



**THE  
DATA LAB**  
value from data

Foresight Workshop - Aberdeen  
30<sup>th</sup> April 2019

# Where

## START

The Data Lab was founded in 2014 as part of Scotland's Innovation Centres programme.

## NOW

We have operational hubs in Edinburgh, Glasgow, Aberdeen and Inverness.

We nurture a vibrant network of over 4000 individuals and 1,500 companies, public sector organisations and universities in Scotland and beyond. Together, we have put Scotland on the map as a destination for data science.

## FUTURE

Working with partners in Scotland and around the world, over the next five years we aim to generate over £822m in economic and social impact, create new jobs, and make Scotland the global leader in data innovation.

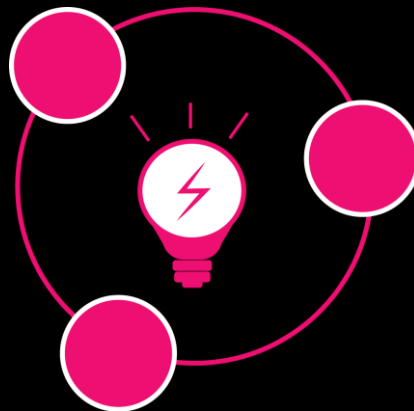
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“Our mission is nothing less than  
realising the full potential for Scotland  
by leveraging data.”

## Community & Events



## Support to Innovate



## Skills and Talent



# Skills and Talent

- Developing and delivering postgraduate programmes which allow students to gain hands-on industry experience.
- Offering professional development programmes that give people at all stages in their career the confidence and ability to work with data – from business leaders to schoolchildren.
- Creating opportunities for businesses to shape the skills agenda and connect into Scotland's data talent pool.



MSc



EngD



PhD



CPD



Online Learning



Apprenticeships



Exec. Ed.

# Community and Events

- Building Scotland's data science network and providing the platform for our community to meet, learn and grow.
- Bringing experts to Scotland and taking our community to learn from innovators outside of Scotland.
- Promoting Scotland on the world stage and demonstrating how we are leading the way to a data-powered future.

# Community Building



Data Meetup



International  
Missions



Data Innovation  
Award



Masterclasses



Business  
Introductions



Hackathons



Data Science  
Mentoring





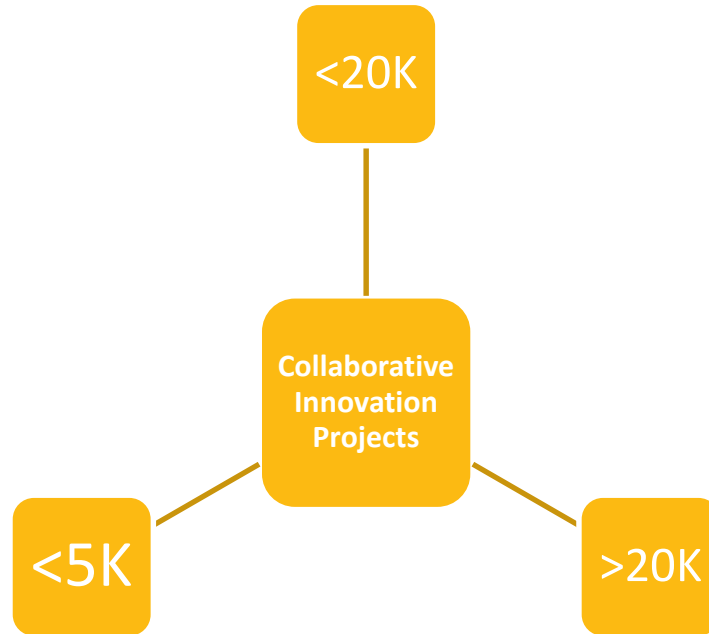
**DATA  
FEST  
2019**



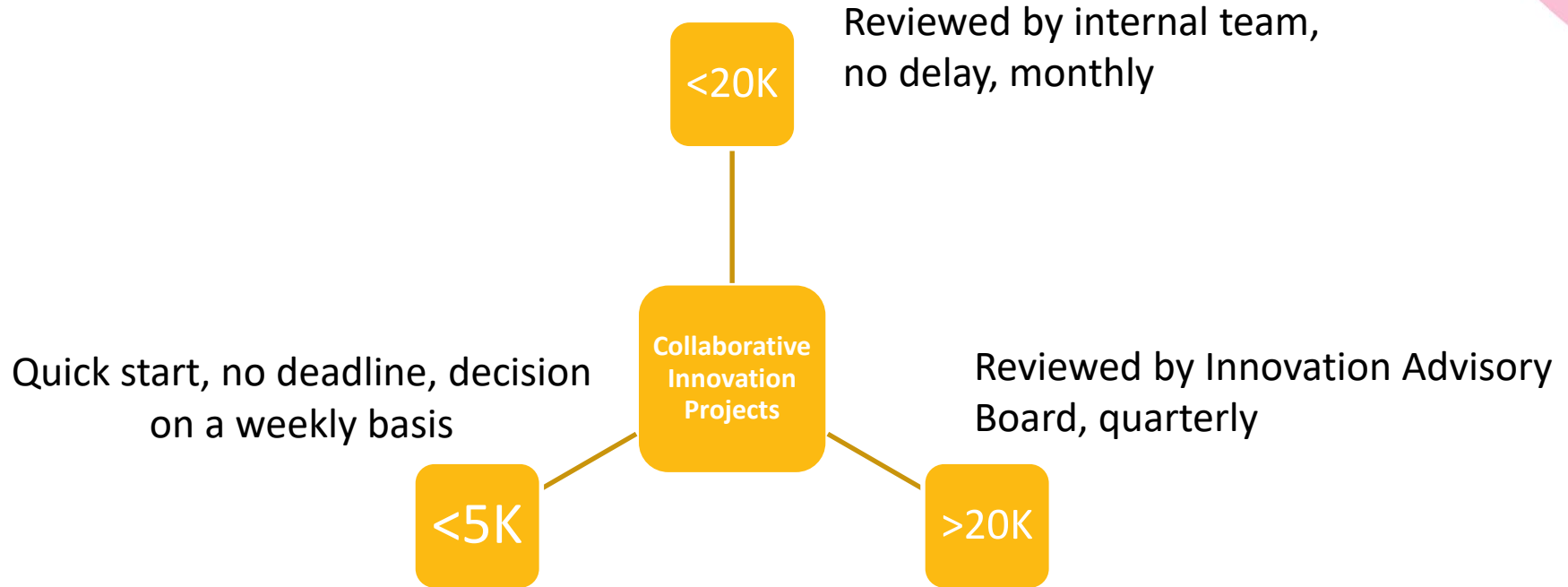
# Support to Innovate

- Collaborative Innovation Projects

# Support to Innovate

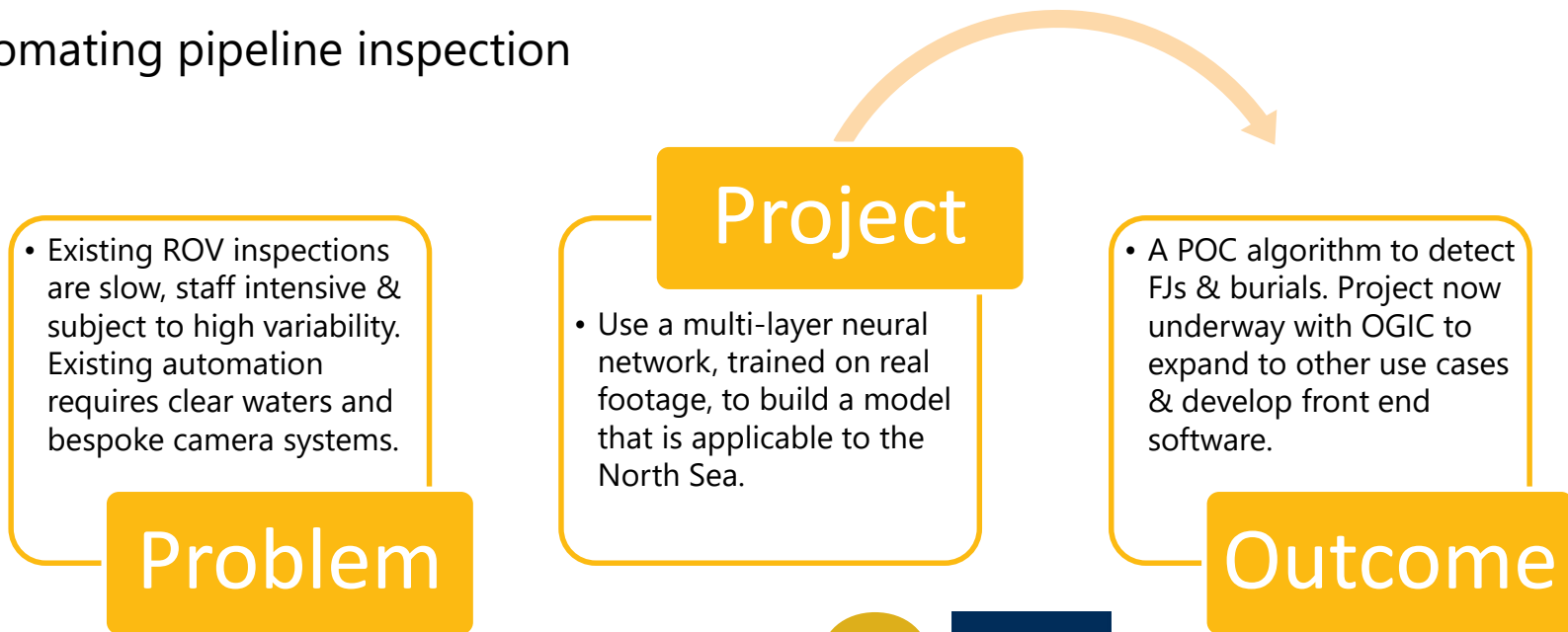


# Support to Innovate



# Support to Innovate

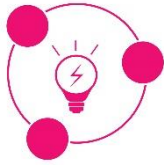
## Automating pipeline inspection



SEA



[Thedatalab.com](http://Thedatalab.com)



The Asset Analytics  
Automation  
FEB 16



International Trip



Job Creation  
AUG 18  
Collaboration with MBN

## AGGREKO CUSTOMER JOURNEY

2016

2017

2018

MSc Placement:  
Democratisation of  
Telemetry Data  
JUN 17



Job Creation  
APR 18  
Collaboration with MBN



New Jobs  
OCT 18



### Need

Need a system to allow them predict equipment breakdowns and failures before they occur to keep providing an uninterrupted service to its clients.

### TDL support

Partnership with the University of Strathclyde to deliver academic insight and data science support.

### Solution

The Asset Analytics Automation, based on the implementation of Telemetry technology, collects control data from generators and then monitors it to take proactive action to improve equipment reliability and customer satisfaction.

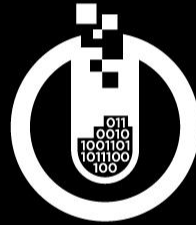
*“ They (The Data Lab) have been instrumental in advancing Scotland's data science capabilities. I'm a big advocate of The Data Lab; without their help we would not be where we are today in our data analytics journey ”*

STEVEN FAULL, APPLICATIONS DEVELOPMENT MANAGER

## Things consider when developing data-driven collaborative opportunities:

- Spend time framing the problem
  - Time-saving?
  - Optimisation?
  - Improved insight for DM?
  - Reducing risk?
- Consider data availability
  - Who owns it?
  - What state is it in?
  - Is it ready to use?
- Sometimes a large project isn't you're best option.
- TDL can help throughout the process





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