CivTech®

Driving daring and innovation in the public sector

Alexander Holt

Founder of the CivTech® Programme, Scottish Government

Scottish Government
Riaghaltas na h-Alba
gov.scot

@CivTechScotland

SPECS THAT TAKE
1 YEAR TO WRITE
6 MTHS TO PROCURE
12+ MTHS TO ROLL OUT

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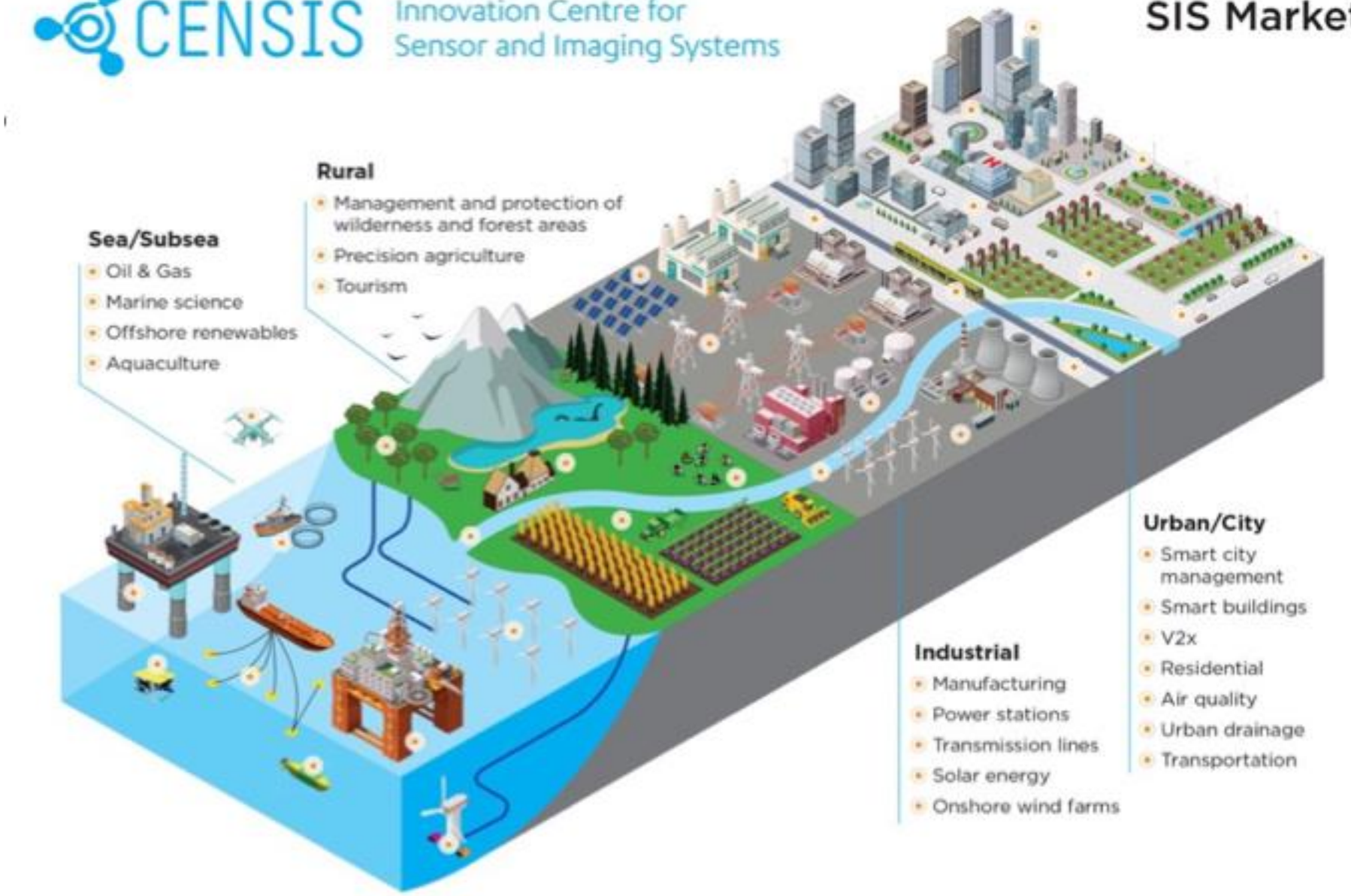
CENSIS Innovation Centre for Sensor and Imaging Systems

SIS Markets



HOW CAN YOU PROCURE WHAT YOU DON'T KNOW EXISTS?

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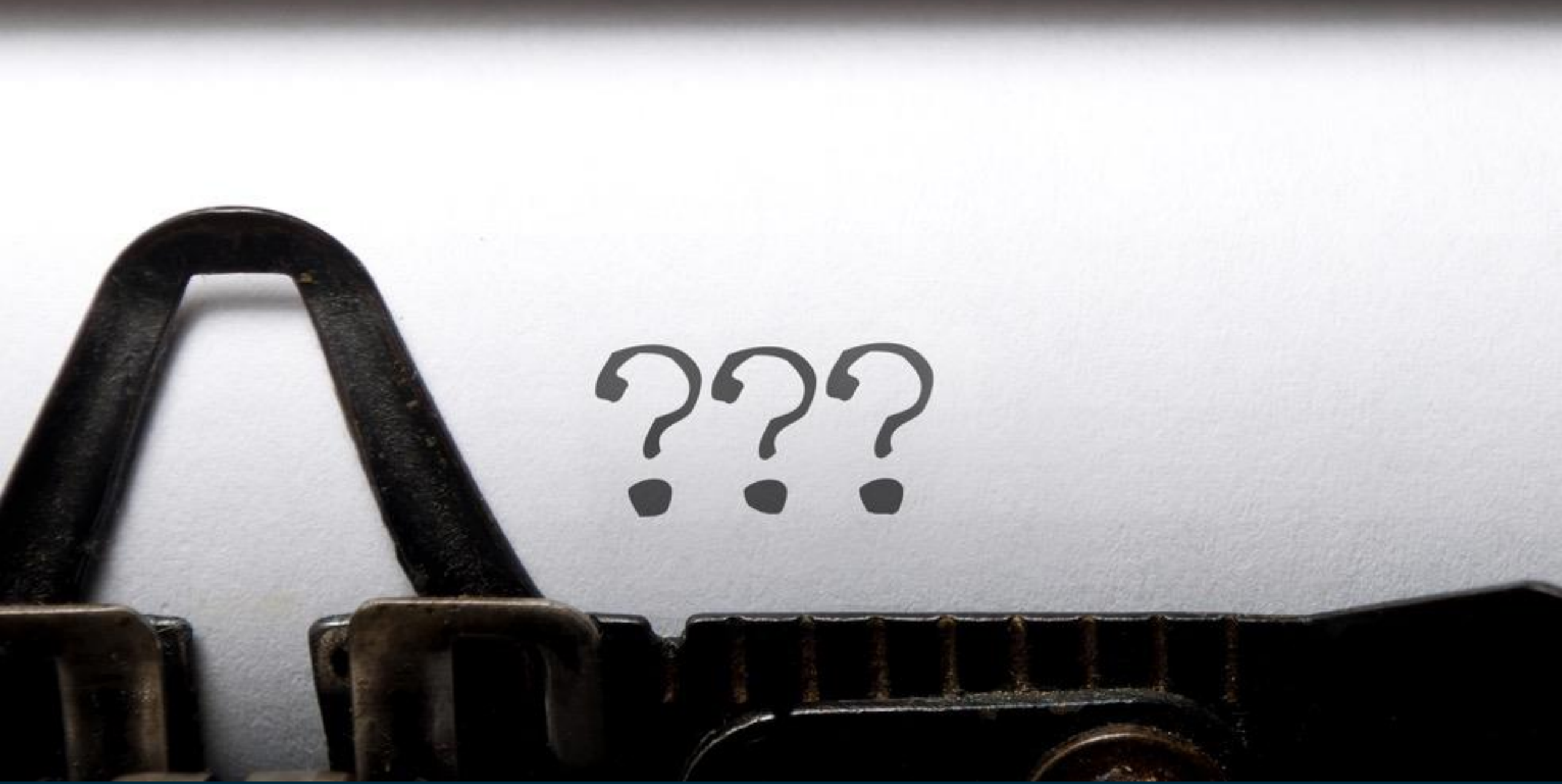

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The CivTech® Programme is Scotland's unique answer to opportunities thrown up by the growth in GovTech and Civic Tech

- Established in 2015
- Diverse team
- Scottish Government (not external)
- Run 26 challenge-based procurements over 3 cohorts

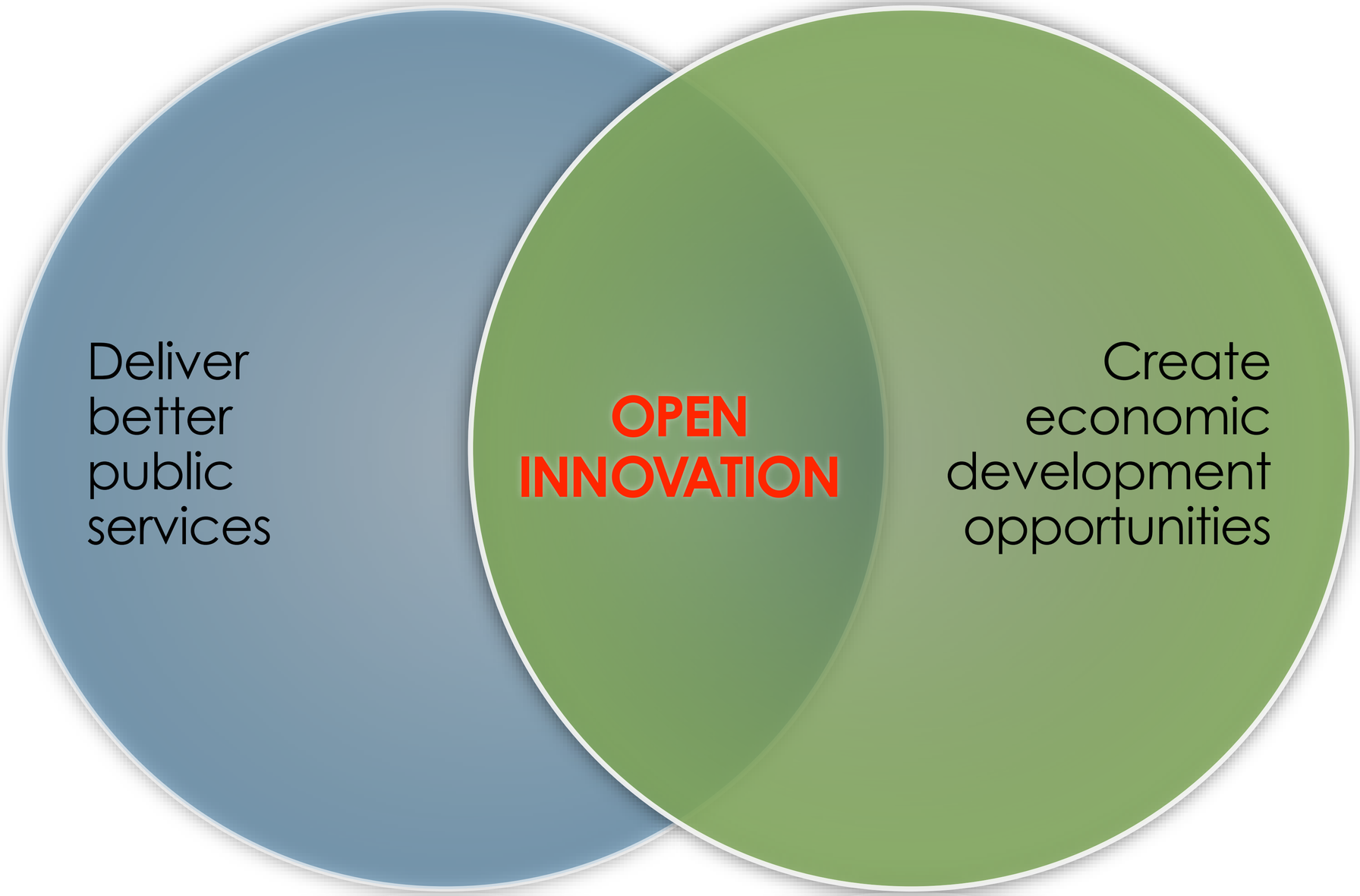
CivTech®'s mission:

to drive daring and innovation

in the public sector by

collaboratively solving challenges

that make people's lives better


Deliver
better
public
services
OPEN
INNOVATION
Create
economic
development
opportunities

MVPs, training,
intrapreneurial experience,
organisational change

Opportunity & access,
money,
training & experience

Challenge Sponsors

CivTech®

Entrepreneurial Entities

Challenges,
opportunity,
money,
resources

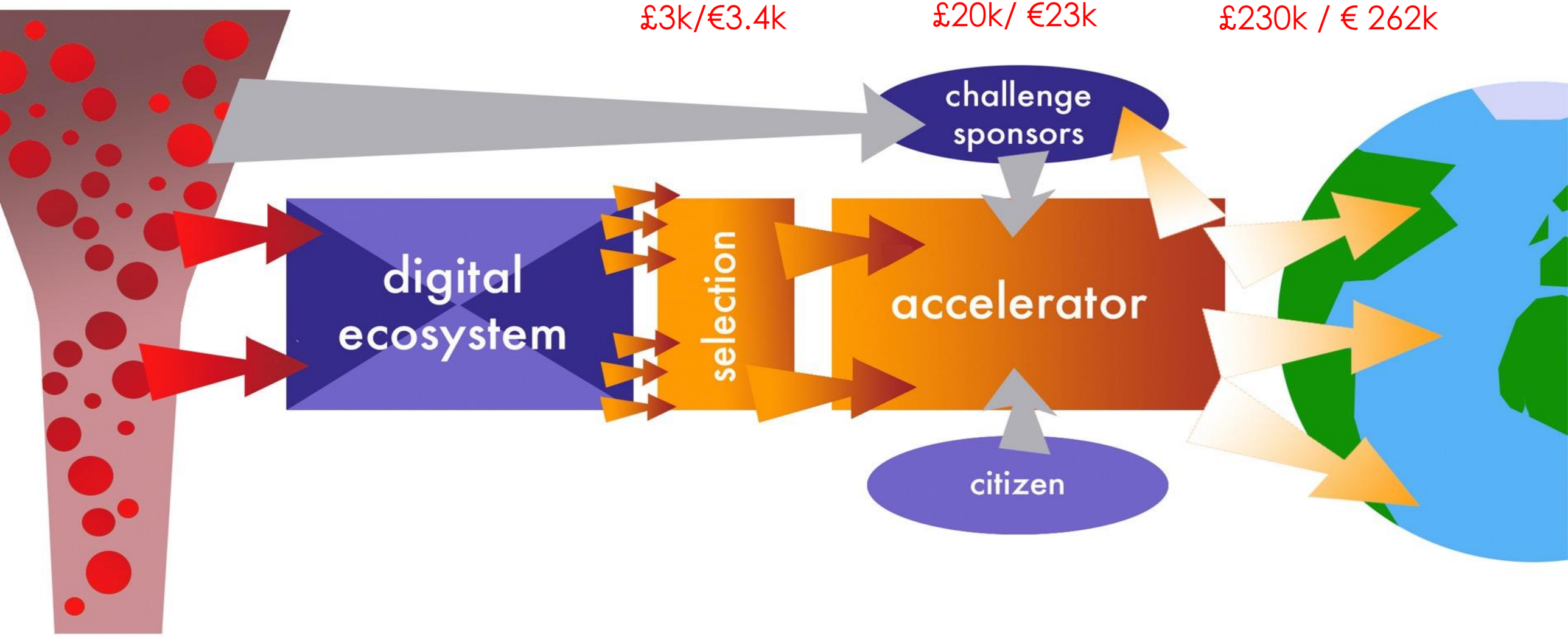
MVPs,
entrepreneurial mindset

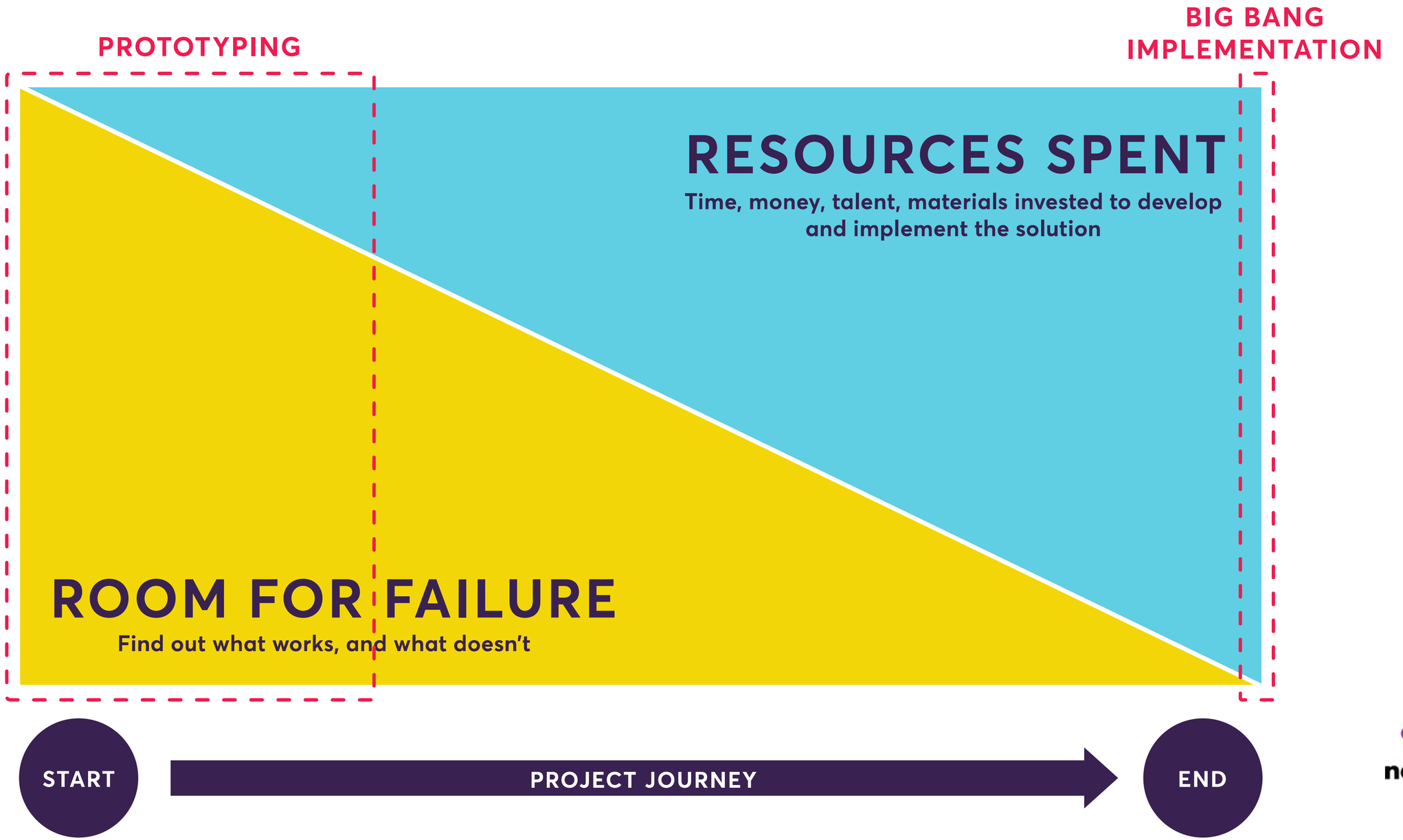
6-10 challenges

3 companies per challenge £3k/€3.4k

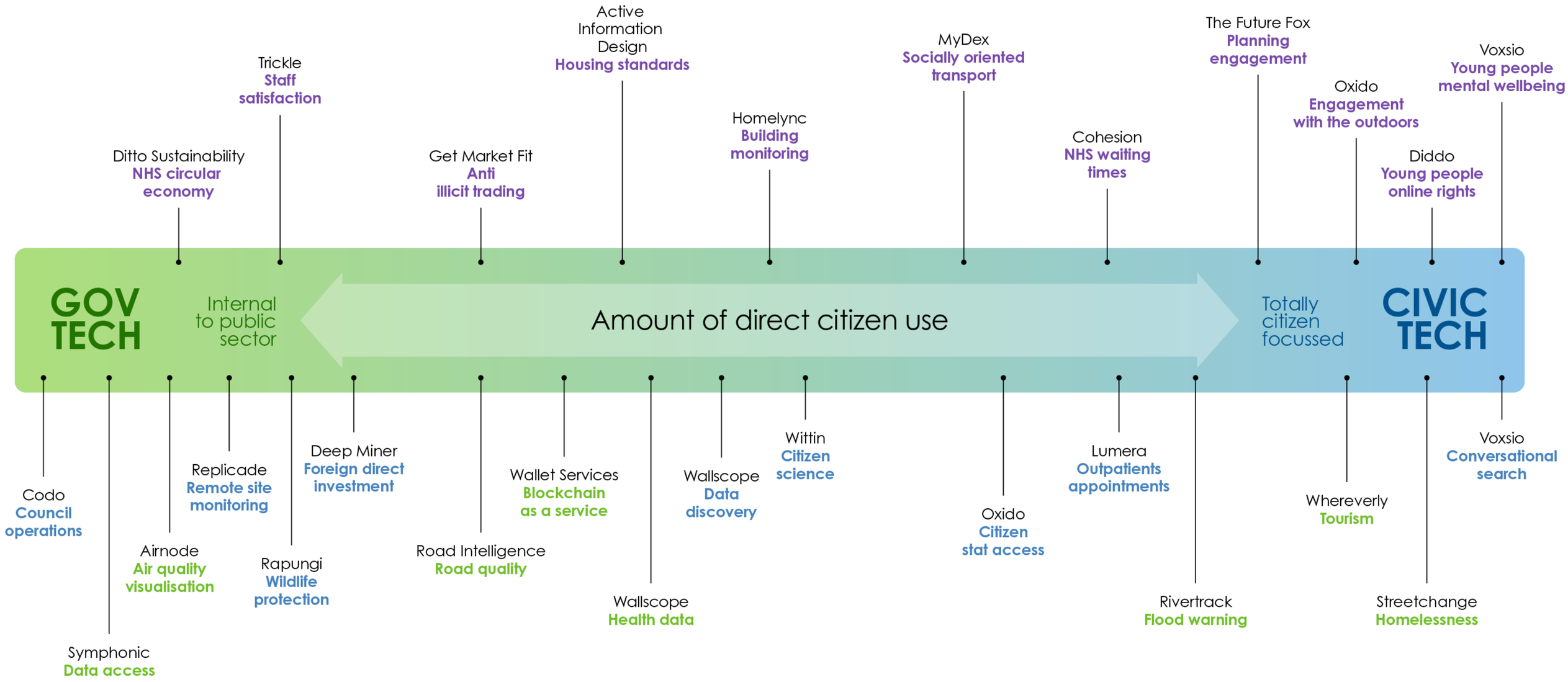
1 company per challenge £20k/ €23k

Contracts up to £80k / €91k £230k / € 262k




PROTOTYPING
BIG BANG IMPLEMENTATION
RESOURCES SPENT
Time, money, talent, materials invested to develop and implement the solution
ROOM FOR FAILURE
Find out what works, and what doesn't
START
PROJECT JOURNEY
END

nesta



Key
CivTech® Beta — 2016
CivTech® 2.0 — 2017

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SEPA
Scottish Environment Protection Agency

How do we improve our flood warning capabilities?

RiverTrack

Flood alarms for at-risk communities

RiverTrack®
Flood alerting for at-risk communities

RiverTrack®

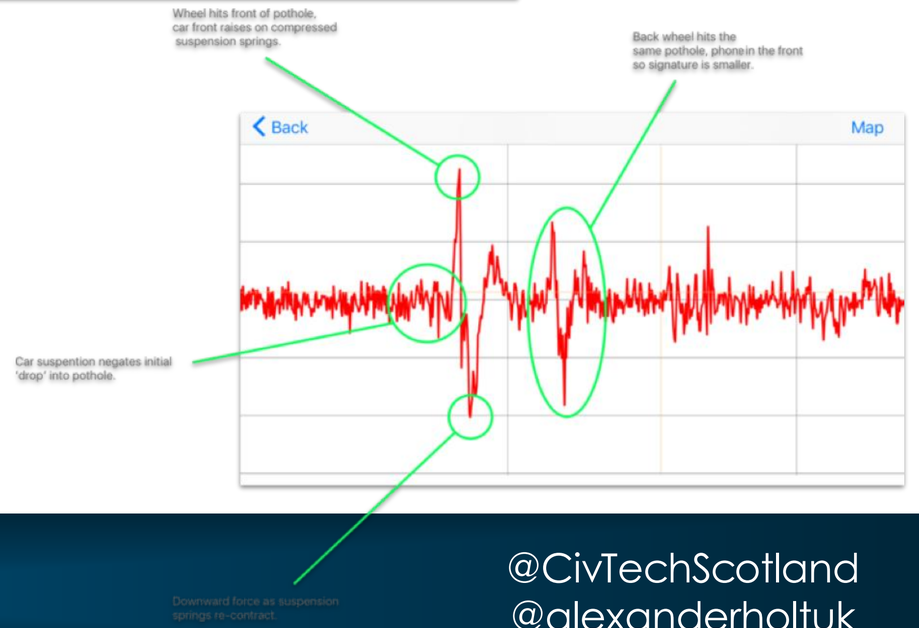
22 devices installed
Moniaive & Menstrie communities
EU2020 project

Gary Martin
gary@rivertrack.org
@RiverTrackorg

How can we utilise tech to deliver smarter road capability?

Road Intelligence

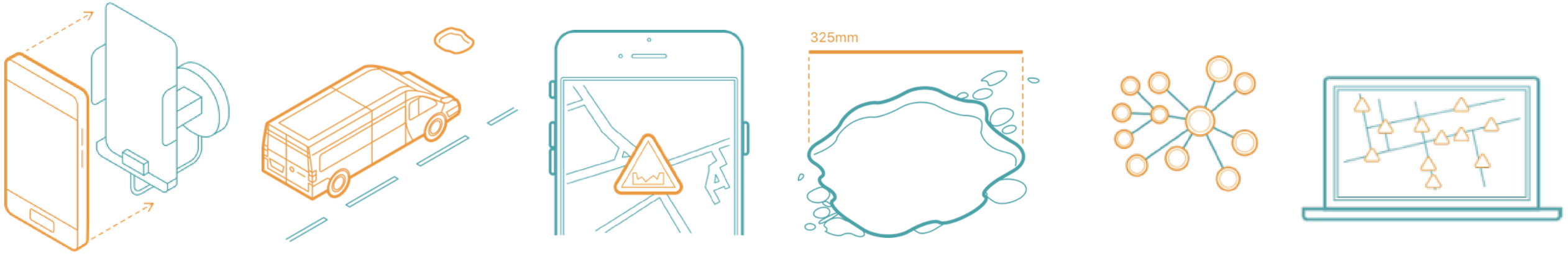
Road defect prediction system



Road Intelligence

Predicting potholes before they happen

2018



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CÒMHDHAIL ALBA

CONSTRUCTION SCOTLAND INNOVATION CENTRE

THE UNIVERSITY of EDINBURGH

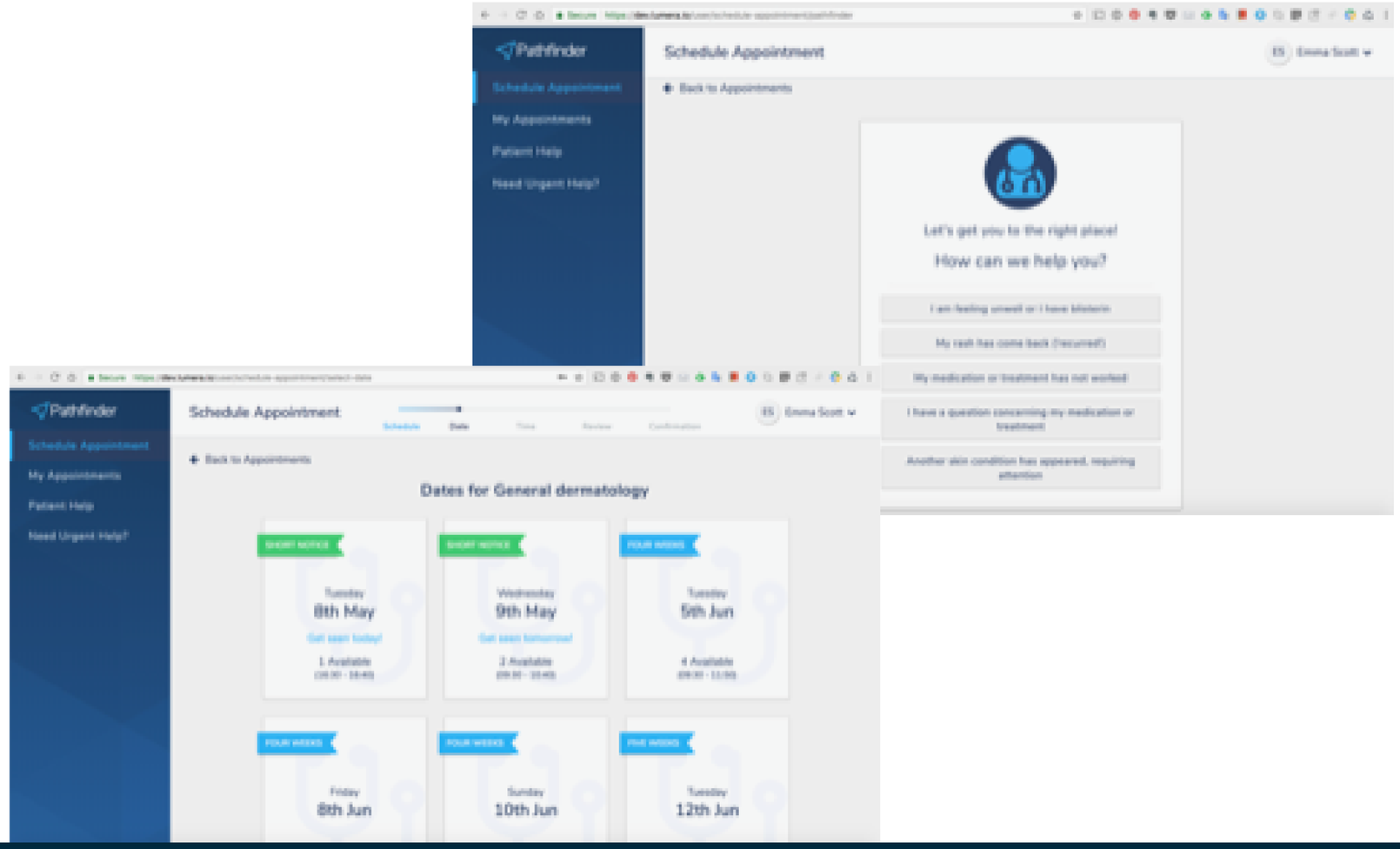
THE DATA LAB

NHS SCOTLAND

How do we create a smarter booking system for outpatients?

Lumera Health

Better triage underpins a better service



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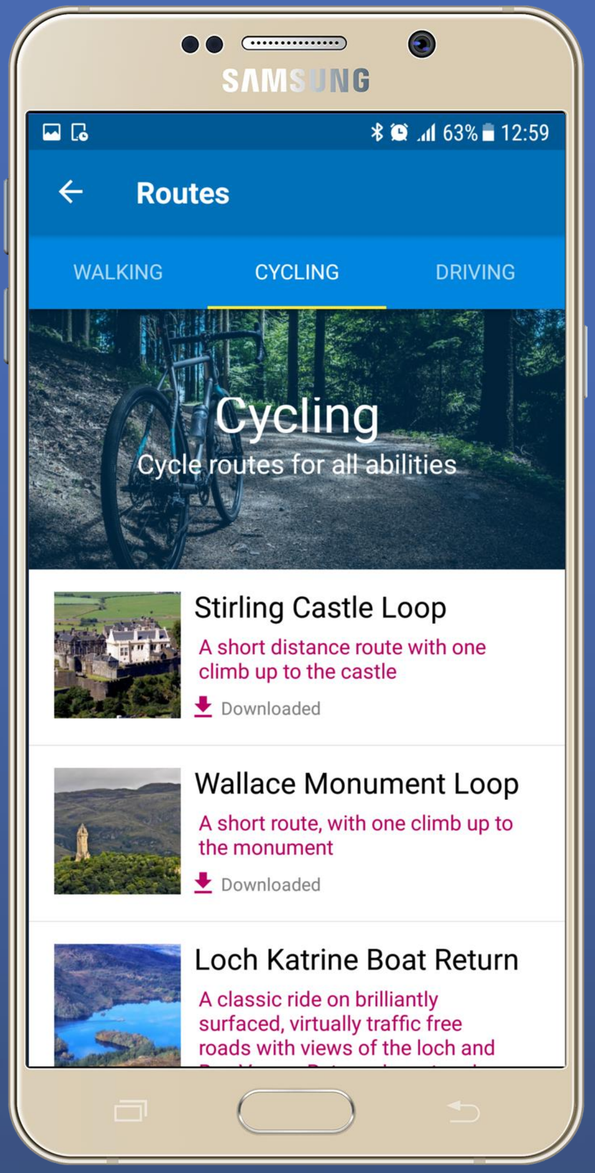

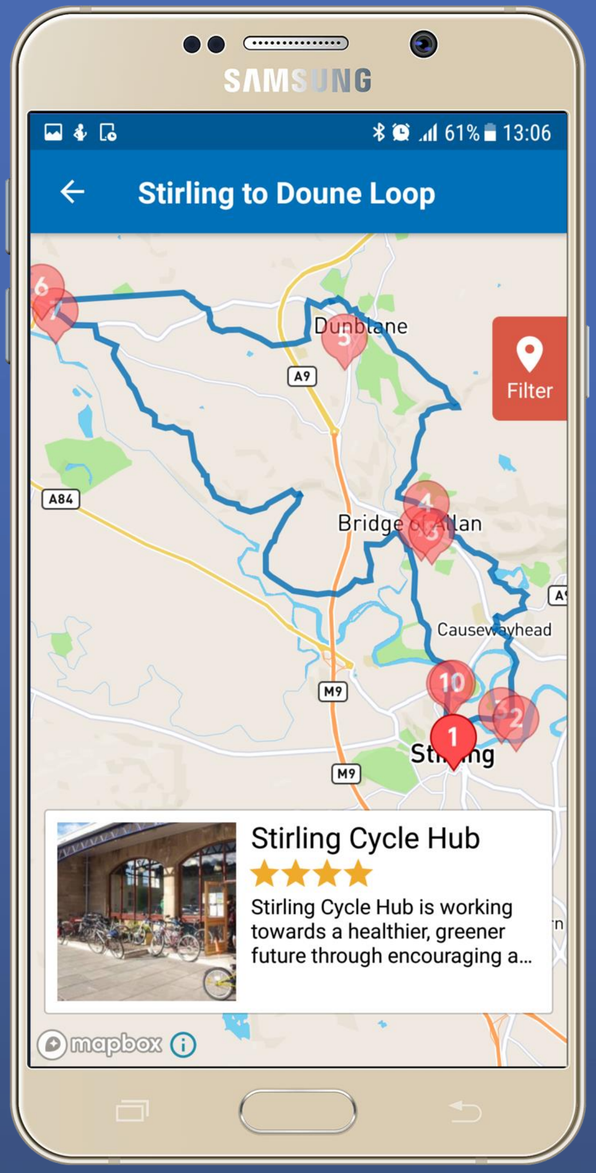

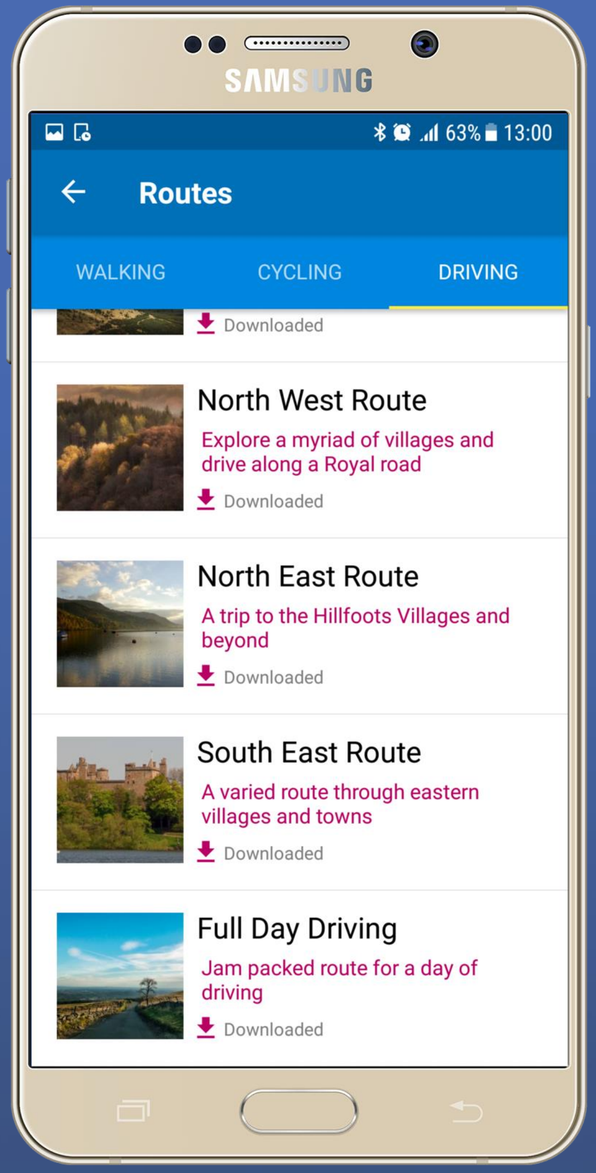

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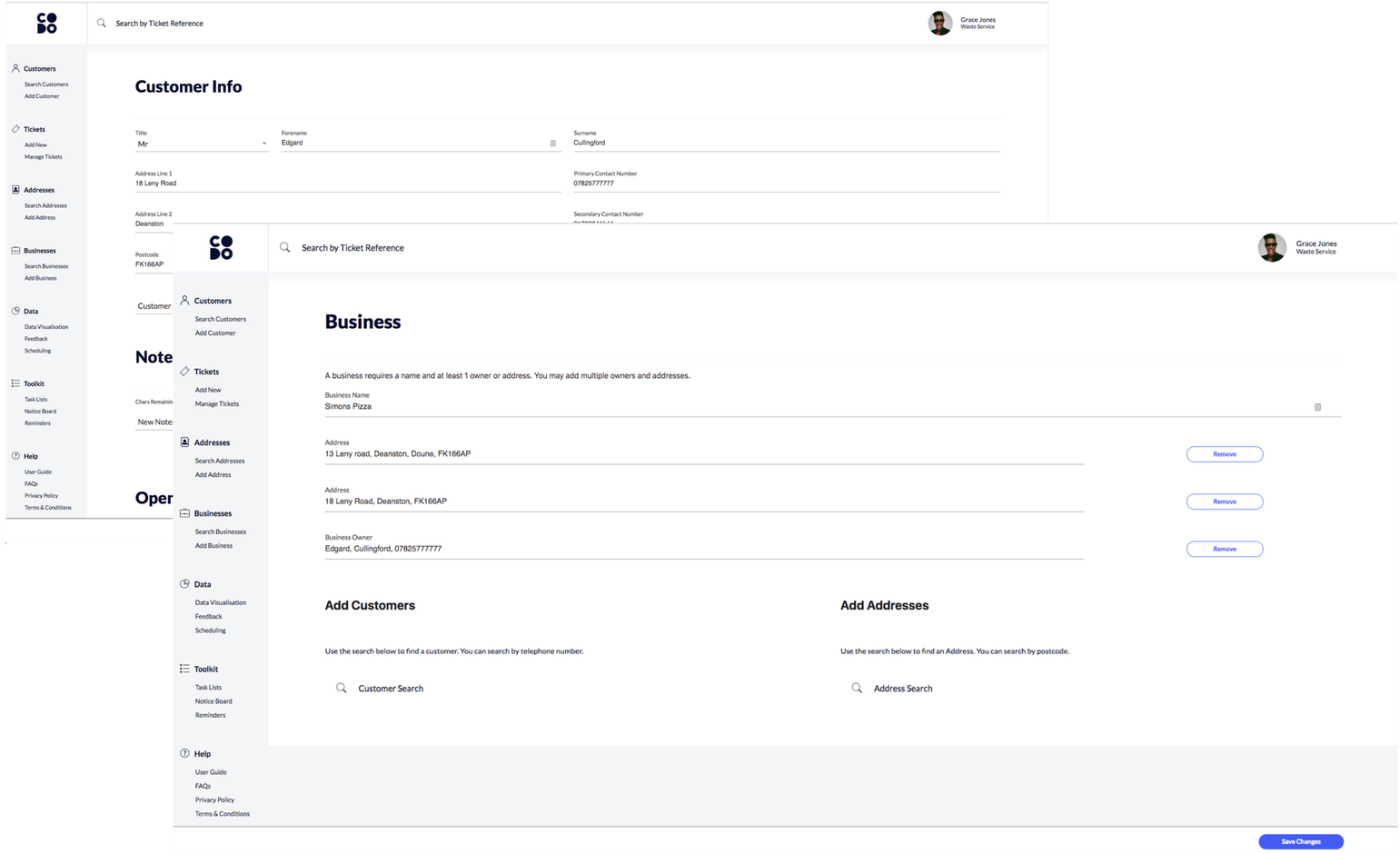
RECOGNISING INNOVATION, EXCELLENCE AND ACHIEVEMENT
HIGHLY COMMENDED
GO Procurement Innovation / Initiative of the Year Award:
Local Government, Central Government and Other Organisations (Local Government and Central Government)
Transport Scotland
Grahame Steed
www.goawards.co.uk/national
HIGHLY COMMENDED
Transport Scotland

Better understand our data to improve all aspects of services?

Dogfish Mobile

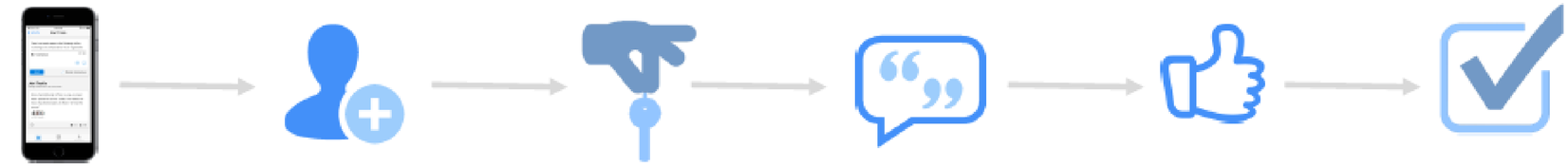
Integrating data



How do we improve staff well being?

trickle

Trickles lead to measurable outcomes



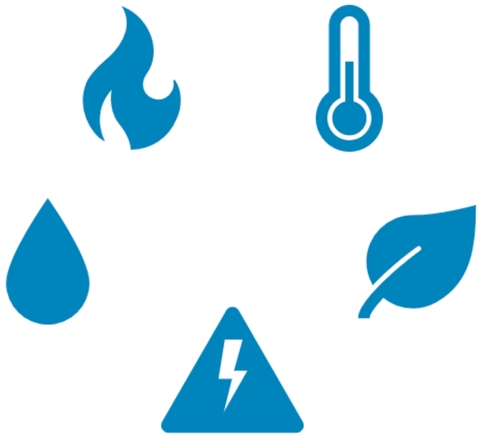
How do we improve our ability to monitor social housing standards?

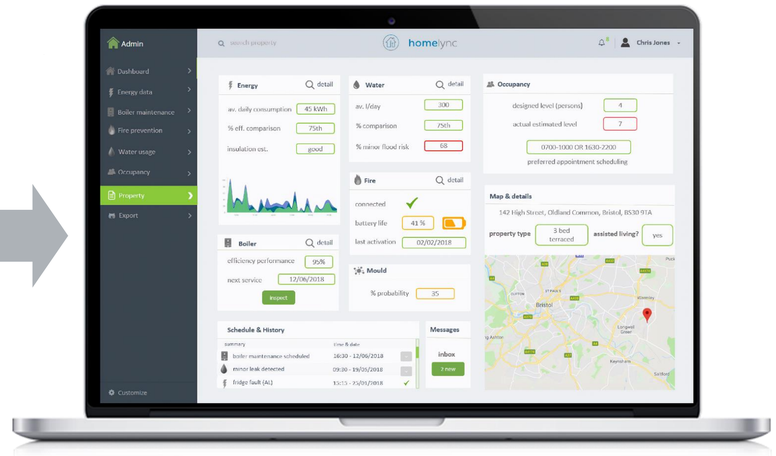
3rd party sensors

hub home

integration platform

one dashboard





existing sensors

existing systems and new services

How can we increase the life cycle of NHS goods?

Cost

Environmental impact

Reporting requirements

Social benefits

Changing attitudes

HOW COULD WE HAVE PROCURED WHAT WE DIDN'T KNOW EXISTED?

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Lesson learnt

Start with the problem not the solution

Cross-pollination

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Lesson learnt

Collaborate with EVERYONE!!

CivTech® Intrapreneurship Leaders Programme

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Developing an **entrepreneurial mindset** with public service leaders means building the **skills** to spot **opportunities** and the **confidence** to take **action** to add **public value** for citizens

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(146)

JAN - JUN ‘16

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RULE ≠ LAW

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Lesson learnt

Show me the law not the rule

IMPACT

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Innovation adoption:

16/18 companies still operating

Of those 16 companies:

- 8 have sold on to another public/third sector client
  - 5 from the beta programme
  - 3 from CivTech 2.0
- 5 have implemented the product with original public service client
- 7 are still developing the product with original public service client

As of 30th September

Cohort	Challenges	Operational companies	Challenge contract value	Post-programme contracts (09/18)	Jobs*	Investment**
beta	8	8/9	£390,000	£1.7m	48 / 36 FT	£1.5m
2.0	7	8/9	£712,000	£260,000	16 / 9 FT	£33k
3.0	11	11				
Total	**26**	**16/18**	**£1.12m**	**£1.96m**	**64 / 45 FT**	**£1.53 m**

As of 30th September

Challenge Sponsors:

Nation Health Service Scotland –
"**Re-wired our brains** as to how we view problems"

Gov agencies **running procurements** more innovatively

Stirling Council **cost avoidance** of £1.5m

“Exemplar” – GovTech Catalyst – UK Gov – 2018

“Hugely successful” – TechNation Report – 2017/18

“Role model” - RSA & Innovate UK – 2017

“Impressive…a lot that Victoria can learn from.” – Special Minister for State, Victoria, Australia – 2017

*"I am so **inspired** by what I have seen at CivTech®. It is truly transformative. It has **changed the mindset** within procurement and I want to evangelise for this kind of work across the Scottish Government and our agencies.*

*It is a **game changer** and is **disrupting public sector ways of working** in the way digital is disrupting the private sector. It is transformative to the point where I want us to revisit our systems to make sure **this kind of project can flourish**."*

Cabinet Secretary for Finance and the Constitution

"Dear First Minister,

On behalf of the State of Victoria, Australia, it is my pleasure to write and advise you of our Government's intent to undertake an innovative approach to procurement, inspired by programs including the Scottish Government Digital Directorate's CivTech® programme…"

Premier, Victoria State, Australia – August 2018

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"Dear First Minister,

I am very pleased to advise you of my government's intention to collaborate with the Scottish Government Digital Directorate's CivTech® programme…"

Prime Minister, Poland – October 2018

AN INVITATION...

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TO THE UK'S START-UP CAPITAL

DEMO DAY 3.0

6TH FEBRUARY 2019

EMAIL CIVTECH@GOV.SCOT FOR AN INVITATION

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Driving daring and innovation in the public sector – please come and have a chat

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