

SEOUL SMART CITY PRIZE



SEOUL SMART CITY PRIZE 2024

The Seoul Smart City Prize saw a successful launch in 2023, marking a significant milestone in the pursuit of innovative and inclusive smart city models. This inaugural event showcased a commitment to addressing the challenges posed by the Fourth Industrial Revolution, emphasizing information and communication technology and artificial intelligence. Building upon the success of its debut, the Prize remains steadfast in its mission to promote human-centric and technology-centric approaches, with a particular focus on uplifting underprivileged groups.

As we transition into 2024, the Seoul Smart City Prize continues to be at the forefront of shaping the future of cities, driving global collaboration and recognition for model cases that embody inclusivity and human-centric values. The global adoption of artificial intelligence (AI) has continued to accelerate digital transformation and revolutionize the way cities operate. This technological evolution, however, has led to digital divide widening, underscoring the urgent need to shape the future of cities to be truly “human-centered” and to provide more accessible services for all citizens.

The Seoul Smart City Prize remains committed to promoting an innovative and inclusive smart city model predominantly driven by information and communication technology and AI. The core objective of the Prize is to address the needs of underprivileged groups and is structured around two distinct categories: Tech-InnovaCity and Human-CentriCity. The goal is to identify exemplary cases that embody inclusivity and commend them through the Seoul Smart City Prize with cities, companies, and institutions worldwide.

THEME

Fostering digital transformation through innovative and inclusive approaches for sustainable smart cities

PRIZE CATEGORY

Tech-InnovaCity

Projects that focus on integration of innovative policies and technologies in all sectors of society and domains ranging from mobility, safety, welfare, environment, energy, culture, and governance.

Human-CentriCity

Projects that are designed to prioritize digital inclusion in smart city development, thereby overcoming or mitigating the digital divide, and that aim to serve specific target groups among the citizen population, such as the elderly, youth, and the disabled.

Leadership

Individuals that have demonstrated leadership in developing or promoting the innovative use of technology and data to impact the lives of global citizens.

In addition to the above categories, **Special Mentions** can be given to projects selected by the Seoul Prize Organizing Committee based on the theme and criteria of the Prize.

ELIGIBILITY

Tech-InnovaCity Prize & Human-CentriCity Prize

- **Cities** Local and regional governments that have developed and/or implemented policies that align with one of the Prize categories

** Governments of all levels, including national, can be considered if the project or initiative targets a select number of cities and/or is deemed in line with the Prize objective by the evaluation bodies.*

- **Corporations** For-profit businesses in the private sector ranging from multinational corporation (MNC), small and medium-sized enterprises (SMEs) to start-ups, that have actively engaged and invested in one of the Prize categories
- **Institutions** Governmental and non-governmental institutions, associations and alliances, national and subnational public agencies, international organizations, as well as academic institutions, think tanks and universities, non-profit organizations that have designed and carried out projects that match one of the Prize categories

Leadership Prize

The Leadership Prize is open to individuals who contributed to bringing innovation and/or innovative application of technology and data, excellent use of technology and data that increased the quality of life of city residents, achieved significant impact (concepts, values, agendas, projects, products) on the smart cities industry or urban community, and has demonstrated collaborative effort and leadership to tackle urban problems through innovative approaches.

Nomination of individual candidates for the Leadership Prize can be made upon the candidate's permission, by submitting the Leadership Application Form to explain how the individual's achievements align with the Leadership Prize. While self-nomination is also permitted, individual candidates should approach potential nominator(s) for a letter of recommendation, which is included in the Leadership Application Form.

The eligibility of nominators and the requirements for self-nomination can be found in the Prize Guideline on the website (QR code on the back of the brochure).

EVALUATION CRITERIA

The criteria and indicators of Seoul Smart City Prize are carefully selected to capture both the current trends in smart city development as well as the respective stages of development, capabilities, and resources of each case.

Within Tech-InnovaCity, these criteria will be applied as whether the project either fits into the theme of technological novelty or transformative implementation of existing technology, is user friendly, has compatibility between legal rules and digital service, demonstrates Public Private People Partnership, and advocates for data security and ethics. **Within Human-CentriCity**, these criteria will be applied as whether the project aligns with the theme of accompanying the vulnerable, prioritizes service accessibility, implements new policy or deregulation when necessary, incorporates citizens' voices, and promotes data security and ethics.

The evaluation methodology aims to include the data collection and analysis process to input the indicators or variables that measure each city's circumstances or potential for growth into a theory-based statistical formula.

	Tech-InnovaCity	Human-CentriCity
Problem-Centered Innovation: Appropriate identification of policy problems	<ul style="list-style-type: none"> • Policy problem identification • National agenda relevance • Evidence inquiry about the causes of targeted problems • Citizen engagement in problem identification 	<ul style="list-style-type: none"> • Policy problem identification • National agenda relevance • Evidence inquiry about the causes of targeted problems • Citizen engagement in problem identification
Rational Process of Project Development	<ul style="list-style-type: none"> • Efficient technology application • Innovative technology application • Securing technology application • Rational process of project design • Evidence-based project design 	<ul style="list-style-type: none"> • Applying human-friendly solution/ technology • Rational process of project design • Evidence-based project design
Feasible Budgeting & Planning	<ul style="list-style-type: none"> • Feasible resource mobilization plan • Organization & staffing plan • Contingency plan 	<ul style="list-style-type: none"> • Feasible resource mobilization plan • Organization & staffing plan • Equity & diversity in organization & staffing • Contingency plan
Meticulous Project Implementation	<ul style="list-style-type: none"> • Participatory mechanism • Overcoming barriers to innovation 	<ul style="list-style-type: none"> • Participatory mechanism • Overcoming barriers to innovation
Effort to Learn & Improve: M&E Feedback	<ul style="list-style-type: none"> • Monitoring and evaluation • M&E feedback for project improvement 	<ul style="list-style-type: none"> • Monitoring and evaluation • M&E feedback for project improvement
Value Creation: Project outcome and effect	<ul style="list-style-type: none"> • Effects of the project • Efficiency • Spillover effect • Sustainability 	<ul style="list-style-type: none"> • Effects of the project • Human-centeredness of the main effect • Efficiency • Spillover effect • Sustainability • DE&I Contribution

Leadership	
Relevance to the Theme	<ul style="list-style-type: none"> • Technological Novelty • Creative and Innovative Application of Technology and Data
Impact	<ul style="list-style-type: none"> • Impact on the quality of life of citizens • Impact on the smart city field and community
Collaborative Effort	<ul style="list-style-type: none"> • Cross-sector Partnerships (PPP & PPPP - Public Private People Partnership) • Incorporation of citizens' voices
Communication and Engagement	<ul style="list-style-type: none"> • Campaigns, conferences, or other engagement efforts for knowledge-sharing and promotion of values • Effective use of social media to disseminate new ideas

Winners 2023

Tech-InnovaCity



Wellington, New Zealand

(Wellington Climate Change Adaptation Digital Twin)

This project layers a two-way engagement functionality with Digital Twin that allows communities to co-create community climate adaptation actions and exchange information and ideas with the Council.



Los Angeles, USA

(MyLA 311 Citizen Relationship Management System)

This system offers citizens easy access to over 1,500 informational topics with over 68 different service request types, ranging from pothole repair to annual Christmas tree disposal for Los Angeles residents.



Madrid, Spain

(Madrid Data Driven: City Intelligence)

This city model is hyperconnected and hyper-automated, in which data-driven service management improves its interoperability. All municipal services are interconnected in a shared data network and users interact with public administration while co-designing digital public services.



Abuja, Nigeria

(Smart waste management - optimizing municipal solid waste management leveraging digital technology)

The Smart Waste Mobile App increases the capacity of waste haulers to collect more municipal solid waste, extract more recyclables, cut-down carbon emission and discourage littering.



Almaty, Kazakhstan

(The Geoanalytics Platform)

An information system designed for city analysis, known for its comprehensive integration of diverse data sources, real-time processing, anonymized data, advanced analytics and visualization features for better urban dynamics.



George Town, Penang Island, Malaysia

(The Geoanalytics Platform)

This system integrates reality and virtuality to provide accurate mapping. It is a system that uses big data, real-time feed, IoT and AI.



Institution

Agencia Digital de Innovación Pública, Mexico City, Mexico

(Software Development Factory)

The Software Development Factory uses open source and public financing and 40 programmers who have contributed to the generation of more than 200 proprietary developments that provide effective solutions for the city.

Leadership



Mr. Uğur İbrahim Altay, Mayor of Konya, Türkiye

Uğur İbrahim Altay's leadership is highlighted through the recent earthquake disaster in Türkiye as he effectively utilized the smart city applications to alleviate the grievances of the residents, ranging from implementing the Solar Mobile Charging Station, which does not require any power source to meet emergency communication needs to installing satellite systems to provide internet access after the earthquake.



Sheikh Fazle Noor Taposh, Mayor of Dhaka South City Corporation, Bangladesh

Sheikh Fazle Noor Taposh has contributed significantly to the city's headway and well-being of the city residents. Through his vision and leadership, the city has effectively implemented innovation and data-driven arrangements to enhance good governance and urban adaptabilities. The utilization of the city's innovation includes intelligent activity administration frameworks and e-governance stages.

Winners 2023

Human-CentriCity



Odense, Denmark

(LEAP - Leadership, Empowerment, and Advocacy for the People)

LEAP has created a digital platform for increasing welfare in the future through digital citizen involvement by online questionnaires which are distributed via a national digital mailbox, and online public meetings.



Dublin, Ireland

(Academy of the Near Future (ANF))

This smart cities education programme builds engagement between local authority workers and citizens by providing workshops that assume no prior knowledge of technology and empower participants to tackle technological societal challenges.



Manila, Philippines

(Go! Manila)

This platform serves as an inclusive innovation agenda, enabling immediate access to vital government services and benefits, ranging from food, health, housing, education, to livelihood opportunities.



São Paulo, Brazil

(Accessible Services Network Map)

This network map makes public equipment accessible providing services to people with disabilities in S o Paulo by georeferencing through a virtual interface dimensioned to make the consultation and analysis process easier for people.



Da Nang, Vietnam

(Smart Trips Platform)

This digital platform is a smart city application ecosystem in Da Nang that integrates digital maps and sensor devices, GPS for the management and monitoring of various vehicles such as ambulances, fire trucks, garbage trucks, public buses, etc.



Luxembourg

(Digital Mandate (digital proxy) for the MyGuichet.lu platform)

This platform enables digital administrative procedures on behalf of another person on the platform and aims to be more inclusive by allowing the elderly, disabled, and people who are often overwhelmed by the digital requirements.



Institution

Korea Institute of Civil Engineering and Building Technology,

Seoul, South Korea

(Establishment of Vietnam-Korea Cooperation Center for Smart City and Construction Technology)

The center will focus on developing Smart City Certification (SCC) guidelines, setting up a technology exchange exhibition hall, showcasing pilot projects and master plans for smart cities, implementing capacity-building programs, and installing advanced educational equipment.



Corporation

One Smile Foundation, Yokohama, Japan

(A smile turns into a donation! Project to visualize and improve the well-being of the city)

Using smile recognition technology in IT sensor devices, such as security and surveillance cameras, one smile that equals one cent is donated based on the number of daily smiles. This initiative serves as an alternative method for people who cannot answer traditional well-being surveys, such as preschool children, medically ill, and people with disabilities.

Special Mention



IMD

Abu Dhabi, UAE

(Smart Parks using IoT Platform)

The Smart Park's IoT Platform gathers and analyzes real-time data such as the number of park visitors, the energy savings generated by the smart lighting system, and automates the processes of the park by setting predefined actions with specific triggers such as the increase in soil moisture will trigger the opening of irrigation devices.



IMD

Madinah, Saudi Arabia

(City Living Museum)

This program creates a comprehensive and immersive experience for residents and visitors that seamlessly integrates cultural, historical, and contemporary elements. The program serves as a crucial link between the public and the resources and services available within the city, ensuring an enriching and accessible city living experience for all.



GGGI

Kaohsiung, Taiwan

(Kaohsiung Agrinfo Platform)

Designed to support farmers confronted by potential disasters from extreme climate change, the platform collects over 4,700 agricultural surveys per year, with an hourly disaster prevention warning analysis of over 62 crops, and provision of a visual presentation of agricultural information in over 200 locations in the city.

PRIZE FOR WINNERS

The winners of the Prize will be given the following prizes:

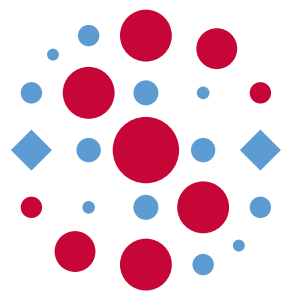
- Awarded at the Seoul Smart City Prize Ceremony 2024
- Appointed winners will be invited to Seoul Smart City Prize Ceremony 2025 as one of the Award presenters
- Appointed winners will be given an opportunity to share and promote the winning project in various global stages including a capacity-building training program, a dedicated exhibition booth and speakerships at international events
- Among the winners, selected projects will be given an opportunity to collaborate on a smart city project implementation on various models such as feasibility study with funding secured for assistance
- Gain global publicity via official website, publication, press releases, and media channels

APPLY HERE www.seoulsmartcityprize.com



TIMELINE 2024





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Seoul Smart City Prize Organizing Committee

info@seoulsmartcityprize.com

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