UKA Smart Places and Communities 2022 SCOTLAND'S CONNECTED AND SMART PLACES

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ABOUT THE DIGITAL OFFICE

Partnership of all 32 Councils in Scotland to collaborate on digital transformation

Hosted by COSLA but funding and governance managed via the Partnership

Role includes

- Sector-wide leadership for digital
- Greater sharing of lessons and experience
- Skills development and capacity building
- Collaboration and partnership working
- Business cases for sector-wide approaches and investment
- Sector-wide programmes and projects
- Sector-wide technical assurance





TIMELINES OF KEY CONNECTED PLACES **INTERVENTIONS IN SCOTLAND**

2013-2014 Glasgow Future Cities Demonstrator

Innovate UK

Glasgow

North

Scottish Cities Alliance ERDF

Aberdeen, Dundee, Edinburgh, Glasgow, Inverness, Perth and Kinross, Stirling

2016-2022 Smart Cities Scotland Programme



2018 Launch of IoT Scotland Network

Scottish Government



DIGITAL OFFICE/CENSIS COLLABORATION

Develop the local government market for IoT

- Provide innovation and commercial opportunities for Scottish IoT businesses
- Build a suite of IoT case studies to inspire other markets



https://censis.org.uk/



Scottish Local Government

Accelerate adoption of IoT within Scottish Local Government

- **Inspire Councils to use IoT** to transform services
- **Build confidence in IoT** adoption through proven use-cases and practical support
- Create opportunities for collaborative innovation
- Create opportunities for shared approaches



KEY PRODUCTS

ADVISORY GROUP

- Collective Leadership for IoT with Councils
- 11 Councils involved
- Peer support network

WEBINAR SERIES

- Fortnightly Event:
- Primers
- Case Studies
- Technical Sessions
- Guest Speakers



PLAYBOOK

- Online resource for advice and guidance
- Stakeholder pathways
- Library of **Business Cases** and "Blueprints"

INNOVATION

 Opportunities for collaborative open innovation

e.g. CivTech Scotland



Richer situational insight that can improve real-time and/or planning decision-making

Processes redesigned to be more reactive and targeted, and delivered remotely

(((1)) • • • • Step 1 **Monitor**





Processes that react to real-time insight become automated

Al trained to provide predictions that enable prevention and early intervention



Step 3 **Automate**



Step 4 **Predict**





CASE STUDIES



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Optimising Waste Collection







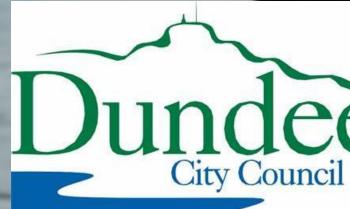




Monitor React Predict Automate











Improving the ventilation in schools

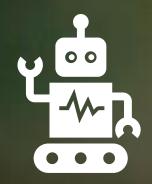
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Monitor React Automate Predict











React Automate

Improving water Safety



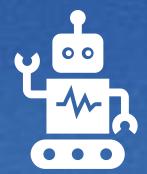












Automate







DIGITAL OFFICE

Scottish Local Government



Improving the experience of rural and remote visitor hotspots

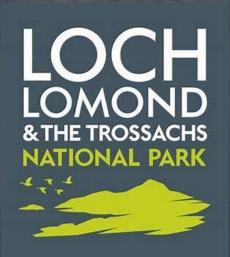






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SUMMARY

- 1. Councils in Scotland are increasingly experimenting and starting to adopt IoT applications to transform services
- 2. We are also now seeing Scottish Councils deploy IoT at scale
- 3. The Digital Office and CENSIS are collaborating to facilitate sharing and collaboration in order to accelerate adoption
- 4. The case studies across Scotland vary significantly with a broad range of urban and rural applications
- 5. Increasingly the focus is on scale, automation and prediction, and increasingly linked to to the Digital Office's sister programme "Driven by Data" programme.





THANK YOU

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