

Peterborough
Creating the UK's Environment Capital

彼得伯勒：讓智慧城市更人性化

智慧城市之旅

2012 年–早期實施

彼得伯勒早在 2012 年就開始了智慧城市（Smart City）的歷程。該市當年獲得了Innovate UK提供三百萬英鎊資金，作測試、開發與施行可實現智慧城市的新概念與理想。該筆資金乃因彼得伯勒參與Innovate UK所主辦的整合城市服務與系統獲取更大效益的競賽而獲得。

這一宣稱的計畫稱為Peterborough DNA，以四項相關聯的活動為焦點：智慧型企業、資料流動、技能與創新。

該計畫由經濟發展公司、Opportunity Peterborough機構與彼得伯勒市議會合作主導，提供了一項基金，透過強而有力的領導與支援在全市範圍推行智慧化項目和應對挑戰的創新型解決方案。

2015 年–世界級智慧城市

我們以市民為中心的方式贏得了世界認可！總部設於巴塞隆納的世界智慧城市議會（World Smart City Congress）與7位國際級專家評估了來自52個國家的265位參賽者，最後是彼得伯勒贏得了「2015年度世界智慧城市」的榮譽。

入圍2015年度智慧城市的包括莫斯科和杜拜，然而令裁判員印象深刻的是彼得伯勒致力發展循環型經濟、我們的公民合作參與以及我們的環保之都的願景。

2016 年–宣言化為行動

我們開始透過Future Peterborough計畫，推廣作為Peterborough DNA演示階段一部分的創新性理念、方法與項目。

我們累積了經驗並吸取以往教訓，將這些加入城市運作中。Future Peterborough計畫的方法是以智力為基礎，傾聽居住在這個城市的民眾，加上智慧型領導與循環經濟原則。

使用價值

- 在英國標準學會（BSI）《智慧城市標準》套件的開發活動中擔當領導者角色
- BSI 智慧與可持續城市委員會(SDS/2)主席
- 城市標準學會(Cities Standards Institute)創始會員
- 參與國會跨黨派智慧城市委員會
- Ellen MacArthur基金會循環城市網絡成員
- 為印度阿馬拉瓦蒂市和中央邦提供由DFID資助的智慧城市領導力計畫。

該團隊至今已參與超過50次國際會議，並因在2015年獲得「世界智慧城市大獎」而持續受到當地與國內外媒體競相報導。

未來

彼得伯勒因聚焦智慧城市的人類因素而持續獲益，並全心全意利用這一點應對現時與未來的挑戰。該地透過整合服務與系統，使經濟發展、環境可持續性以及生活體驗質量獲得了提升。

我們樂於尋找與其他城市的合作機會而達致共同獲益——與全世界的城市共享專業知識與經驗。



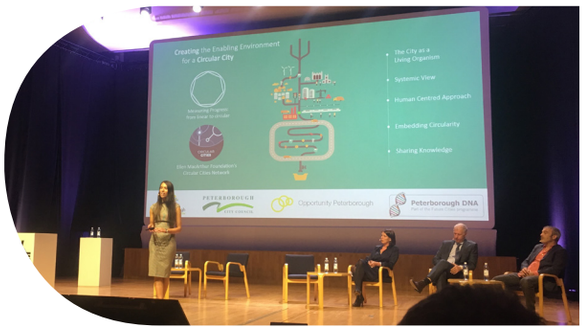
2018 年–可循環未來

彼得伯勒因其邁向智慧城市以及其循環經濟成果而享譽國際。

目前彼得伯勒的目標是在2050年創造真正的循環經濟。這意味著，創造循環經濟，需要我們不產生一點廢物。我們希望充分利用本地資源——從我們的大廈、我們的人和他們協助各家公司尋找廢物的新用途或是消除廢物排放管道的技能。

我們是第一個擁有全市範圍效能監測框架的地方。透過與當地企業合作，我們正在開發一項深具意義的道路圖，以指引及衡量我們成為循環型城市的進程。我們的循環型城市倡導方案同時檢視了7個R的每一項——一系列邁向循環型城市的實行步驟——由彼得伯勒市內不同機構倡導。這7個 R 是：重新思考(rethink)；重新設計(redesign)；重新制定目標(repurpose)；重用與共享(reuse&share)；重新修理(repair)；重新製造(remanufacture ）；重新回收(recycle)；以及恢復(recover)。

在更為可實行的層級，我們為彼得伯勒的機構組織開發了sharepeterborough.com這一線上資源共享社區，並已擁有超過300個已註冊使用者。無論是在本市範圍內共享停車位、求取辦公用家具，或是發展與共享技能，會員可使用該網站交換產品、技能與服務，以及向其他會員提供獨家優惠。



從數位化角度看，我們的Future Peterborough計畫讓我們以更為明智的方式使用資料。我們與專業合作夥伴Metroflows一道，開發一項數位化可視工具，以地圖方式呈現全市的資源流動。即將推出。

2050 年-彼得伯勒向運作真正循環經濟邁進！

如需更多資訊或進一步瞭解合作方式，請聯絡：

Trevor Gibson

Opportunity Peterborough機構智慧城市領導力與發展經理

聯絡電話：00441733 317401

郵箱地址：trevor.gibson@opportunitypeterborough.co.uk

2018年3月

Opportunity Peterborough

Peterborough
Creating the UK's Environment Capital



Peterborough
Creating the UK's Environment Capital

Peterborough: Making smart cities more human

Our smart city journey

2012 An early adopter

Peterborough began its Smart City journey in 2012 when it was awarded £3 million by Innovate UK to test, develop and implement new concepts and ideas that would transform it into a Smart City. The funding was awarded after Peterborough participated in Innovate UK's competition challenging cities to look at how they could integrate their services and systems for greater effect and efficiency.

The demonstrator programme, known as Peterborough DNA, focused on delivering four interlinked strands of activity: Smart Business, Living Data, Skills and Innovation.

Delivered in partnership by economic development company, Opportunity Peterborough, and Peterborough City Council, the programme provided a foundation to deliver smart projects and innovative solutions to challenges across the city through strong leadership and support.

2015 A World Smart City

Our citizen-centred approach resulted in world recognition! The Barcelona-based World Smart City Congress worked with 7 international experts to evaluate 265 entries from 52 countries but it was Peterborough that won the title 'World Smart City 2015'.

Shortlisted cities in the Smart City of the Year 2015 category included Moscow and Dubai, but judges were impressed with Peterborough's commitment to developing a circular economy, our collaborative approach to citizen involvement and our Environment Capital vision.

2016 Demonstration into action

We began scaling up the innovative ideas, approaches and projects delivered as part of the Peterborough DNA demonstrator phase through the Future Peterborough programme.

We took the experiences and lessons learnt and embedded them in the way we operate as a city. The Future Peterborough approach is built upon intelligence, listening to the people living in our city, smart leadership and circular economy principles.

Harnessing value

Peterborough's impact so far:

- Played a lead role in the development of British Standards Institute's (BSI) suite of Smart City Standards
- Chair of the BSI's Smart and Sustainable Cities Committee (SDS/2)
- A founder member of the Cities Standards Institute
- Attends the All Party Parliamentary Group on Smart Cities
- A member of the Ellen MacArthur Foundation's Circular Cities Network
- Delivers a DFID-funded Smart City Leadership Programme for the Indian city of Amaravati and for the state of Madhya Pradesh.
- The team has presented at over 50 international conferences and continues to acquire local, national and international media coverage peaking with the 'World Smart City Award' in 2015.

The future

Peterborough continues to benefit from its focus on the human aspects of smart cities and is committed to use this to tackle current and future city challenges. By integrating services and systems, there is enhanced economic development, environmental sustainability and quality of life experiences.

We're keen to explore partnerships with other cities for mutual benefit – sharing expertise and experience with cities



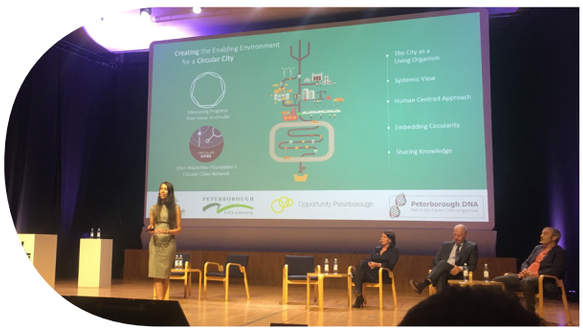
2018 A circular future

Peterborough has become internationally renowned for its work to become a Smart City and for its circular economy achievements.

Peterborough now aims to create a truly circular economy by 2050. That means we're creating an economy where we don't have any waste. We want to make the most of local resources - from our buildings, our people and their skills right through to helping companies find new uses for, or eliminate, their waste streams.

We're the first place to have a city-wide performance monitoring framework. By collaborating with local businesses we're developing a meaningful roadmap that will guide and measure our progress towards becoming a circular city. Our Circular City Champion Scheme also sees each of the 7 Rs - a series of practical steps to becoming a circular city - championed by different organisations across Peterborough. The 7 Rs are: rethink; redesign; repurpose, reuse & share; repair; remanufacture; recycle; and recover.

At an even more practical level we've developed sharepeterborough.com, a free online resource sharing community for Peterborough organisations which now has more than 300 registered users. Whether there are parking spaces to spare in the city, office furniture required, or even skills to develop and share, members can use the site to exchange products, skills and services, and offer exclusive promotions to other members.



From a digital perspective, our Future Peterborough programme ensures we use data more intelligently. Together with our specialist partner, Metroflows, we're developing a digital visualisation tool to map resource flows across the city. Due to launch soon.

2050 Peterborough aims to be operating a truly circular economy!

If you'd like to learn more or explore how we might work together, please contact:

Trevor Gibson
Smart City Leadership and Development Manager,
Opportunity Peterborough

T: 00441733 317401
E: trevor.gibson@opportunitypeterborough.co.uk

Opportunity Peterborough

Peterborough
Creating the UK's Environment Capital

March 2018