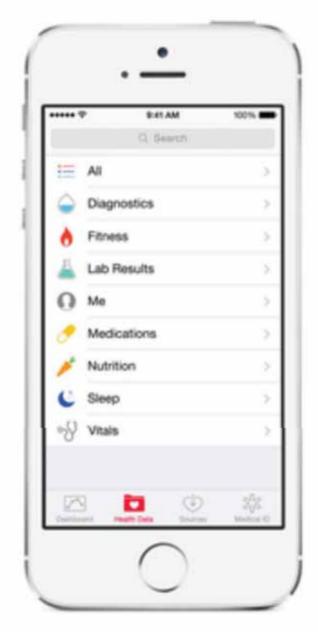
Pace Distribution

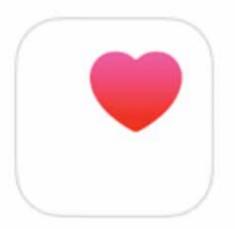


Go Premium 🔑 🧼 🕶









Health.



How It Works

Product

Community





Pet Activity Monitor

Track your pet's activity to help keep your dog healthy.



Measure Activity & Stay Healthy

Onboard accelerometer monitors your dog's exercise & movement.

Tagg comes with a built-in accelerometer that senses your pet's movement. The accelerometer measures steps taken, distance walked, and overall activity duration and intensity every 30 seconds. This data is uploaded into your Tagg account and shown to you with easy to follow activity charts. Track your pet's activity to help keep them healthy and happy!

Set Goals and Track Progress

Tagg Points let you monitor daily exercise and track improvements.

Daily activity and movement will earn your pet Tagg Points based on how active they are. Tagg Points are similar to calories burned, but they take into account other factors such as your pet's previous and recommended activity levels, size, and weight. Set daily Tagg Points fitness goals and use tools like the Activity Snapshot to see if your pet meets their goals.





Recognized By











Connect.

AmberAlert

Stay close to your children with precise GPS tracking.



HOME ABOUT FEATURES QUESTIONS BLOG CONTACT LOGIN



ALWAYS BE IN THE KNOW







Receive notifications the second your child makes or takes a phone call while on the road

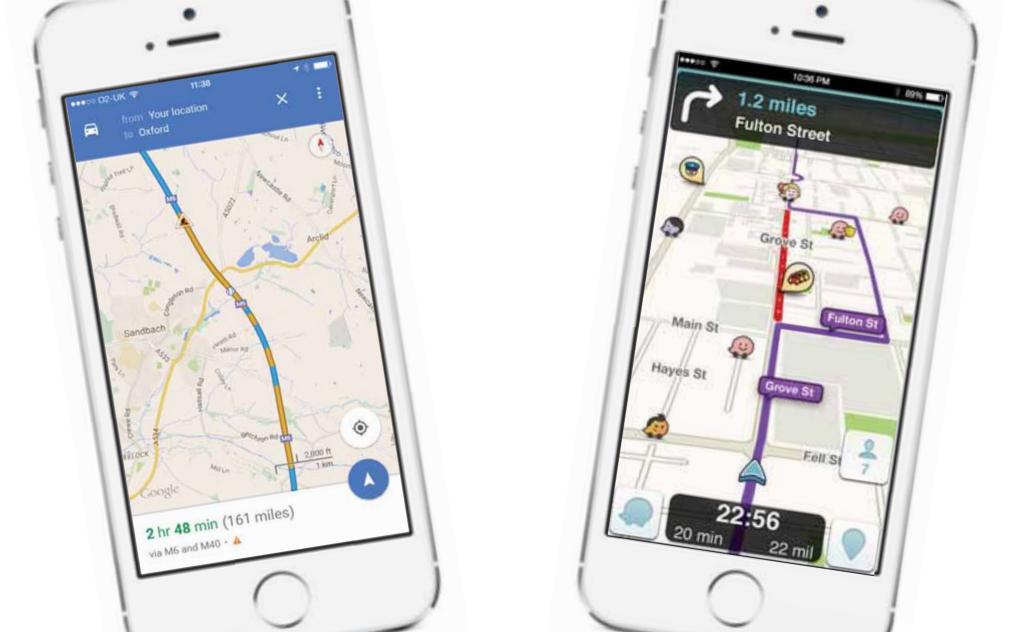


Set maximum speed limits and get
Easily set a perimeter on a map alerts when your teen goes over them



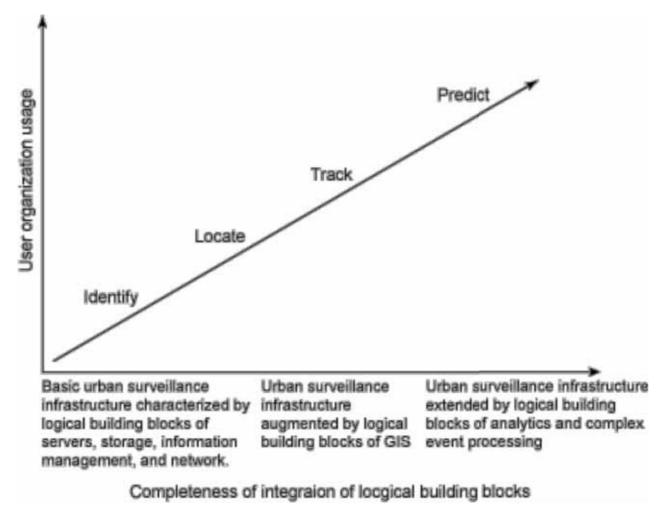
and get alerts when your teen is outside it after curfew





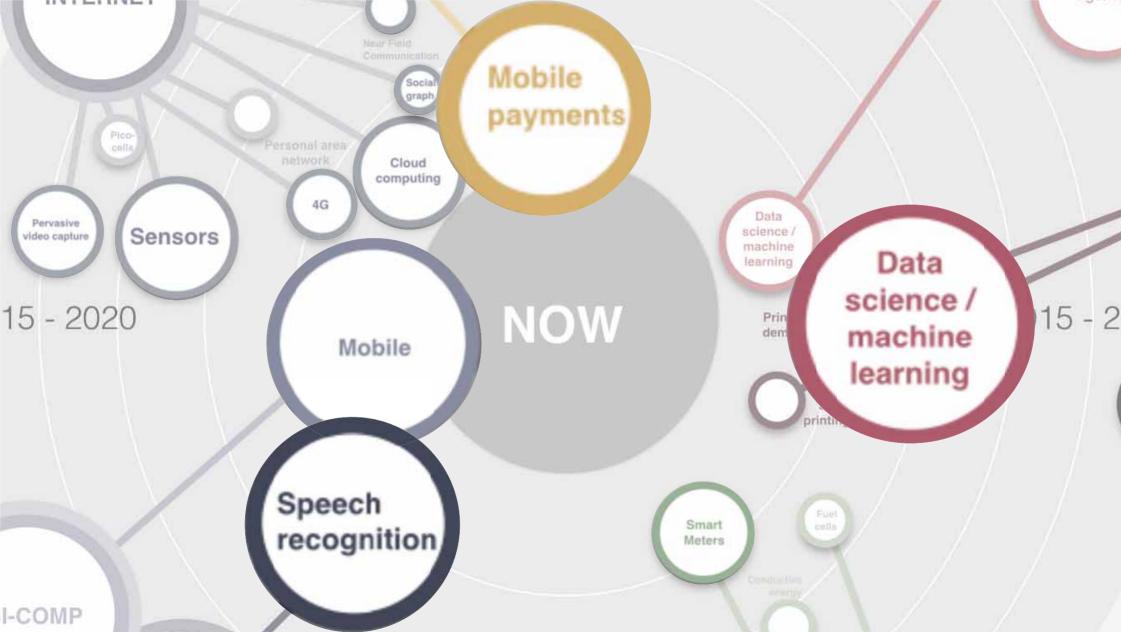


IBM's Urban surveillance infrastructure maturity model





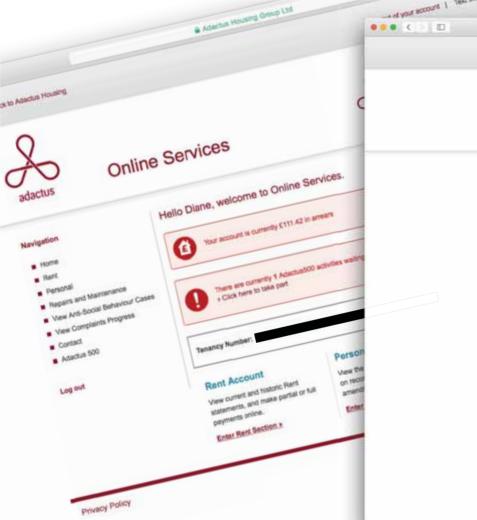




Checkout amazon with







Online Services

25.

** Back to Adactus Housing

Navigation

· Home

· Rent

· Personal

· Contact

Log out

Adactus 500

· Repairs and Maintenance

View Complaints Progress

. View Anti-Social Behaviour Cases





C



Log out of your account | Text Size: a 8 8



6 0 0

Rent Summary

This is your sent summary.



Your current Statement Balance is: £111,42 in arrears

Adaptus Housing Group Ltd.



CSSR here for oustomer advice on tenency agreements.

Swect a date range:









@Please Note: Housing Benefit Payments may not appear on your statement immediately.

Recent Activity (most recent transactions are shown first)

Date	Description	Payments	Charges	Beisnoe	CN
23 Feb 2015	Rant Debit		100.00	£181.42	A
16 Feb 2015	Rent Debit		205.05	644.76	٨
09 Feb 2015	Rent Debit		100.00	621.00	C
02 Feb 2015	Rent Debit		196.66	188.56	Ç
26 Jan 2015	Hant payment - Direct debit	£288.86		£155.22	G
26 Jan 2015	Rent Debit		000.00	6133.64	A
19 Jan 2015	Hant Debit		006.00	100.00	à.
12 Jan 2015	Hert Debit		206.65	60.32	A
05 Jan 2015	Rent Debit		£96.06	D00.34	C
29 Dec 2014	Rent payment - Direct debit	£298.86		£133.00	0

Request a contact to discuss rent arrears >>

"C means that your account is in small! Wiresens flui year association or arrests.

Weekly rented tenancies

Phase note the rest due for your property is posted onto your Plant Account each Wednesday. Therefore, if you are viewing a stamment on Monday. Tuesday or Wednesday it will not include the sent due for the current week.



Apple's Siri



Google Now



Microsoft's Cortana



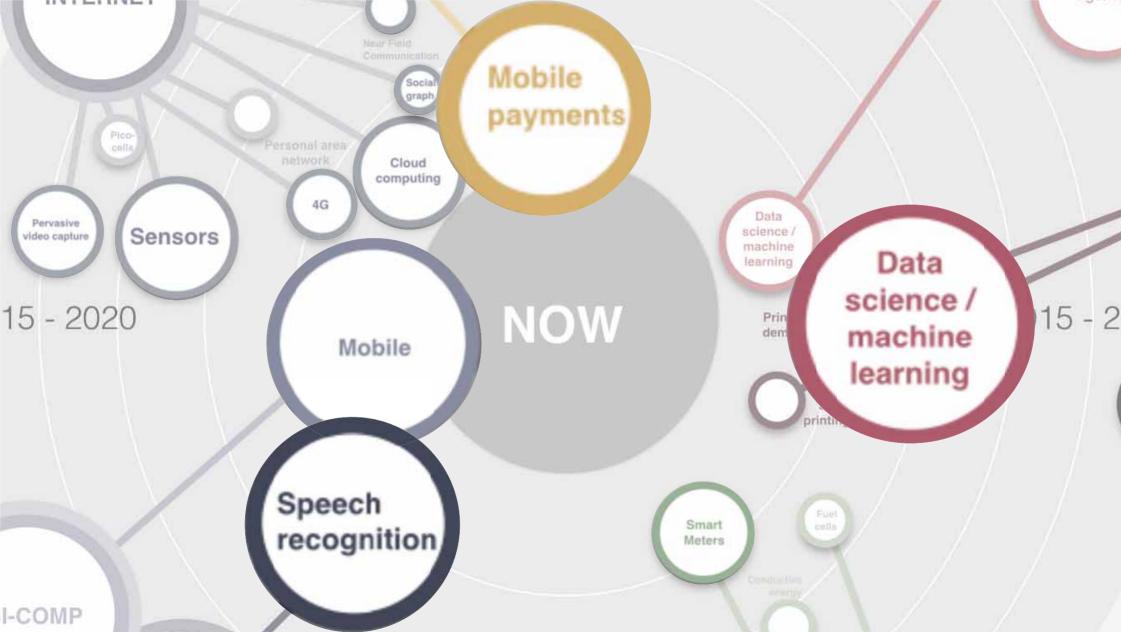






relectricity north west

Bringing energy to your door





Platform



Platform





Social

Platform



























Mobile

Platform



















Mobile





Analytics

Platform



















Mobile





Analytics



Cloud

Themes



Themes





Surveillance / 'coveillance'

Themes













Surveillance / 'coveillance'

Customisation / segmentation

Themes









Customisation / segmentation



Automation / 'friction-free' services

Themes

















Data-led decisions





Surveillance / 'coveillance'

Low cost cameras

Smart Homes

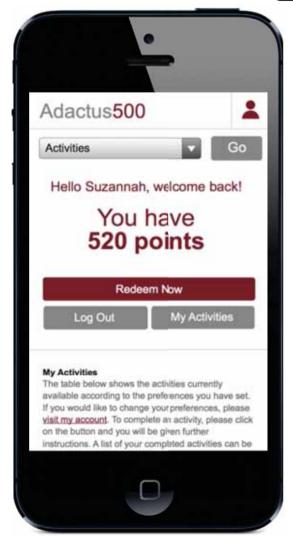
Staff as sensors

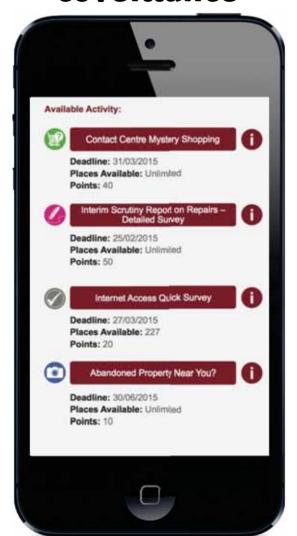
Tenants as sensors

Tenant health data



Surveillance / 'coveillance'

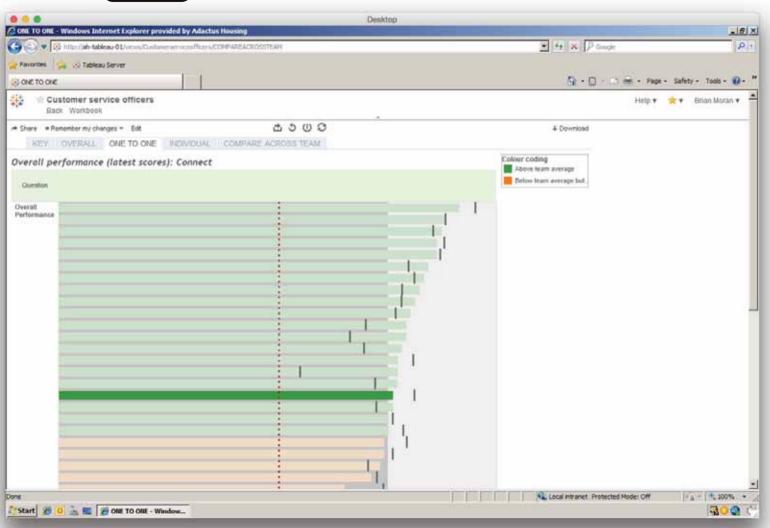






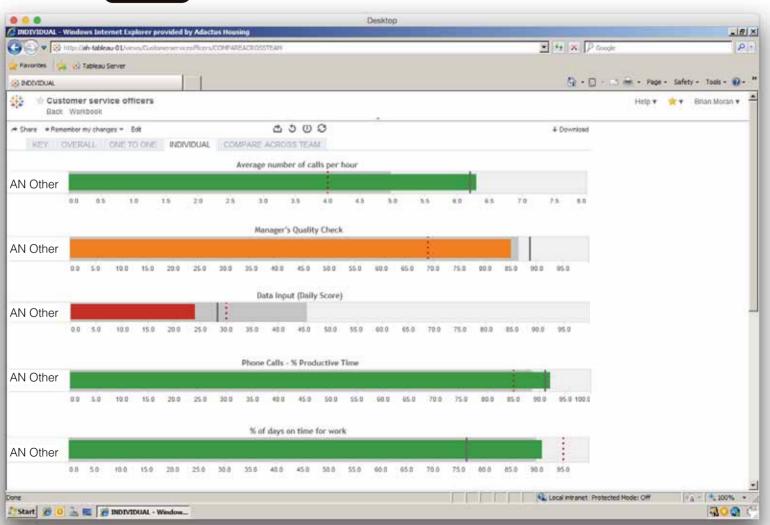


Surveillance / 'coveillance'





Surveillance / 'coveillance'







Customised and targeted tenant information

Early warning of failing tenancies

Tiered services

Tiered pricing?



TENANCY BALANCE

REPAIRS SPEND

RECHARGEABLE REPAIRS

ASB CASES / LEGAL ACTION

COMPLAINTS

GAS NO ACCESS

CRM CONTACTS

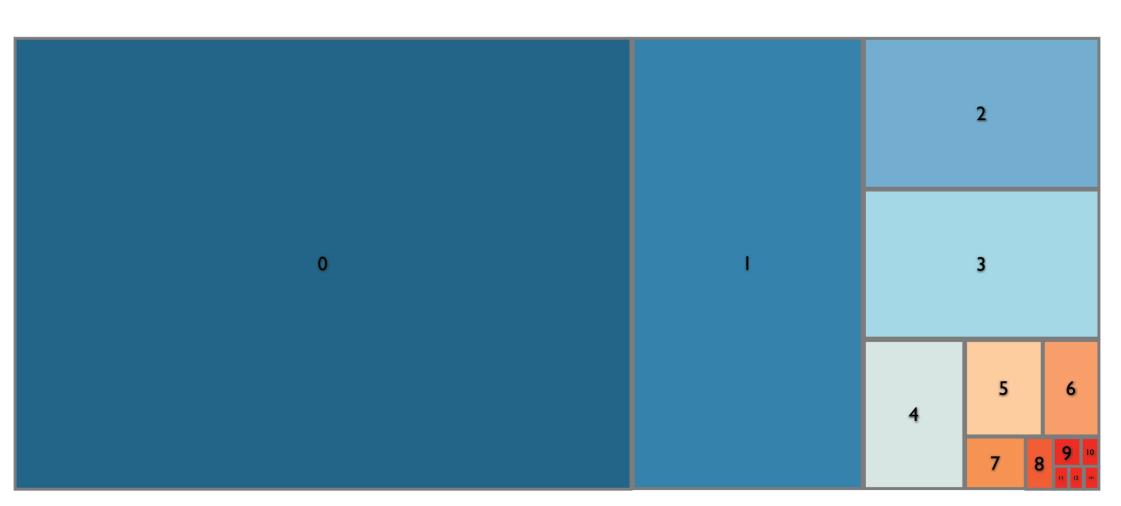


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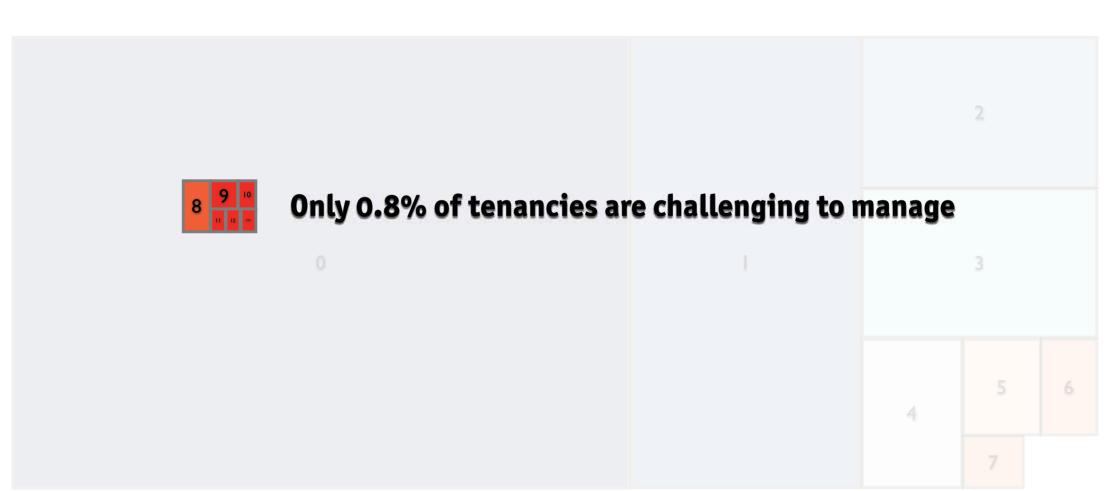


ASERCE

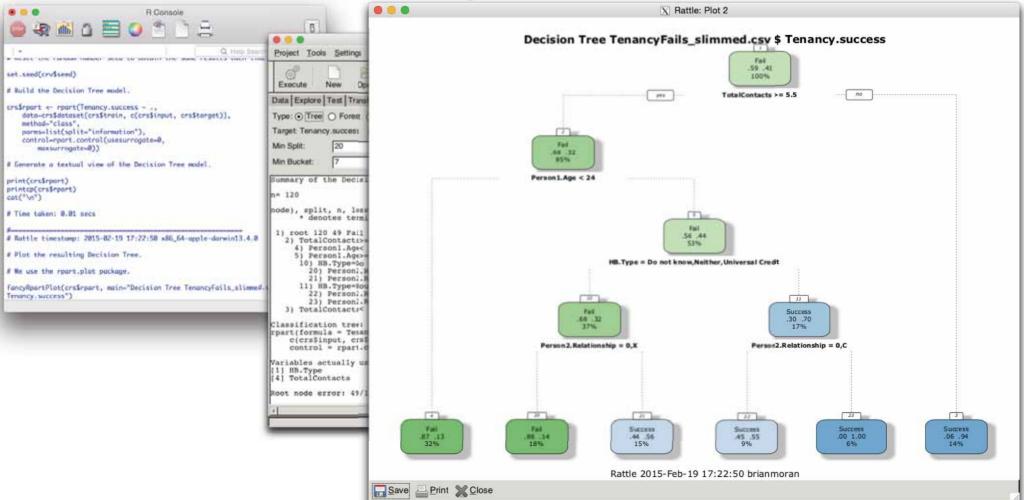














CAPITA







Automation / 'friction-free' services

Real self-service

Mobile and IVR as main channels

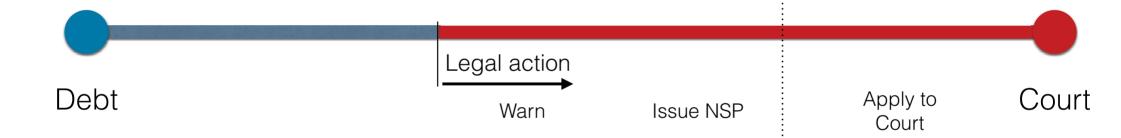
Human-free housing management processes



Automation / 'friction-free' services

Machine

Identify Inform Chase











Automation / 'friction-free' services





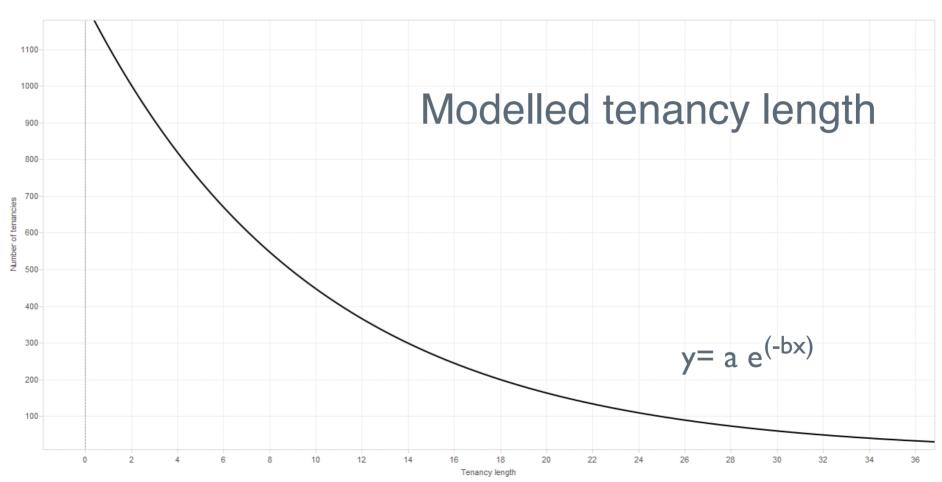


Knowledge and insight

Randomised trials

Challenging long-established practices

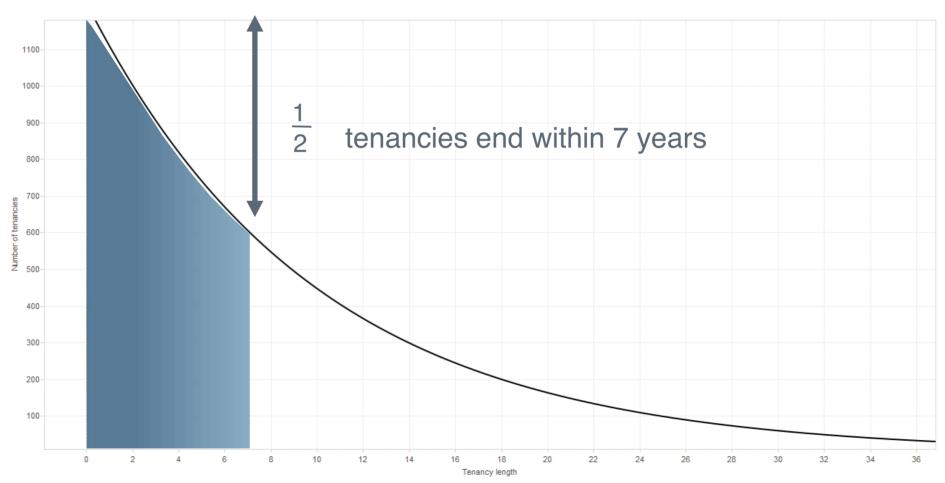




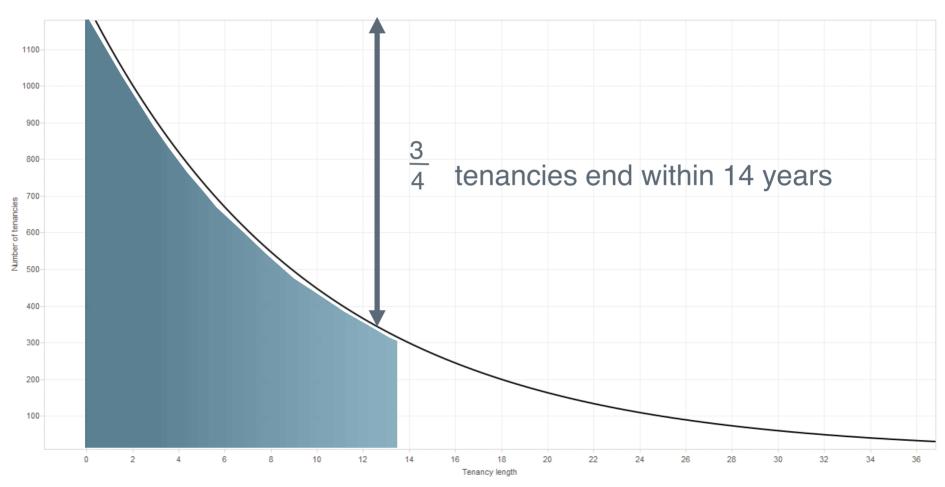






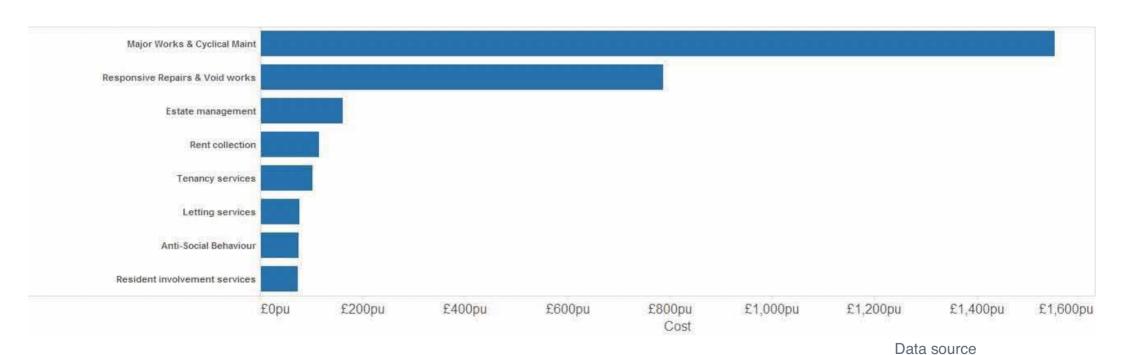




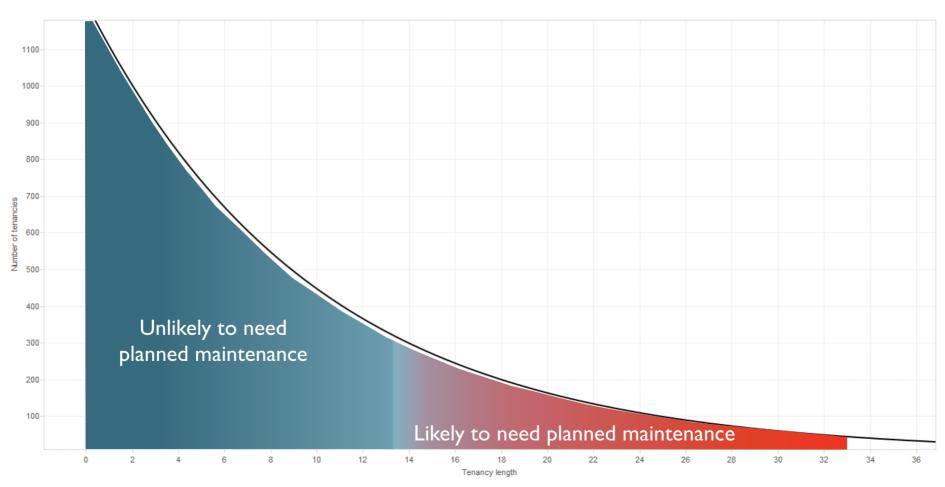




2012/13 regional data, Housemark















Housing 2.0

Principles



Vision and leadership to question old ways of working

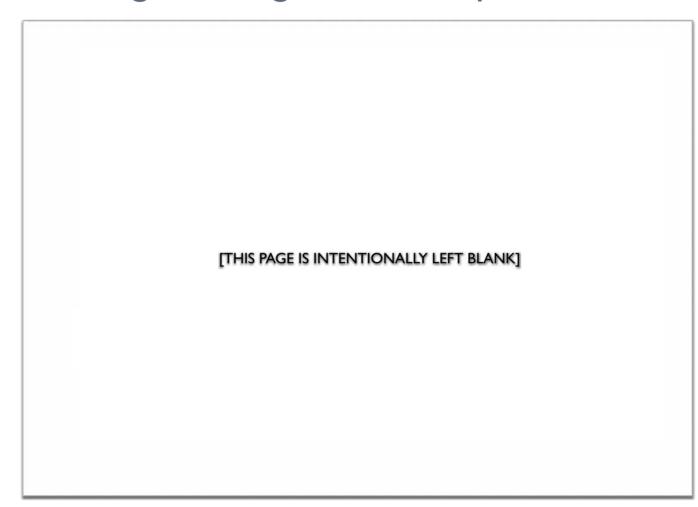
Fully embrace the opportunities from <u>existing</u> technology

Keep future technology paths open and under review

Old habits die hard

Housing Management Department (2008) NORTH AREA OFFICE AS AT DECEMBER 2008 FROUP LTD - HOUSING MANAGEMENT STRUCTURE AS AT DE ADACTUS HA STRUCTURE SOUTH REGIONAL OFFICE AS AT **GROUP DIRECTOR OF** HOUSING MANAGEMENT **OPERATIONS** CHORLEY COMMUNITY HOUSING STRUCTURE Regional Director of Operations REGIONAL MANAGER Neighbourhood Regional Manager Neighbourhood Development Officer Services Manager REPAIR Resident Inv Officer SERVIC MANAC 3 x Handypersons Interim Senior 1. Sus Tenent Neighbourhood Graduate Trainees **GBOs** Breathe+ NBM Neighbourhood Office Support Officers Services Manager 3.5 staff MAINTENANCE INSPECTOR ABB Team 6 x Neighbourhood Officers Sheltered Housing interim Senior Income Officer Officer Acting Benior ABB Neighbourhood MAINTENANCE Officer 1 ASS Officer Relocation Officer VOIDS TEAM INSPECTOR 5 x Interim Income managers Officers 1.5 8106

Housing Management Department (2010)



Housing Management Department

We're all housing managers now

Housing 2.0



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