



Hamilton

ICF Summit – JUNE 2018

July 18, 2018

ICF GLOBAL **18**
SUMMIT
London June 4-6

produced in
partnership with



Theme: Humanizing Data

SUMMIT HIGHLIGHTS



ICF Global Summit was hosted at the Siemen's Crystal Building in East London.

Note: The Canadian Geese also infiltrated London...

We had an opportunity to share Hamilton's story with the ICF Global Summit attendees.

Mayor Fred Eisenberger
Director Glen Norton
Chief Digital Officer Andrea McKinney

Hamilton was recognized as one of the world's Top 7 Communities along with:

- Chiayi City, Taiwan
- Espoo, Finland
- Ipswich, Australia
- Tainan City, Taiwan
- Taoyuan, Taiwan
- Winnipeg, Canada

AND THE WINNER IS...

***Espoo,
Finland!***



https://www.espoo.fi/en-US/City_of_Espoo/Decisionmaking/The_Espoo_Story

About Espoo, Finland...

Population: 275,522

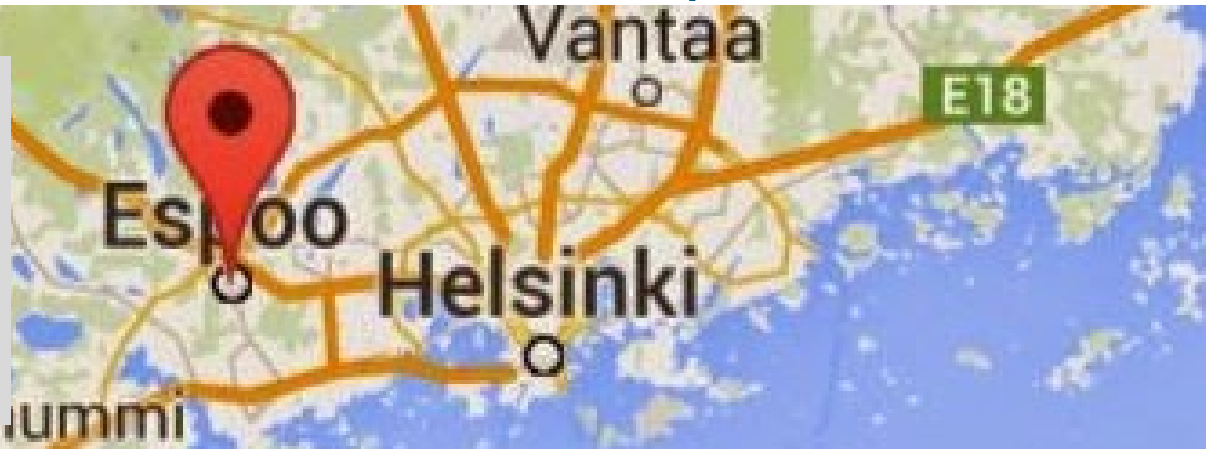
Area: 528 square km

Islands: 165

Unemployment Rate: 18%

Companies: Nokia, KONE, Rovio

Mayor: Jukka Makela





Espoo: Next Generation Challenges

CHALLENGE: Capacity bottlenecks threatening city digital services and throttling future online experiences

SOLUTION: LuxTurrim 5G – a three year pilot project that leverages light poles as transmitters for 5G antennas and base stations. This project aims to create proof of concept for the technology integration



Espoo: Sustainability at the Core

BACKGROUND: An international benchmark has named Espoo the most sustainable city in Europe. From 2013-2016 over 100,000 people participated in sustainability events and the city government launched 17 new sustainability projects in collaboration with partners and citizens.

SOLUTIONS: Six City Strategy – a cooperative policy uniting the six largest cities in Finland to tackle urban challenges while facilitating companies to create smart city solutions. To date: the partnership has launched 26 projects with a budget of 45 million euros, with an additional 55 million euros forecast through 2020.



Espoo: Transforming Education

PROJECT: School as a Service (SaaS) – Espoo is working with local university and private sector companies to redefine education in Finland. The emerging SaaS model is a network of resources to support learning. Teachers change their focus from imparting knowledge to helping students identify the best way for them to learn. In the first year, students have actively grasped the opportunity to attend university courses and it has attracted 150% more applicants than the previous year.

PROJECT: Employment Concert Sello – a project that partners with large shopping centres in Espoo to train unemployed citizens in job-specific skills.



Espoo: Transforming Education

PROJECT: KYKY Accelerated Co-Creation is a collaborative project that turns schools into living labs that support students' learning and growth while giving technology companies a platform to develop products and services for learning. Co-creation activities are user-driven, participatory and employer with school and company deciding together on structure, methods, and goals.

RESULTS: A total of 40 schools with 33,000 participants took part in the program. The program claims credit for guiding five education startups to international markets – all of them using the “co-created with the City of Espoo” brand in their marketing.

Top 7 City: Chiayi City

Population: 270,000

Economy: Services sector including wholesale, retail, transportation, warehousing, accommodations, and food

Projects:

- Air Box – a network of cloud-connected air quality monitoring stations
- Solar Photovoltaic Setup and Promotion Team – installation of solar panels on public buildings that are capable of producing 3.6 million degrees of power annually
- 1,000 Wi-Fi Hotspots
- Chiayi Youth Entrepreneur Association that holds a competition for student teams to compete on creative projects designed to teach business values
- Coworking Environments



Top 7 City: Ipswich, Australia

Population: 195,000

Economy: Energy, Environment, Food and Agribusiness, Defence, Advanced Manufacturing, Education, Transport, Construction

Projects:

- Western Corridor National Broadband Network – 39,000 premises are connected to the network with another 34,000 set for 2019
- Firestation 101 is a hub for startups and innovators that provide education, mentoring, and potential funding
- The Application Studio is a formal framework for city service experts, open data analysts, and innovators to collaborate in developing new city services and projects
- Smart City Program from Ipswich City Council



Top 7 City: Tainan City

Population: 1.9 million

Economy: High-Tech industrial, green energy, biotechnology, auto parts, food processing, textiles, plastics, and other traditional manufacturing

Projects:

- Small Business Innovation Research program that promotes and subsidizes R7D
- Maker Bases for the city's Youth – include hackerspaces, makerspaces, tech shops, Fab(rication)Labs
- Free digital skills classes
- Mobile Networking Project – offers classes to senior citizens around smartphone usage, accessing medical information, and streamlining appointment bookings for those seeking medical aid



Top 7 City: Taoyuan City

Population: 2.1 million

Economy: High-Tech industrial

Projects:

- i-Taoyuan Free Wi-Fi 2.0 Project has established 921 free wireless hotspots through the city with plans to expand four high-traffic areas into hot zones with wider coverage
- Internet of Things demonstration zone – established 90 LoRa Hotspots in the city to support IoT network
- Creating an Asian Silicon Valley in the Qingpu area of the city with attracted investment of 500 billion NTD (~\$21 million CAD)
- Citizen Identity Card – connects residents with a wide variety of public services and information. It's integrated with city's transportation system too





Top 7 City: Winnipeg

Population: 705,000

Economy: Manufacturing, trade, education, health care, social assistance

Projects:

- Manitoba Internet Exchange allows members of the exchange to connect to one another over unmetered Ethernet to order to exchange local internet traffic. This bypasses the need for expensive and complex routing
- North Forge Technology Exchange is Canada's largest non-profit fabrication workshop. It provides access to digital fabrication, prototyping equipment, training, support, and includes digital services
- Composite Innovation Centre (CIC) is a public-private R&D organization to develop technologies and supply chains for high performance composites
- Digital Voices Project is around oral storytelling in the aboriginal culture

NEXT STEPS

- Future direction of Mayor's Intelligent Community Task Force?
- Changing Terms of Reference?
- Applying for next ICF Designation?