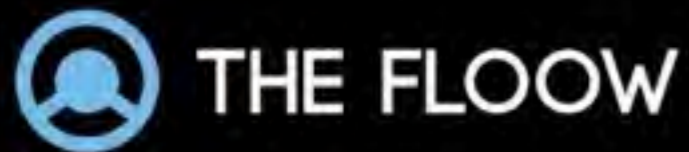


On The Road To The Mass Market



Aldo Monteforte
Founder and CEO

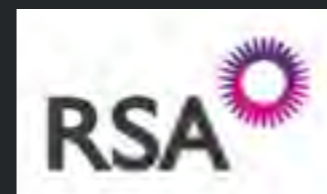
Luxembourg, 27th May 2015



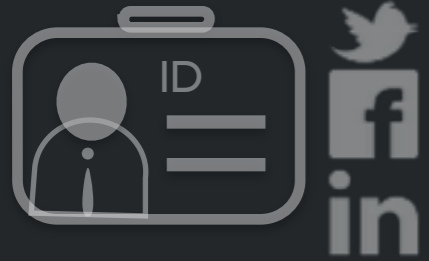
- Independent, UK-based technology company
- Founded and majority owned by management team
- SaaS Revenue model, Actual CAGR +100%, organically self-sufficient
- ca 50 professionals (>70% technical, PhDs in CS, Math, Physics, Psychology)
- 100% Telematic device neutral



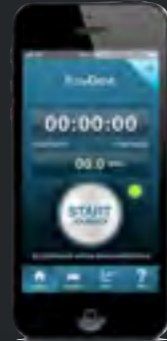
- Selected by industry leaders to provide telematics services



Making sense of telematics data



Personal, Insurance, Social data, any format

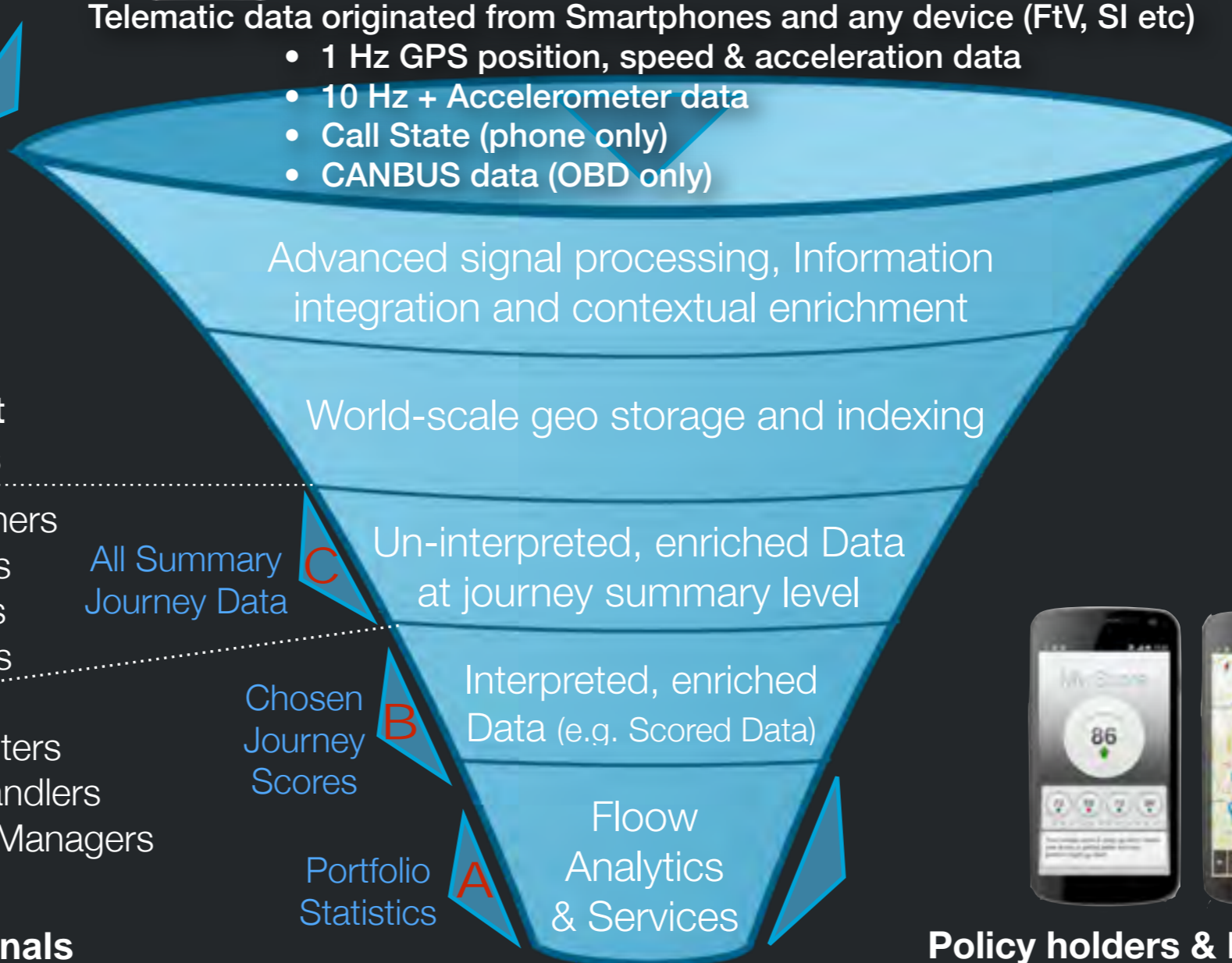


Telematic data originated from Smartphones and any device (FtV, SI etc)

- 1 Hz GPS position, speed & acceleration data
- 10 Hz + Accelerometer data
- Call State (phone only)
- CANBUS data (OBD only)



Environmental, contextual, any format



Delivery Formats

- Tabular data
- Document based
- Web based
- Web services
- SQL

Target Users

- Researchers
- Scientists
- Actuaries
- Modellers
- Underwriters
- Claim Handlers
- Product Managers
- CXOs

Insurance Professionals

Policy holders & Family members



Why is this important?



Huge Societal Problem

Over 30,000 people die on the roads of the European Union in one year...equivalent to 82 people every day*

For every death:

- 4 permanently disabling injuries
- 8 serious injuries
- 50 minor injuries

* 2011 data from EU Commission website: http://ec.europa.eu/transport/road_safety/index_en.htm

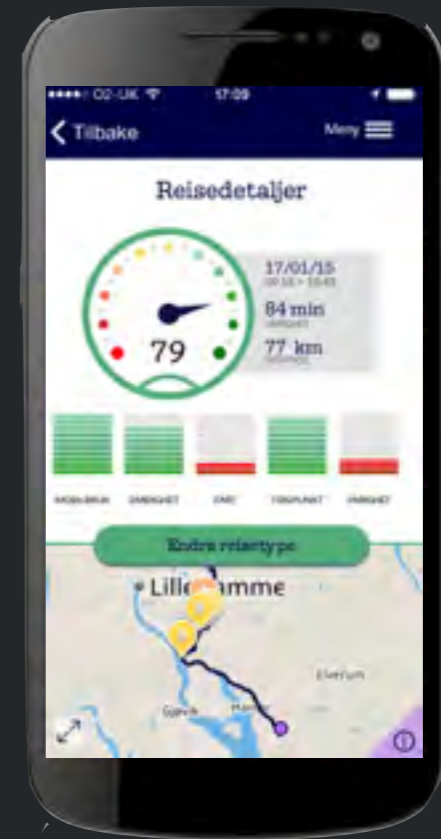


The key question

How to bring telematics to the mass market profitably?

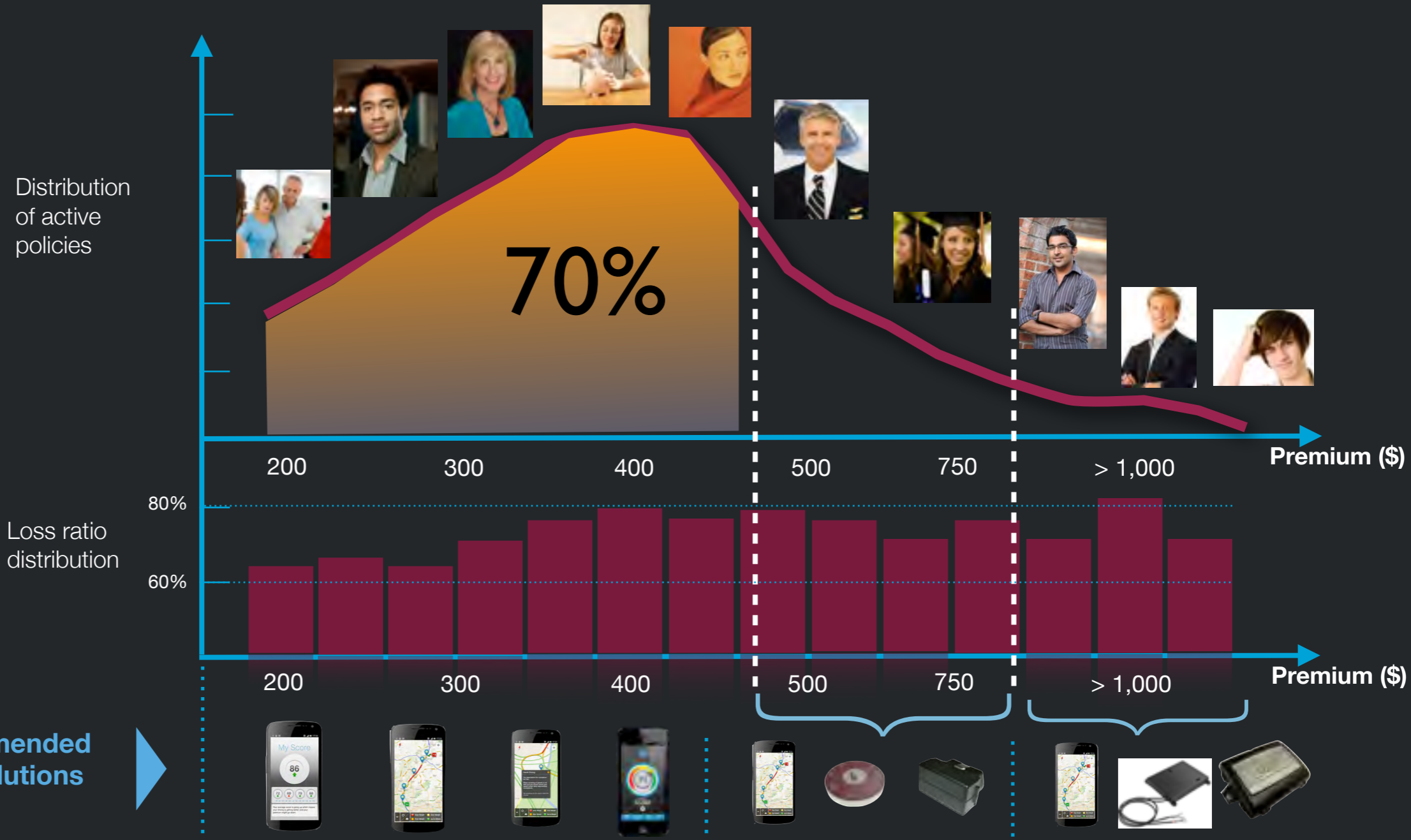
Our Answer

1. Cost effective
2. Insightful and predictive
3. Engaging customers



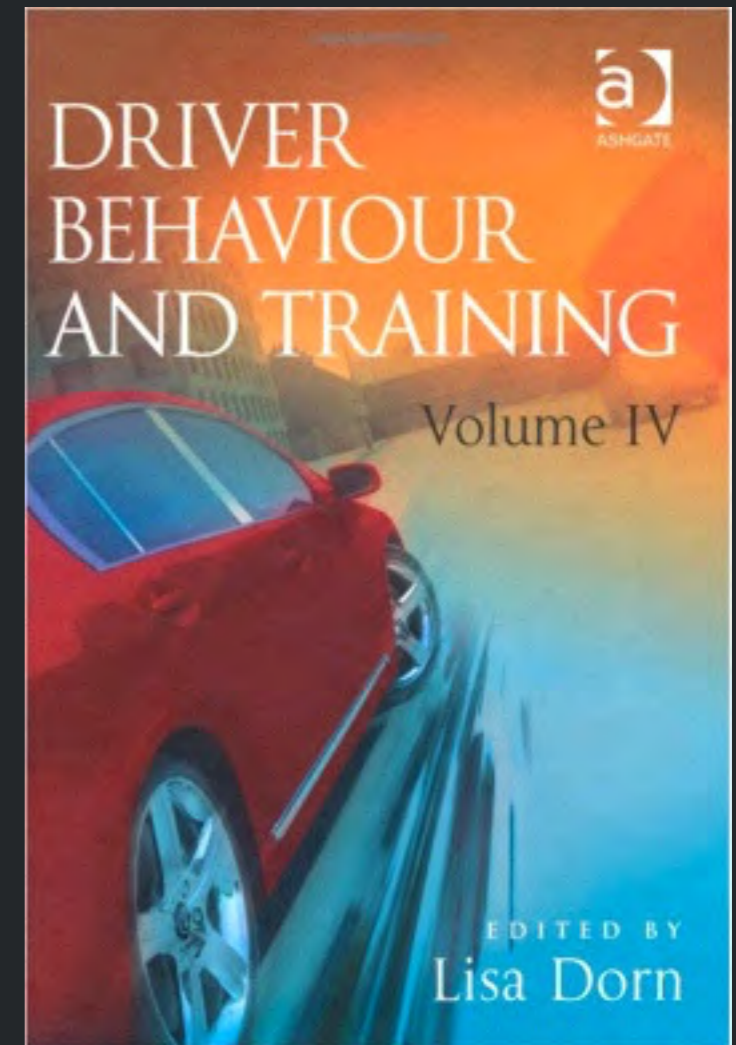
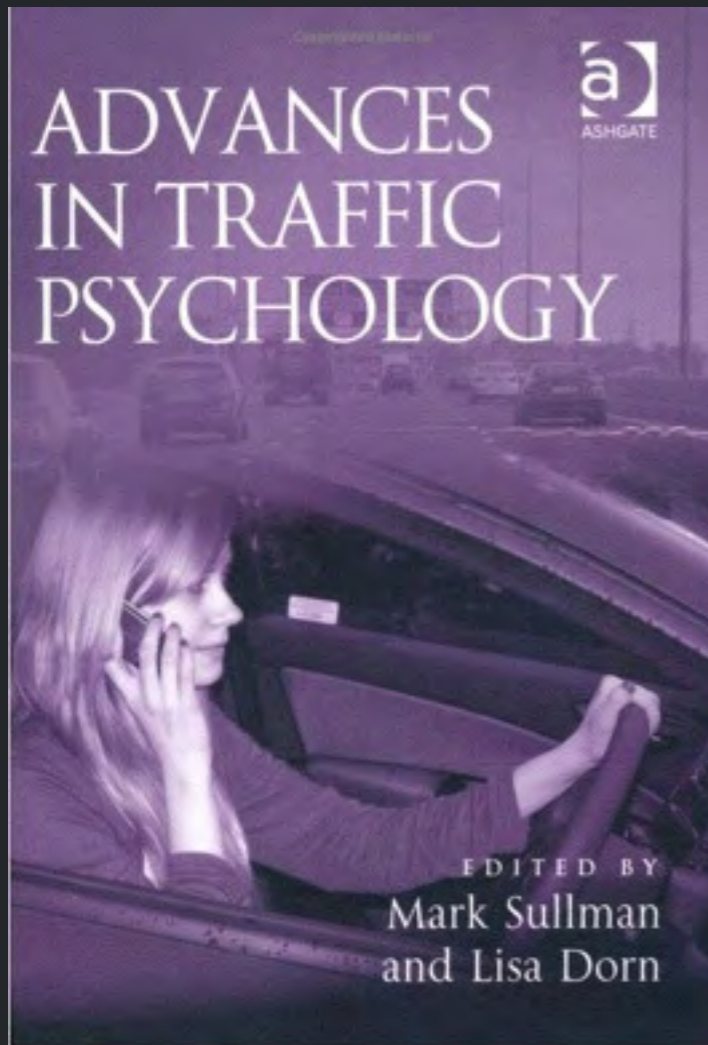
Devices: a logical selection framework

- Situation of a hypothetical Motor Insurer
- 70%+ of book in “smartphone-only” territory



Basis of Scoring

Initially grounded in pure science and academic evidence



Multiple Driving Style Scores available

Choice of a measure of risk based on 'events' or the academic measure of smooth driving measuring the average level of g-force acceleration and deceleration exerted on a vehicle during its entire journey

Smooth Driving

Choice of a measure of risk based on absolute speed, difference to speed limits or difference to speed of other road users

Speed

This is composed of two elements: Physical Interaction (how much the phone is moved about and 'used' during the journey); and Call State (how much of the journey the phone is used to make or receive calls for)

Distraction

Choice of measures of risk based on Time-of-Day (reflecting the risk of an accident from Road Traffic Statistics for the time the journey took place); and Time-on-Task (reflecting the increasing risk of fatigue on longer journeys)

Time

All combined into a unique score for each client based on detailed discussions with them on their needs and customer base.

The Environment is key to Contextual Scores



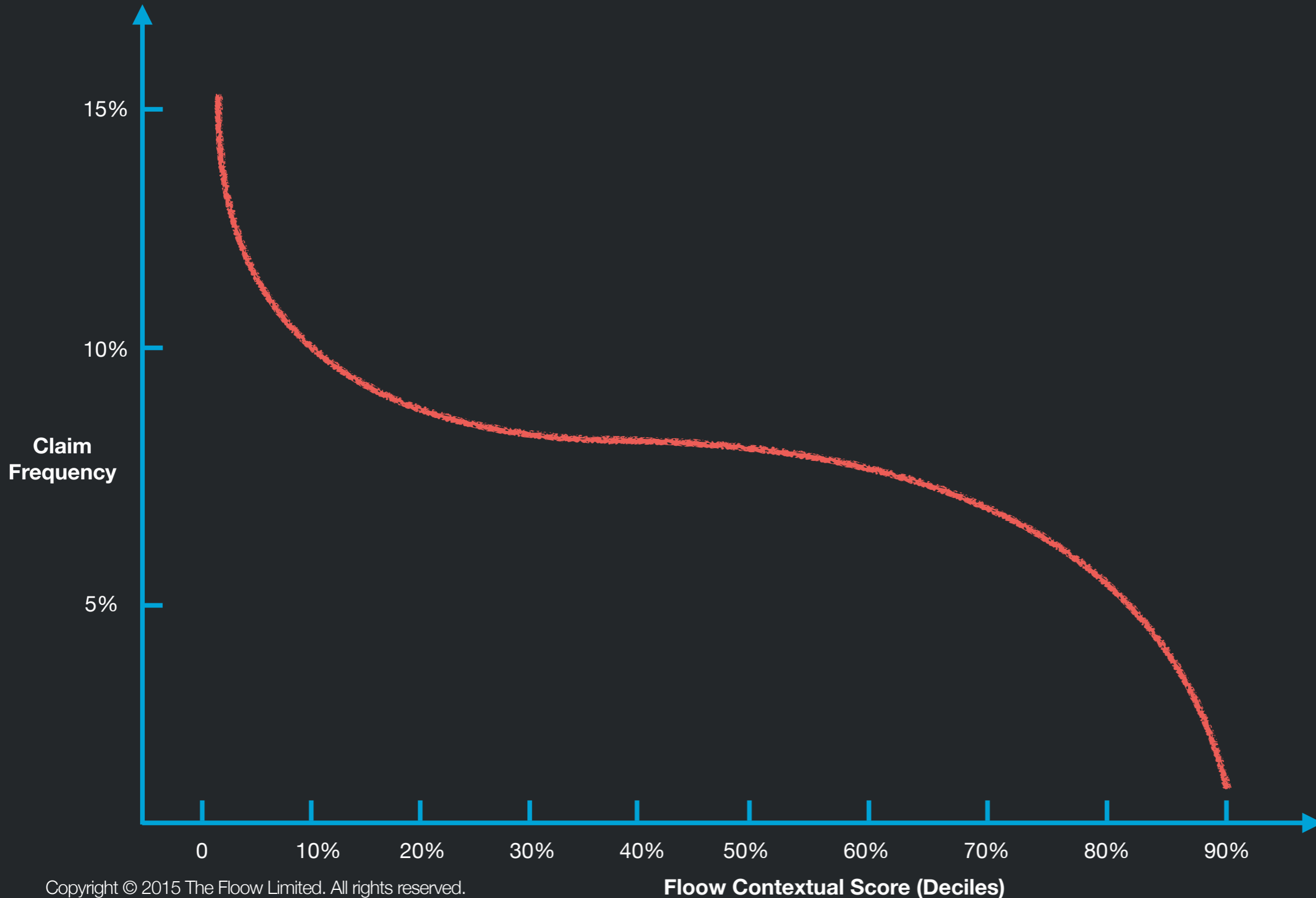
Geocoded data is used to understand location risk



Low	Junction Density	Extreme
Medium	Road Complexity	Extreme
Low	Pedestrianisation	High
Low	Public Transport stops	High
Very Low	General Road Speed	High
0	Stats 9 crashes	10

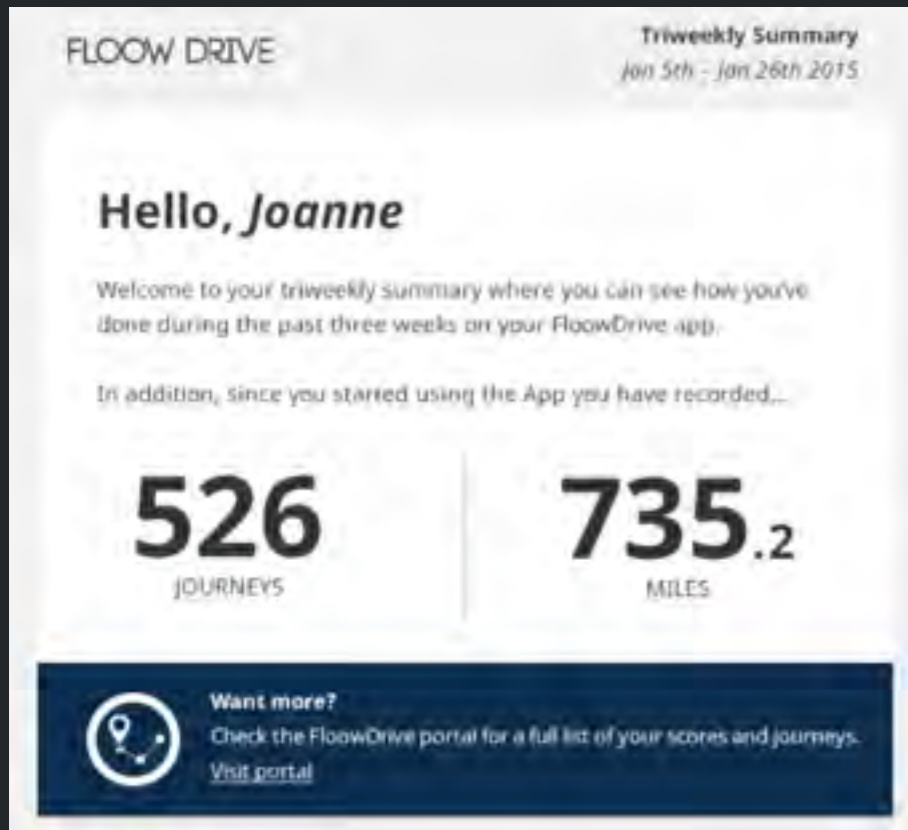


Regressing against claims: The Flow Curve



Tailored Educational Feedback

- Feedback can be given in
 - immediately after the journey has been completed
 - via a periodic e-mail
- Contextual scores enables more understandable, accurate and tailored feedback both overall and against peers



FLOW DRIVE Triweekly Summary
Jan 5th - Jan 26th 2015

Hello, Joanne

Welcome to your triweekly summary where you can see how you've done during the past three weeks on your FlowDrive app.

In addition, since you started using the App you have recorded...

526

JOURNEYS

735.2

MILES

[Want more?](#)
Check the FlowDrive portal for a full list of your scores and journeys.
[Visit portal](#)



Peer comparison
Comparing your score to that of other FlowDrive users.

YOU 81

PEOPLE YOUR AGE (25) 80

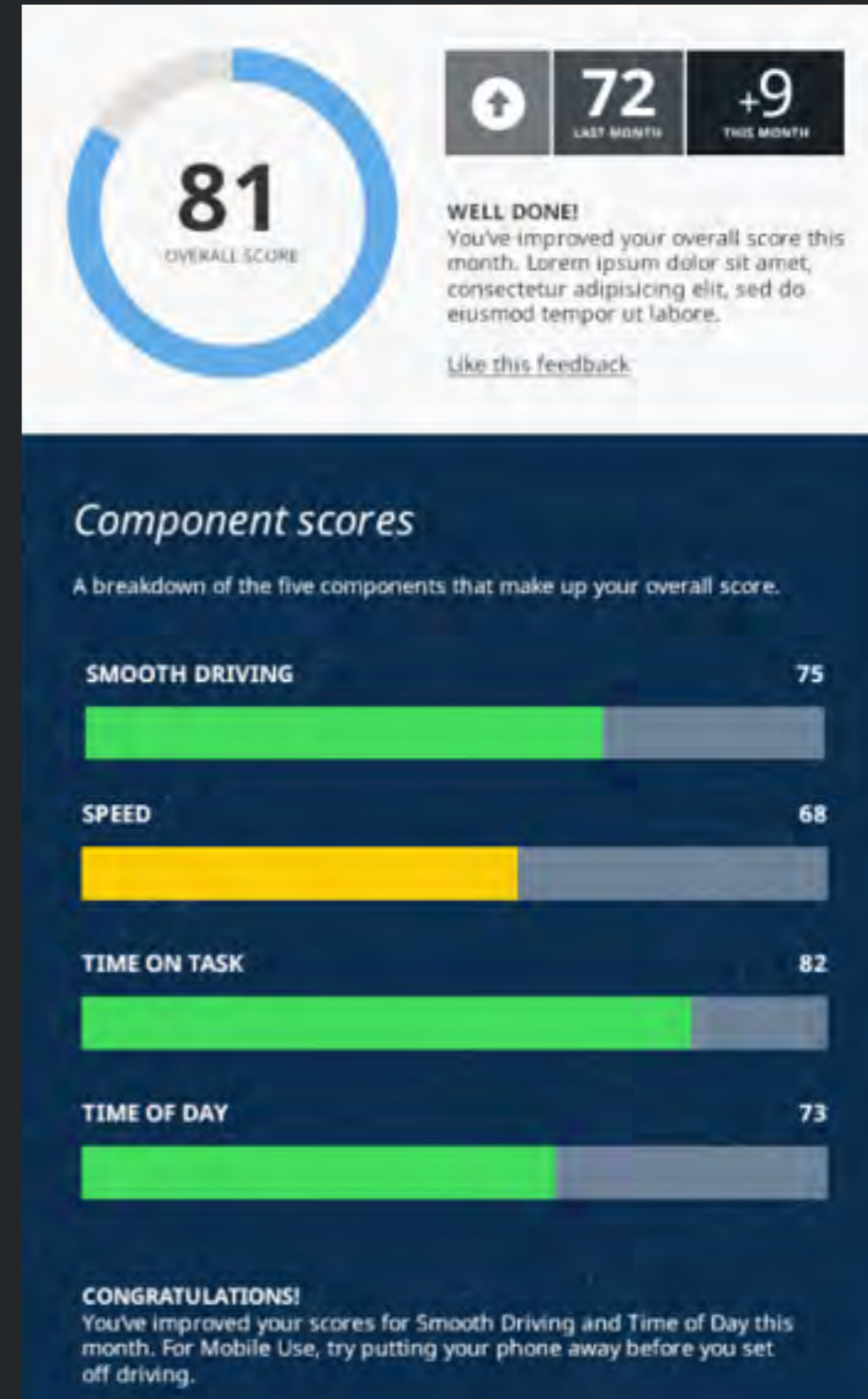
CONGRATULATIONS!
On average, people your age have an overall score of 80. You're in the top 15% of this group!


YOU 81

PEOPLE WITH THE SAME CAR TYPE (TOYOTA AVGO) 85

WELL DONE!
You're on par with others who drive the same vehicle as you. To get ahead of the game, lorem ipsum dolor sit amet, consectetur elit veniam.

[Like this feedback](#)





81
OVERALL SCORE

72
LAST MONTH

+9
THIS MONTH

WELL DONE!
You've improved your overall score this month. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor ut labore.

[Like this feedback](#)

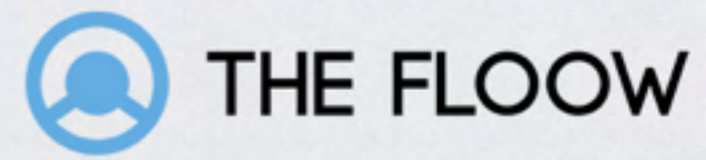
Component scores

A breakdown of the five components that make up your overall score.

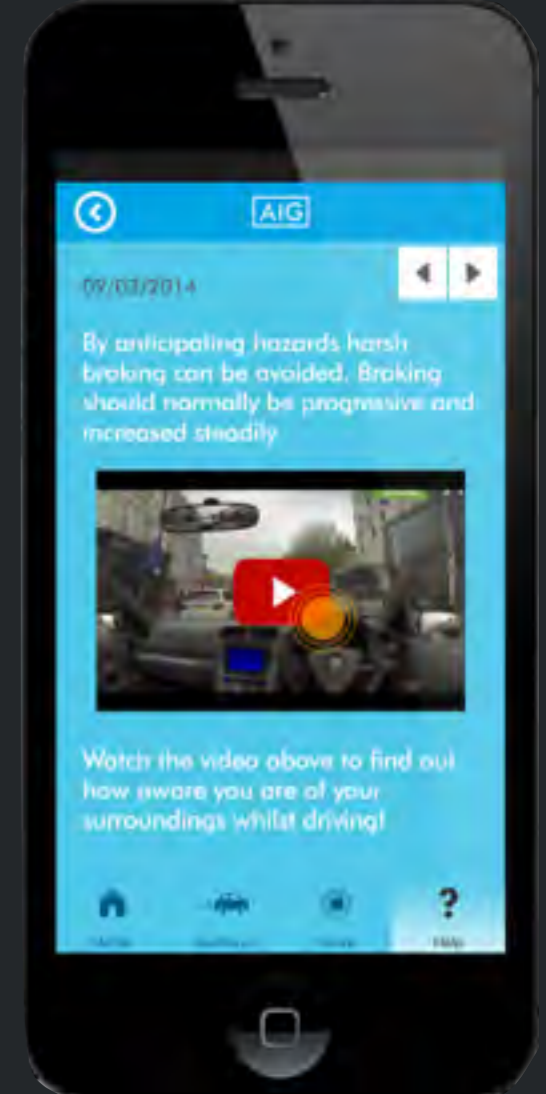
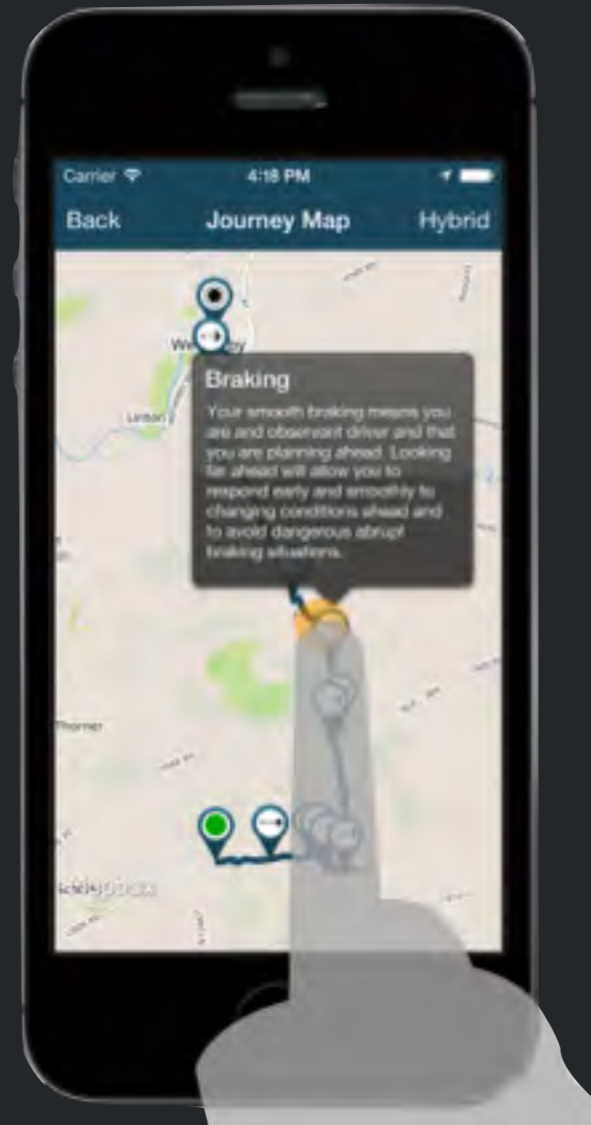
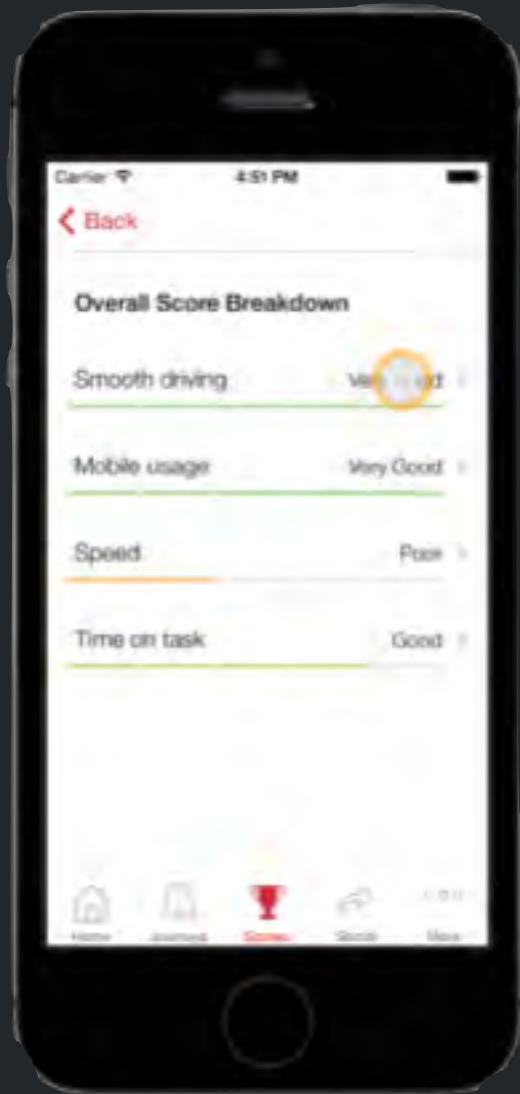
SMOOTH DRIVING	75
SPEED	68
TIME ON TASK	82
TIME OF DAY	73

CONGRATULATIONS!
You've improved your scores for Smooth Driving and Time of Day this month. For Mobile Use, try putting your phone away before you set off driving.

FLOW DRIVE



Value Add 1 : Driver Education



Score Feedback

- RAG status for journey elements
- Commentary on Scores

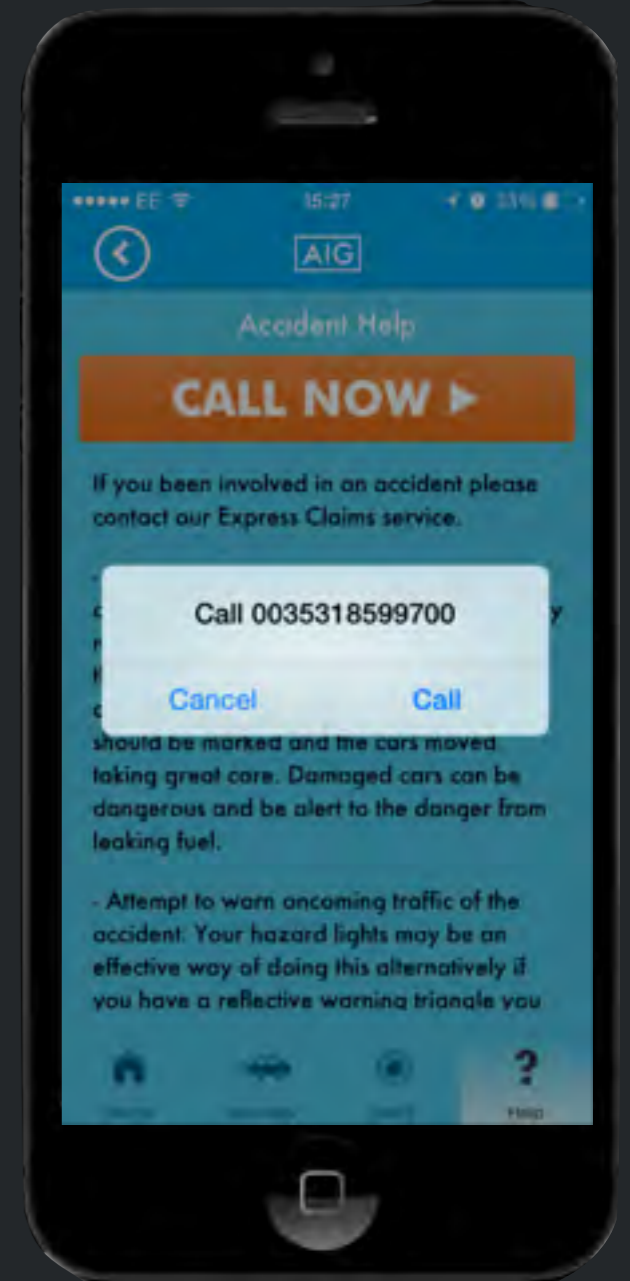
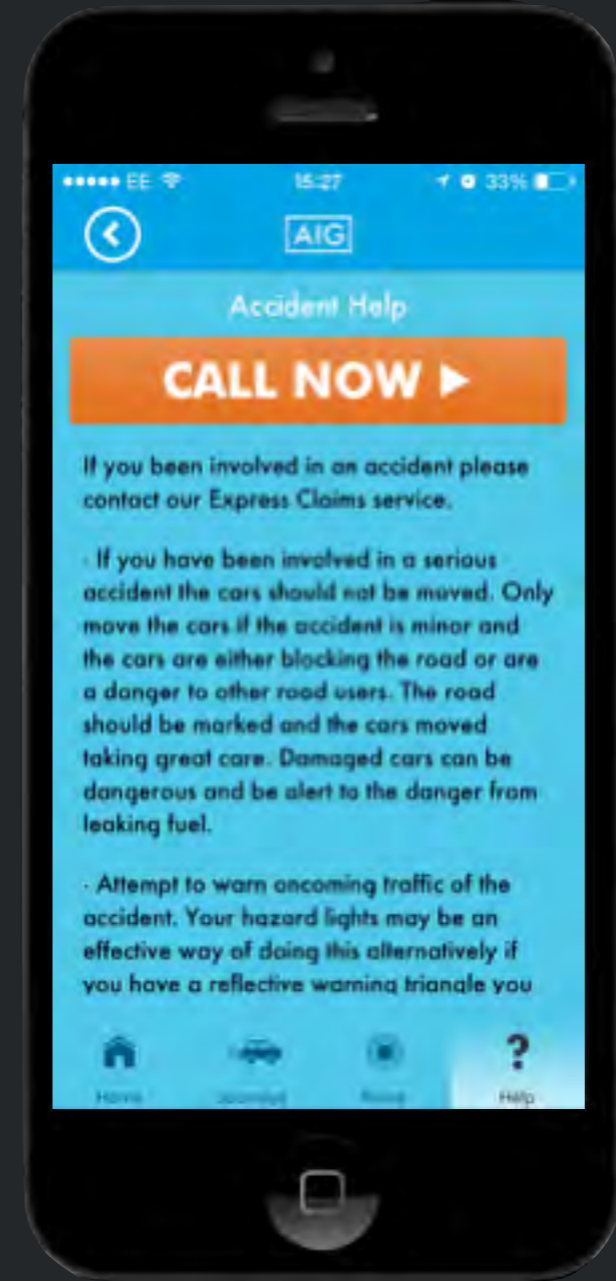
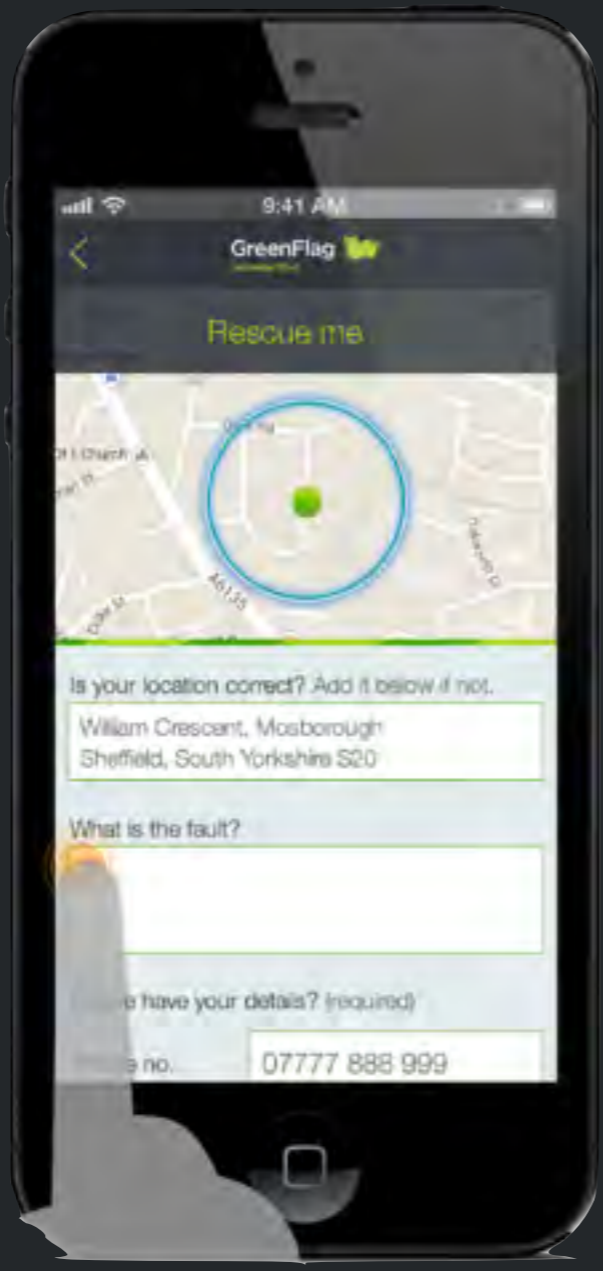
Event Feedback

- Pins in maps showing event location
- Commentary on each pin

Video Tests

- Watch video and answer questions

Value Add 2 : Emergency Services



Breakdown

Accident

Value Add 3 : Safety & Security

Stolen Vehicle Recovery



- Auto theft has gone up for the first time in 20 years in the UK*
- Recovery rate for top end is 35%*
- OBD port being used to steal vehicles (key replacement) in 50% of cases
- It is very expensive to recondition vehicles after SW has been compromised
- SVR requires professionally fitted box and connection with SOC for event management

Source: Thatcham

Safe Parking



- Vandalism & theft information for safer parking



Low Risk



High Risk

Value Add 4 : Gamification



Club Structure

- earn 'tier' points for good driving
- redeem point for goods/services



Win Badges

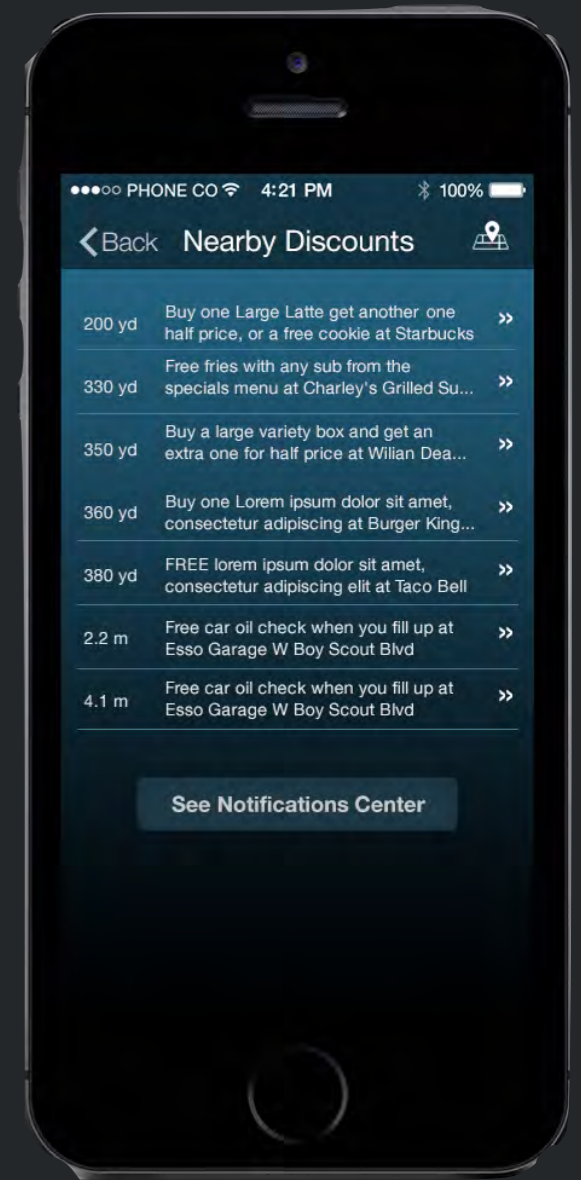
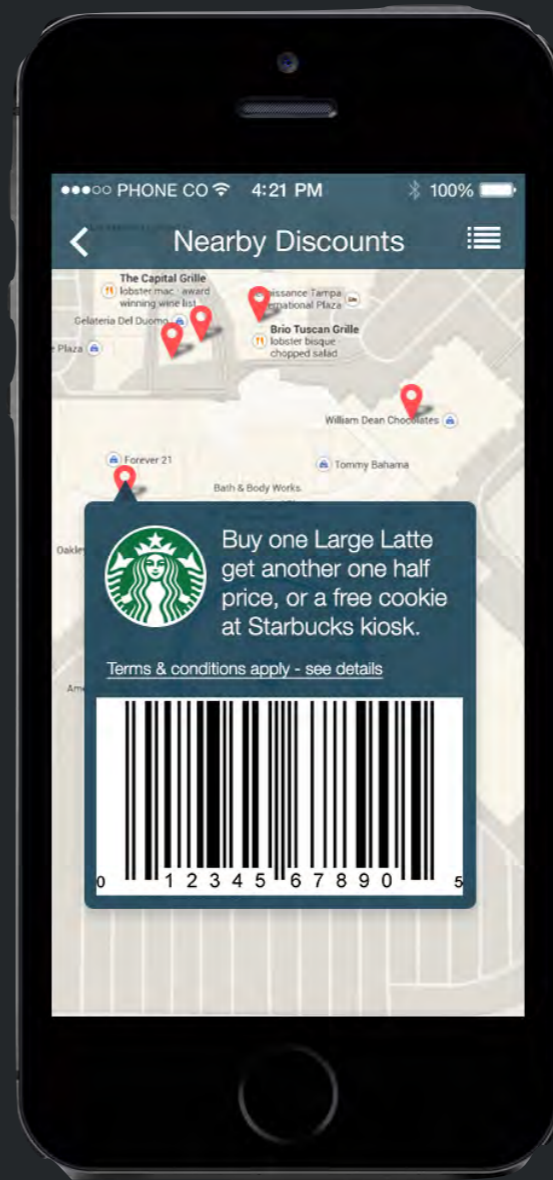
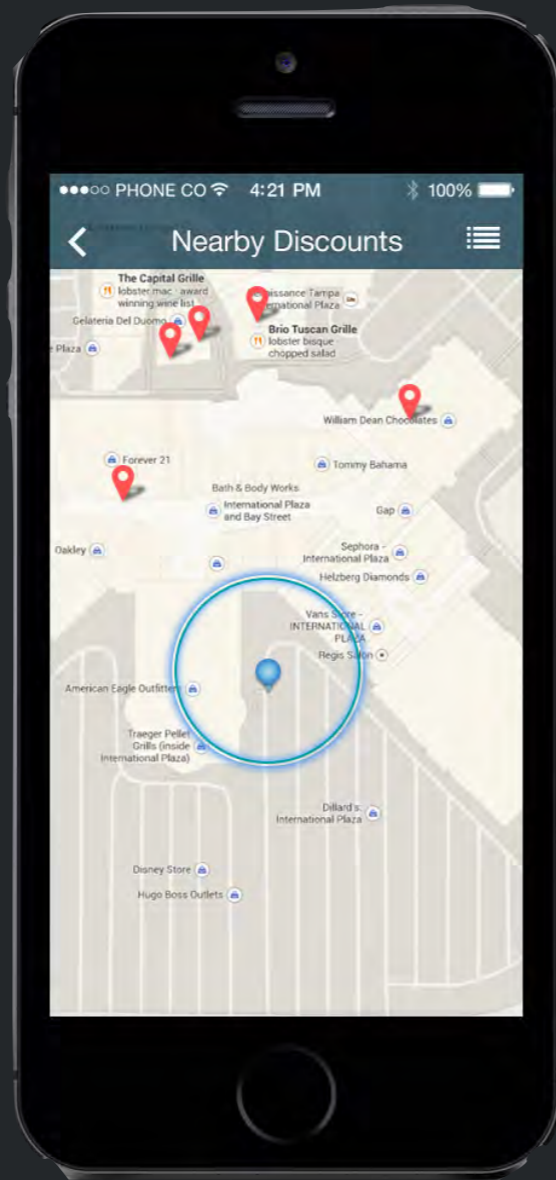
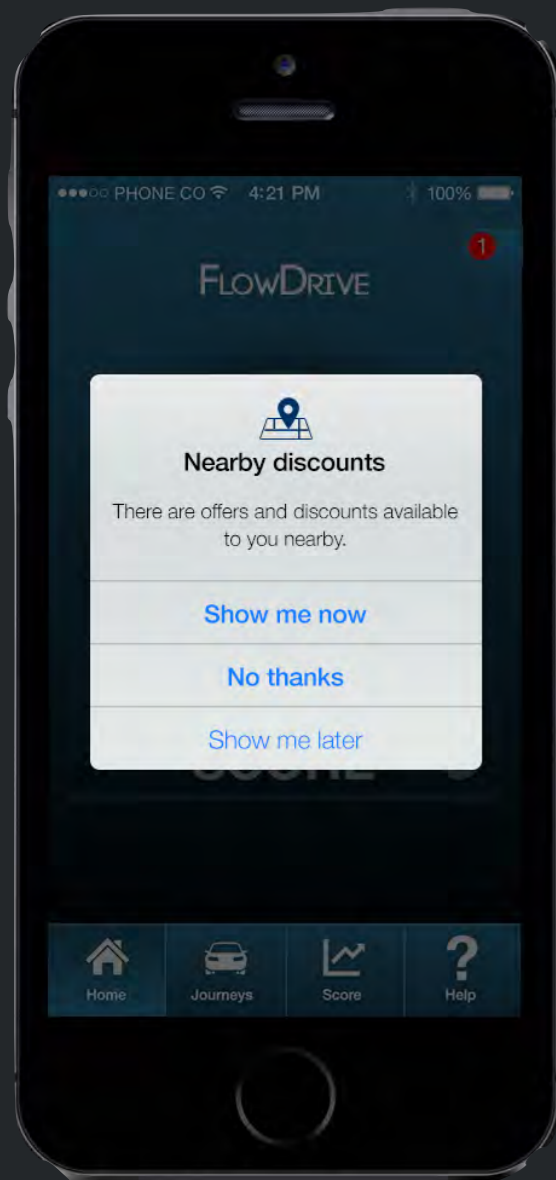
- for good driving
- for meeting set criteria



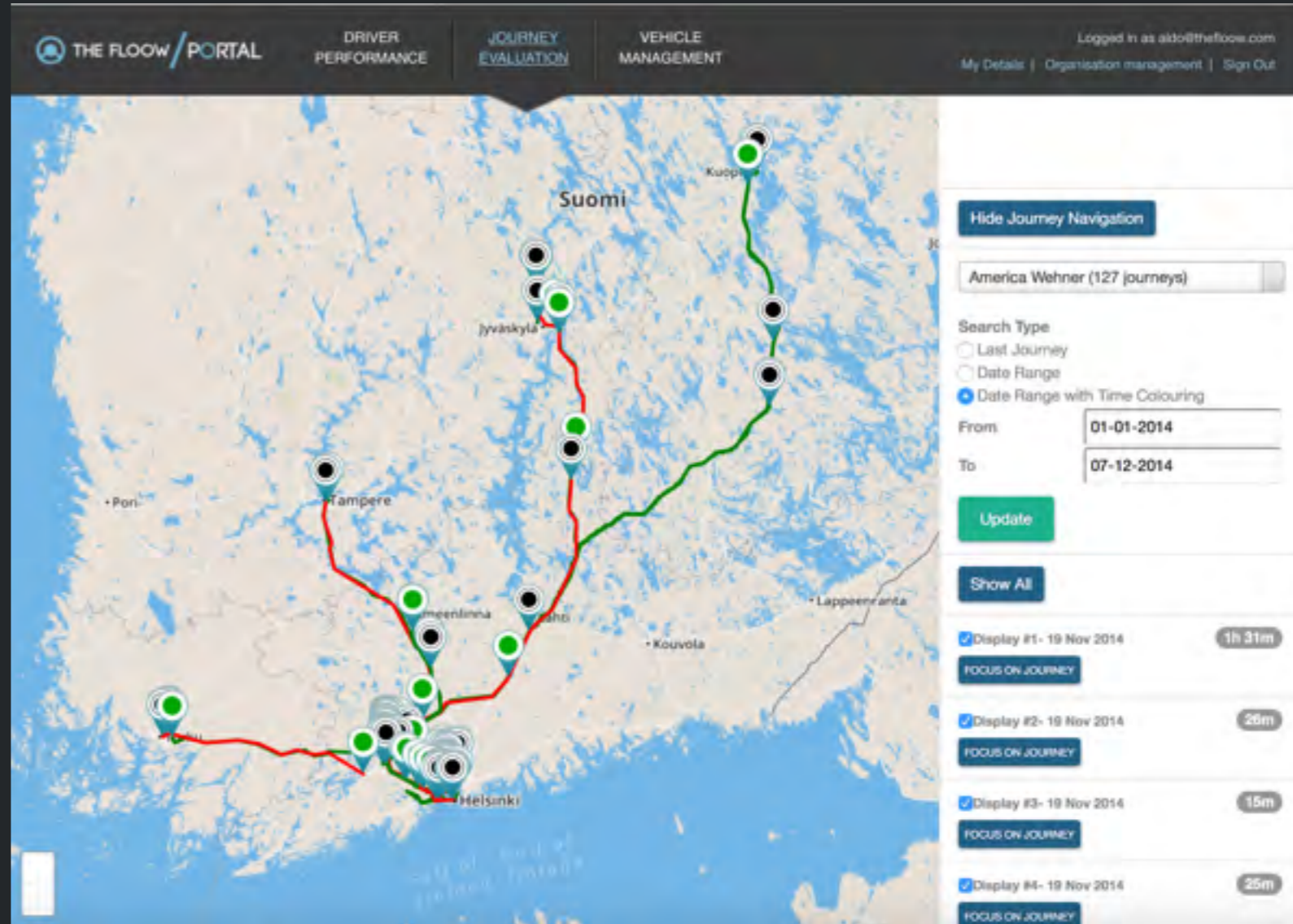
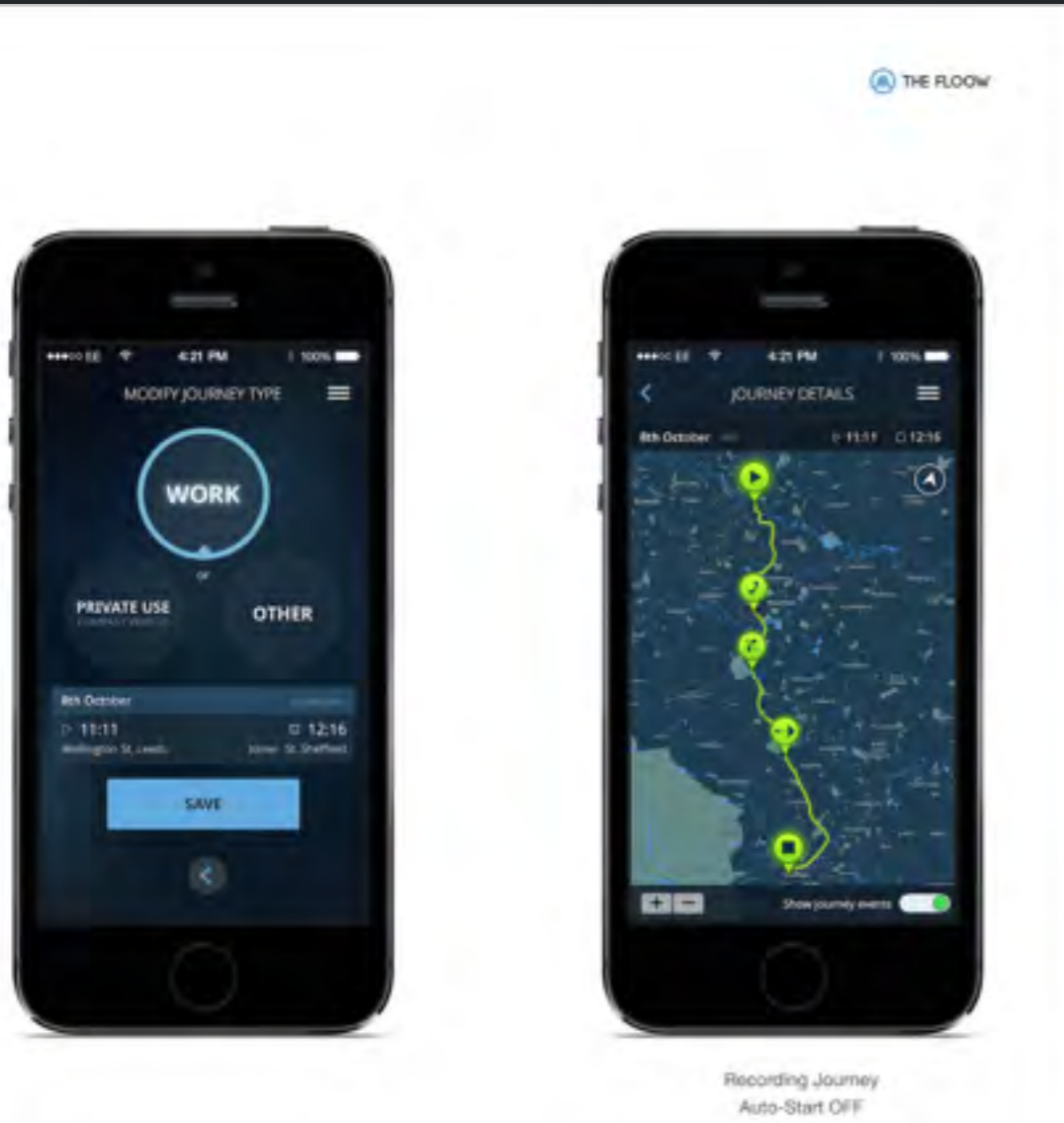
Share Scores

- with friends
- on Facebook

Value Add 5 : Location Based Services



Value Add 6 : Fleet Management



App based feedback
for drivers

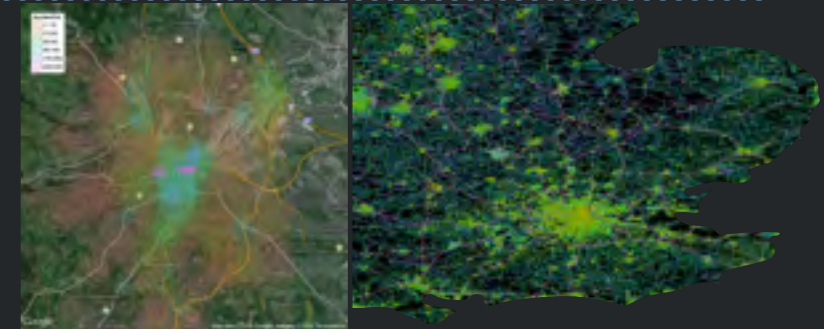
Fleet Management
Tools

Conclusions

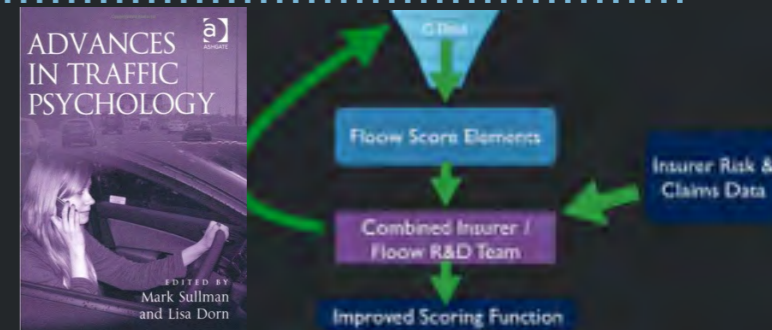
- **Device agnostic telematic platform generating consistent and predictive scores regardless of source**



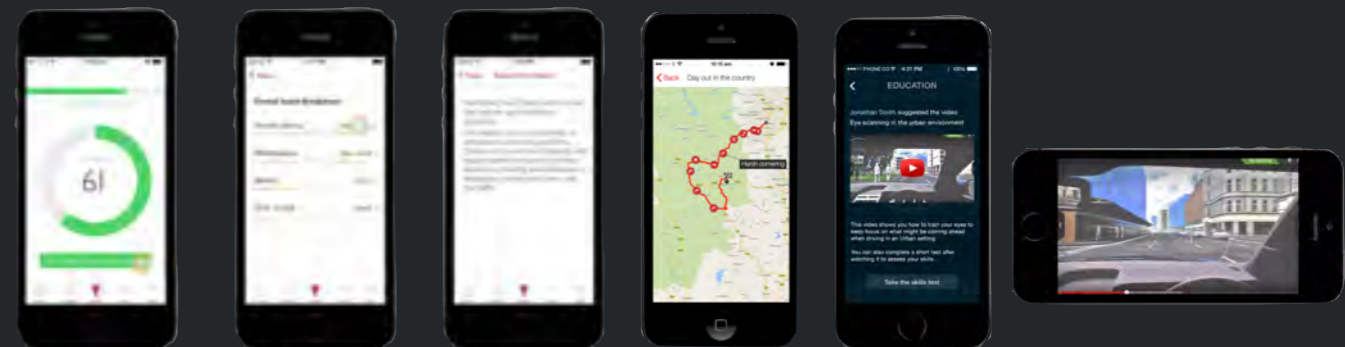
- **Contextual data enrichment reflecting complexity of road infrastructure and environment**



- **Scientific rigour coupled with parameterisation by client actuaries and underwriters to produce unique tailored scores**



- **Multi-level feedback to users including location based services**



FLOOW DRIVE



Thank you



Aldo Monteforte
aldo@theflow.com