Seoul to share with the world!

Seoul Public Housing & Architecture







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We dream of a city where no one has to worry about housing and all can live in a safe and pleasant environment.





The Seoul Metropolitan Government

has continued to supply public housing and improve the system of urban infrastructure since 1948, and rebuilt livelihoods in a city severely damaged by war. It achieved a housing distribution rate of 103,8% (3.6 million units) by 2014, with 6.4% (230,000 units) consisting of public rental apartments. Now, the City of Seoul is stepping up its efforts to increase the supply of public rental housing and create a safer, more pleasant living environment.

Seoul Public

Housing & Architecture

Vision

Housing welfare that allows everyone to peacefully and affordably live in the city

Greater stability through public housing services
Stronger housing welfare system to ensure citizens' rights to residence

Greater supply of affordable public rental housing

- Public rental housing tailored to the needs of the tenants
- Variety in public rental housing, ranging from apartments to detached building units

Creation of sustainable living environments through collective housing management that cares for diverse lifestyles in communities

Enhancement of people's capacity to maintain their own dwellings
Support of a system where diverse parties manage housing units as a unified body

Building a healthy and well-operating architecture culture, collaborating with city residents to strengthen the city's competitiveness

- Construction of stable buildings that consider environmental and architectural values
- Development of a culture of building that citizens can enjoy and relate to



Rehabilitate safe, happy urban spaces

Safe spaces for daily life, including an urban space dedicated to the wellbeing of citizens, and a rehabilitation of urban sustainability.







Create comfortable, creative architectural and spatial environments

Creative design and urban planning, efforts to improve the architecture service industries, and augmented creation of green architecture and landscaping.

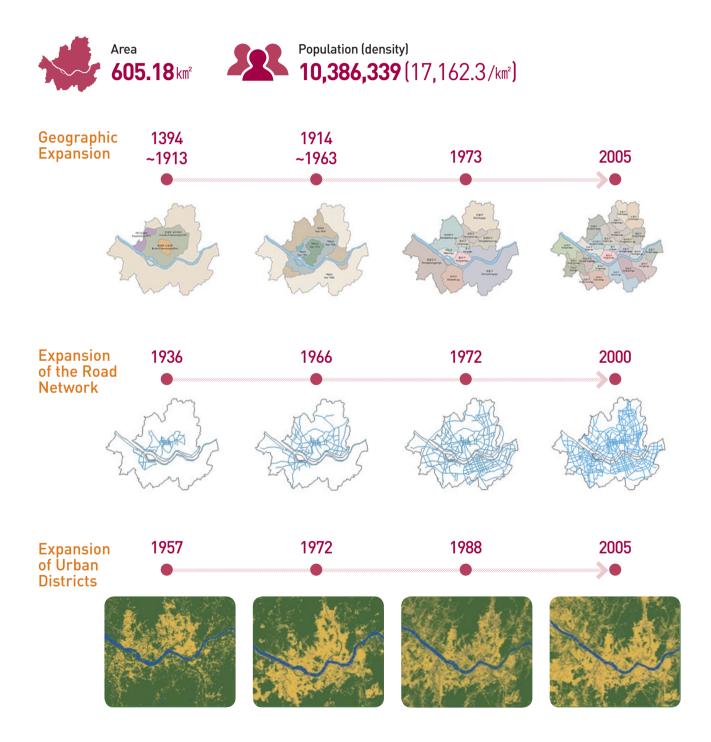


Realize an open and urban culture for citizens

Promotion of a unique historical architecture culture (Hanok etc.), establishment of a harmonious foundation for urban cultures and building in which citizens participate and thrive, and better spatial planning for pedestrians.



Overview of Seoul



Trend in the Distribution of Housing



The provision of housing as compared to the need for housing has improved drastically over the past 20 years. In Seoul, it increased from 69% in 1996 to 103.8%, owing mainly to the supply of high-rise apartment houses. Public and private high-rise apartment houses have been supplied in large quantities since the late 1960s, and the volume of architecture has continued to increase. In 2005, high-rise apartment houses made up more than 50% share of all housing. By 2014 the share had climbed to 59%, making high-rise apartment houses the most typical type of housing in Seoul.

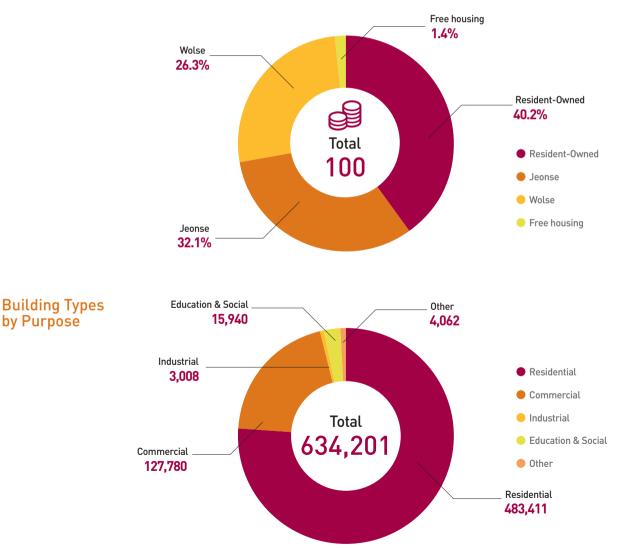
After the achievement of quickly satisfying the quantitative demand for housing, the Seoul Metropolitan Government (SMG) is now refining the focus of its policy to further improve living quality.





Residency by Occupancy Type

40.2% of Seoulites privately own their housing, while 32.1% live in jeonse (depositbased rental) units and 26.3% in wolse (monthly rental) units. Jeonse is a rental system unique to Korea, where the tenant puts down a certain amount of money as a deposit for the rental period, which is fully returned upon expiration of the rental agreement. The landlord uses the deposit, usually a large sum of money, to gain interest or make other investments. However, as a low interest rate environment has prevailed in recent years, a dramatically greater number of landlords are shifting away from jeonse and towards wolse. The share of jeonse is gradually decreasing and housing security is weakening, as a greater number of tenants are now burdened with increasing housing costs. In response to this trend, the SMG is introducing a variety of policies aimed at supplying more public rental housing units, in a bid to safeguard housing for lowto middle-income earners.





⁰² History of Public Housing & Architecture in Seoul



<u> 1950s</u>

A time of rapid change.

1945 : Administrative name of Kyongsung-bu was changed to Seoul-si

1949 : Seoul-si became Seoul Special City Urban administrative area expanded.

<u>1960s</u>

A key city in a time of accelerating growth and development.

The economic growth shaped the early stages of a modern city.

Promotion of the 1st and 2nd 5-Year Economic Development Plans (1962 ~ 1971) Rapid industrialization, urbanization and concentration of population

1963 : Urban planning area expanded.

Establishment of related laws

- Jan. 1962 : Architecture Act, governing individual buildings and architecture guidelines.
- **Dec. 1963** : Architecture Expert Act, requiring the issuance of national licenses to architecture experts.



<u> 1970s</u>

Transformation into a modern city.

High-rise office buildings started to spring up in the city's business and commercial centers, as part of redevelopment projects.

and Seoul became a metropolis with many satellite cities.

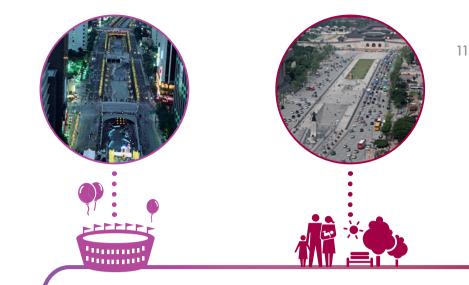
Satellite cities appeared, such as Bucheon, Euijungbu, Sungnam, Anyang, Banwol, Gwangmyeong.

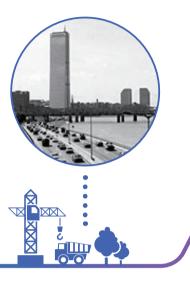
Gangnam and Gangbuk, south and north, respectively, of the Han River, became the largest geographical identifiers for Seoul areas. Sub-centers formed, such as Cheongnyangni, Miali, Youngdeungpo, Cheonho-dong, and Young-dong. The Gangnam area developed increasingly.

1974 : Launch of Subway Line 1, consequently the main mode of public transit shifted from bus to subway

Establishment of related laws

• Jan. 1973 : House Construction Promotion Act (Housing Act), addressing housing shortage.





<u>1980s</u>

Building Seoul to become a truly international city.

Construction boom and urban sprawl led to challenges for city planning. Large-scale housing sites began to be developed. The city became more well-known internationally for events, design and global competitiveness.

1986 : Asian Games held in Seoul

1988 : Summer Olympics held in Seoul

Establishment of related laws

- July 1983 : Seoul Metropolitan Area Readjustment Planning Act, organizing the Seoul Metropolitan Area through appropriate dispersal of excessively concentrated population and industrial areas.
- Jan. 1985 : Public Rental Housing Construction Promotion Act (Public Rental House Act → Special Act on Private Rental Houses), ensuring housing security for households unable to afford housing prices.

<u> 1990s</u>

Seoul Metropolitan Area emerged.

<u>2000s</u>

A time of heightened local autonomy for the city.

Urban policy shifted increasingly from traditional development to integrating sustainability in key planning efforts.

July 2000 : The SMG established the first Urban Planning Ordinance in Korea.

2002 : The political foundation for an ecofriendly metropolis was established, with the co-hosting of the FIFA World Cup.

The Cheongye Stream Restoration Project was implemented.

Establishment of related laws

- Jan. 2000 : Urban Development Act, comprehensively and systemically developing urban areas by integrating and supplementing urban planning projects under the Urban Planning Act and the Land Readjustment Project Act.
- Jan. 2003 : National Land Planning and Utilization Act, preventing unorganized development and promoting a system of eco-friendly use of national land, through designed and systematic land use.
- July. 2003 : Act on Maintenance and Improvement of Urban Areas and Dwelling Conditions for Residents, organizing run-down areas and renovating old, deteriorating buildings in an effective way.
- July. 2004 : Act on Special Measures for Construction of National Rental Houses (Special Act on Public Housing), increasing the supply of public rental houses.
- July 2006 : Special Act on the Promotion of Urban Renewal, promoting redevelopment of old city sections. June 2008:
- June 2008 : Framework Act on Building, improving values and standards in architecture.

<u>2010s</u>

Becoming a top 5 global metropolis.

Area plans, such as the Downtown Recreation Project, the Hangang Renaissance and Northeastern Area Renaissance, Yongsan International Business Area, Magok Area, and Sangam DMC Development Project are developed. Seoul continues to excel as an attractive global city, which at the same time retains its identity as a historical and cultural city.

Establishment of related laws

- Feb. 2013 : Green Building Creation Support Act, raising awareness of ecological building techniques.
- **Dec. 2013** : Special Act on Promotion and Assistance in Urban Renewal, promoting healthy, sustainable management of urban residential, economic, social, and cultural environments.
- June 2015 : Act on Promotion of Building Assets, recognizing buildings such as Hanok, as public goods.

Seoul, ready to share with the world? Seoul Public Housing & Architecture

Efforts in Housing Supply

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Planning Large-scale Housing Complexes (Establishment of SH Corporation & Housing Case Studies)

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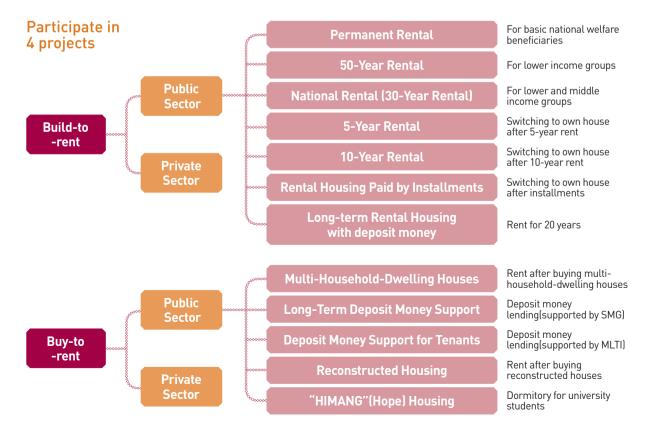
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^{ol} Corporate Overview

	Founded on Feb. 1, 1989 to construct 400,000 housing units in Seoul city under the central government's "Construction Plan of 2,000,000 Housing Units".		
 Purpose of Establishment Provide stable living conditions through urban development regeneration projects 	 Provide stable living conditions through urban development land 		
Business• Acquisition, development and supply of LandScope• Construction, supply and management of housing• Urban regeneration• Urban regeneration• Foreign construction projects, etc.			
 Feb., 1989 Foundation of the Seoul Metropolitan Urba Development Corporation (389 employees) Mar., 2004 Change of Company Name to SH Corporation Nov., 2014 Chang-Heum Byeon takes office as the 13th president 			
Capital 5.2 trillion Won (4.4 billion USD)	Contribution in Kind 1.7 trillion Won (1.5 billion USD)		
Employees 711 people			
4.5 trillion Won (3.8 billion USD)			
9.3 trillion Won (7.8 billion USD) 5.3 trillion Won (4.5 billion USD)	Annun un anno		
6.2 trillion Won (5.2 billion USD) (4.7 billion USD)	4.5 trillion Won (3.8 billion USD)		
2011 2012 2013 2014	2015		

⁰² Main Businesses





Housing Management and Housing Welfare

Urban

Regeneration

- Manage 171,503 rental housing units over 407 complexes and operate 11 housing welfare centers
- Build a platform for Seoul citizens' housing welfare through housing welfare centers
 - → Operate employment, counseling and rehabilitation programs
- Participating in 4 projects
- Enhance quality of life and improve urban environment by pre- planned urban maintenance





Energy Supply & Renewable Energy

- Operate two cogeneration plants in Mokdong and Nowon : Supply heating to 251,537 housing units and 265 buildings
- Build "Energy zero house" to cope with global climate change
 : Fossil fuel(petroleum, coal) → Alternative fuel(solar energy, terrestrial heat, etc.)
 : Install 20,000 solar energy facilities in housing complexes until 2018
- Hong River Development Project in Vietnam(2008)
- Public Housing and Urban Regeneration Projects Cooperation withTaipei City(2015)

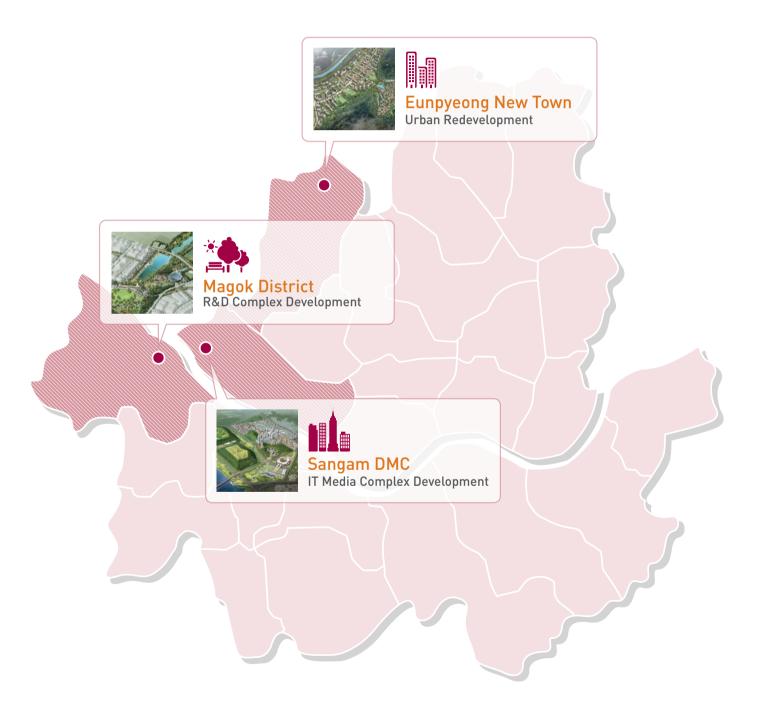






Overseas Business

⁰³ Three Best Projects



Magok Smart City

Magok, the center of the southeastern region of Seoul, is aiming to create greater future values as future-oriented, self-contained complex that reflects the paradigm of the new era.





Convergence

of cutting-edge technology

and industry

Gateway Town to Northeast Asia

 Business Hub
 Base of a new economy where both large and small businesses thrive in a win-win situation

 Gateway town
 Center of international exchanges in Northeast Asia

 Specialized Town
 Specialized downtown fostered with professionalism and creativity



Creative Core Commercialization is possible at every step from the development of technology to manufacturing and consumption

Leading Frontier Leading pioneer of the convergence industry, guiding the future economy of Seoul

New-Industry Incubator Eco-system of knowledge industries, serving as a base for the foundation and growth of enterprises

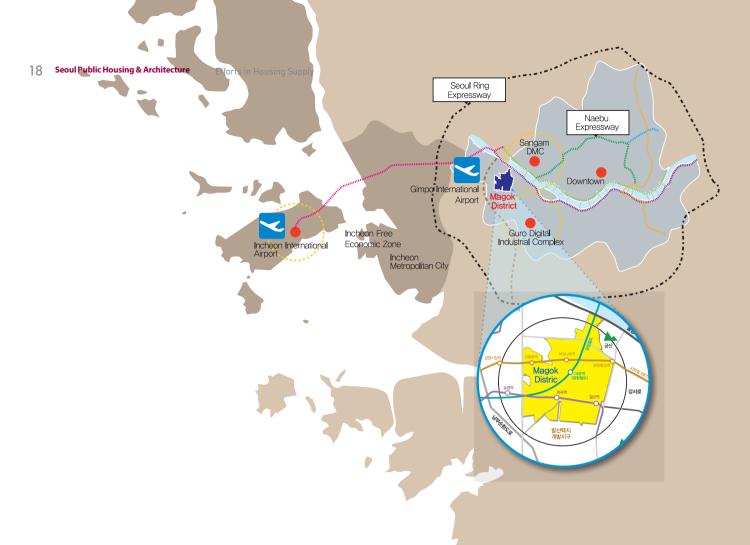


Green town of the future

Pedestrian & Bicycle Friendly Town Well-established infrastructure for pedestrian and bicycling

Botanic Gardens A garden town that strikes a harmonious balance between technology and sensibility, production and life, and nature and industry

Living Laboratory A green benchmark town built with eco-friendly, new & renewable energy tech



Overview

- Location : Magok-dong & Gayang-dong, Gangseo-gu, Seoul
- Area : 3,665,722m²
- Developer : SH Corporation.
- Infrastructure construction : Dec 2007 ~ Dec 2016

Overview of Each Site

Classification		Area(m²)	
	Total	3,665,722	
٠	For industrial facilities	729,785	Industrial Complex
٠	For support facilities	81,326	
• •	Business & commercial area	388,660	
٠	Residental area	595,340	
	Infrastructural facilities	1,870,611	





Residential Area

Area Designated : 595,340 m²

• 16 complexes with 12,015 households

Developmental Direction

- Improving the design of apartment buildings to make them harmonize with the surroundings
- Designing energy-efficient housing and expanding community facilities
- Fostering a large residential area that blends well with other adjacent apartment complexes



Business & Commercial Complex

Area Designated : 388,660 m²

Developmental Direction

- Taking the lead in the Northeast Asian economy
- Establishing a hightech business hub in connection with advanced industrial clusters
- Growing as a commercial hub based on convenient transportation



Industrial Complex

Area Designated : 1,110,805 m²

- For industrial facilities : 729,785m²
- Site area for applied facility: 81,326 m²

Developmental Direction

- Introducing futuristic research centers based on the conversion of high-end technologies (IT, BT, GT, NT)
- Fostering an industrial ecosystem where large and small enterprises coexist
- Building global R&D clusters



Safe City

- Smart CCTVs are installed in the schools, parks and streets of residential areas. Police at the control tower will be immediately informed of emergencies to ensure a prompt response.
- The water levels of storm drains and sewers are monitored in real time for the purpose of detecting and handling regional torrential rains promptly. Main roads are observed by an image surveillance system in order to prepare for disasters.



Convenient City

- Smooth traffic flow and real-time traffic information are provided to citizens.
- Road traffic information including detours, bottlenecks, accident spots, intersections and areas of congestion will be collected and edited in real time, and provided in connection with the Seoul Transportation Operation and Information Service.
- Illegal parking will be monitored and controlled in main commercial areas, congested roads and alleys.



Information City

- The high-speed broadband ICT infrastructure is built by laying communication cable ducts and optical fiber cables throughout the whole of Magok Smart City and connecting installed facilities with an integrated control center.
- CCTV, water level measurement devices, and sensors of facilities are installed for communication with the control center.
- Free wifi service is available within 50~100 meters radius of parks, subway stations, bus or taxi stops.

Urban Redevelopment Eunpyeong New Town



Before Development



After Development

- Location and Area : Eunpyeong-gu/ 3,492,421m²
- Developer : SH Corporation
- Development Period : 2002 ~ 2016
- Project Cost : 4.7 trillion won(3.9 billion USD)
- Housing construction: Total 17,464 units(Sale: 10,550/ Rent: 6,914)

P	roj	ject
Η	ist	ory

Project Overview

- 10. 2002 Announcement as a New Town Development Model Area
- 02. 2004 Eunpyeong Development Plan Official Notification
- **08.2005** Apartment Construction Start
- 11. 2007 Apartment Sale

Main Development Features



Resort-Type Housing Development

- Building rural-eco city as inner-city resort by using surrounding natural conditions
- Creation of different types of housing : Courtyard type, roadside type, tower type, terrace type, etc



Korean Traditional Housing Construction

- Area: 36,150m²(95 lots)
- Urban Korean traditional housing model presentation



Incineration Plant

• If garbages are put into a drop hole, they move through transport pipelines and into incinerator automatically



Smart City

- Creation of CCTV, wireless & wired networks and integrated control center
- Operation of security CCTV systems, U-Home Information provision service, illegal parking crackdown service, digital library system

IT Media Complex Development : Sangam DMC(Digital Media City)



Nanjido Landfill



Ecological Parks

Project Overview

Project History

- Location and Area : Mapo-gu/ 1,697,888 m²
- Developer : Seoul City, SH Corporation
- Development Period : 1998 ~ 2014
- Project Cost : 0.4 trillion Won (0.3 billion USD)
- Housing construction : 5,271 units (Sale: 3,611 / Rent: 1,660)

• 06. 1998	Development Plan Official Notification
• 11. 2000	Apartment Construction Start
02. 2001	Digital Media City Masterplan Established
05. 2003	Apartment and Lot Sale
• 11. 2014	Completion of Construction

Main Development Features



DMC Media Industry Complex

- Area : 337,000 m²
- Promoting IT industry, digital media and entertainment industry
- Tenants
- : MBC, CJ E&M, YTN, Samsung SDS, LG CNS, National IT Industry Promotion Agency, etc.



World Cup Park

- Area : 3,471,090 m²
- 5 theme parks
 : Peace park, Sky park, Sunset park, Nanjicheon park, Nanji Hangang park
- Over 9.8million visitors in a year



Rental Housing for foreigners (DMC Ville)

- Area : 9,313m²
- Capacity : total 175 units, 30,535m² floor area
- Available to foreign residents in Seoul



DMC R&D Center

- Area : 3,367 m²
- Capacity : over 50 tenants, 29,760m² floor area
- Provide office space for (foreign) businesses with R&D projects



High-Tech Industry Center

- Area : 17,070 m²
- Capacity : over 225 tenants, 77,191 m² floor area
- Provide tenants with spaces for manufacturing facilities

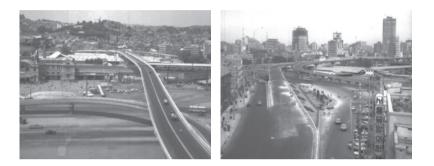
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Development of a Sustainable City



Keeping Cities Vibrant and Healthy through Urban Regeneration

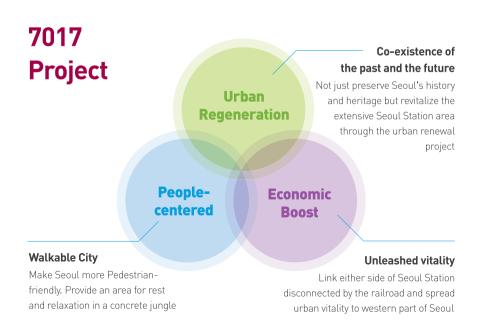
^{ol} Urban Regeneration —Seoul Station Overpass



Regenerating an old, deteriorating overpass into a pedestrian-oriented space.

• Designer: Winy Maas (the Netherlands)

The Seoul Station Overpass will evolve into a walking tour network of '17 Paths for People.' These 17 Paths for People, whose layout will resemble spreading tree branches, will attract people to walk therein, with each and every step helping to revive and rejuvenate the surrounding areas.



Built in 1970, the Seoul Station Overpass will be reborn in 2017 with 17 pedestrian pathways decorated with 645 round flowerpots and interspersed with 18 convenience facilities and areas for people to relax.



Toward jungnim-dong Install a branch-shaped passage linking the walkways and jungnim-dong



Rose Garden Plant many varieties of continous bloom roses and use the square an an event hall or a rest place



Elevator at SeoulStation Square Install an elevator next to the Seoul Station police box providing assess to the walkways



Malli-dong Park

Turn former parking lot for garbage trucks into an area for rest and relaxation

Toward Cheongpa-dong

Install stairs leading to Cheonpadong and crosswalks linking Seoul Station's western entrence and Malli-dong Park



Escalator and Elevator on Road to Toegye-ro

Floor Plate

Install an escalator and an elevator on the road to Toegye-ro, linking the underground, the road and the overpass

Preserve the old overpass rail

designated as cultural assets



Connectiong to Hoehyeon Subway station

Provide direct access to and from the overpass and Hoehyeon Subway Station with an elevator

Connecting to Hanyangdoseong

남대문경창

Install an elevator leading to Namsan Flyover connecting the overpass to Hanyangdoseong and Namsan

Observatory

Installing an observatory at a magnificent view point

耕



Seoul Sation Square Renovation

Spread urban vitality to neighboring areas from Seoul Station which is Frequented by 390,000 citizens every day



Conncting to surrounding buildings

Connect the overpass and surrounding buildings to enhance accessibility

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Diversification of Rental Housing Supply



Additional rental housing is made available according to the needs of different tenant types rather than simply focusing on rental housing for low-income earners

만리동 예술인 협동조합주택

Background

Growing number of micro-families:

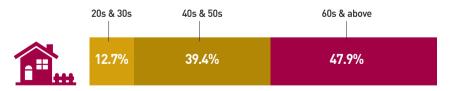
sharply increased inflow of young people and growing cost of housing for newlyweds



In the past 10 years, Seoul has seen a rapid increase in the number of young students and job-seekers in their 20s. Meanwhile, married couples in their 30s have left Seoul in greater numbers than those in other categories, as it is difficult for them to find housing suitable for their stage of life. Many of those in their 40s and 50s and looking for larger living spaces as their children grow, have also given up on living in Seoul and have moved to the satellite cities, due to the high cost of housing within the capital.

Few young people able to move into public rental housing

Share of households in public housing by age: 20s & 30s (12.7%), 40s & 50s (39.4%), 60s & above (47.9%)



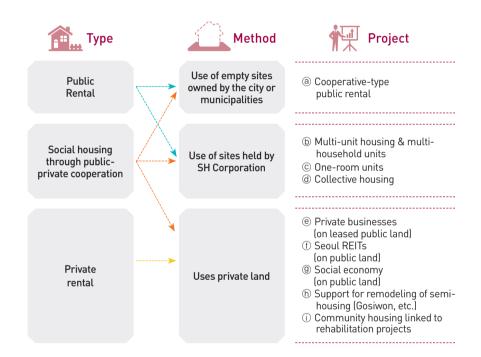
Limited supply of large-scale public rental units through housing site development

Public rental units have become less available through large-scale development as housing sites became scarce.

Supplied more 'Seoul-style Social Houses' as demand diversified and the government could not continue increasing the supply.

Seoul—style Social House (=Community House)

Housing with a community area, which encourages meaningful community through common dwellings, resolves various problems in daily life, and secures housing at an accessible price.





House of theatrical people

Malli-dong artist co-op

Munjeong-dong public rental house

(a) Cooperative public rental

Tenants form a cooperative by contributing equity therein, and the cooperative independently plans, builds and manages the cooperative public rental housing. (In other occasions, tenants of public rental housing do not make equity contributions - qualifying applicants become members of a cooperative that maintains the housing.)

b Multi-unit housing & multi-household units

Under this program, the SMG buys (through SH Corporation) existing housing and supplies it according to consumer characteristics. Borough offices secure and supply housing according to local characteristics and housing demand, such as the existence of many newlyweds, families with infants, working youth, senior citizens

living alone, business start-ups, etc.

Houses for the vulnerable

To raise the residential settlement rate houses with community space and welfare support facilities are provided to socio-economically vulnerable groups who live in non-residential buildings, such as jjokbang or gosiwon over a long period.

Hope House for university students

To resolve housing problems faced by university students, community housing with common living spaces are supplied.

© One-room units

A program designed to supply public studio apartments, convenient and safe, to small households of 2 or 3, university students, and those living in unconventional residential environments.

(d) Collective housing

The SMG supplies consumer-oriented public rental housing for newlyweds, university students and new graduates at affordable rental rates.

Private businesses (on leased public land)

If a private developer submits a rental housing project plan which aims at developing on land owned by SMG or SH Corporation and is able to guarantee that the plan will benefit the public and be in harmony with the characteristics of the hosting community, a review will be given. If the plan is accepted, the public land will be leased for a low price to that private developer to supply housing to the community.

① Seoul REITs (on leased public land)

REITs (Real Estate Investment Trusts) have been introduced to tap into private financial resources, as a part of the plan to increase the supply of community housing. SH Corporation plays a leading role in establishing and managing REITs that provide rental housing, to ensure development projects focus on benefiting the public.

SH Corporation receives investment from the private sector to build rental housing, and pays investors dividends from the profits generated through asset management. The public sector ensures that rental housing will continue to benefit the public by leasing out the public land over the long term, or taking responsibility for follow-up management.

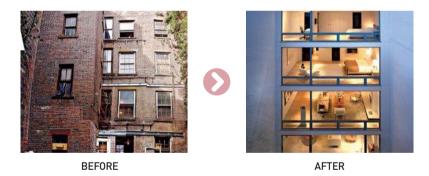
(9) Social economy (on leased public land)

Cooperation between the public and private sectors helps to address the housing needs of youth and low-income earners.

Similar to Type E in that social housing which guarantees affordable rent and stable rental periods is provided to the younger generations and low-to middle-income earning households. However, Type G housing is developed by an entity related to the social economy, rather than simply in the private sector.

(b) Support for remodeling of semi-housing (Gosiwon, etc.)

With this program, the SMG is providing stable housing conditions by purchasing or leasing old or vacant non-residential facilities (such as gosiwon and motels, often used for residential purposes by vulnerable parts of the population), remodeling such facilities, and renting them as public rental houses for accessible prices and periods.



O Community housing linked to rehabilitation projects

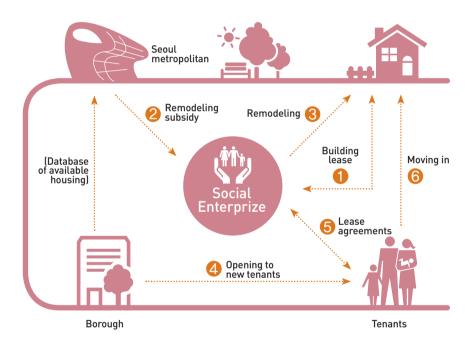
Under this program, community housing in areas designated for urban rehabilitation is provided to encourage artists, creative workers, and the youth to move in.



⁰² More Alternative Rental Housing Options

Remodeling of vacant units

The SMG subsidizes remodeling (50%, up to KRW 40 million) of detached, multi-household units or multi-unit housing with 3 or more rooms into housing with improved living conditions, and rents them out at 80% or less of market rates for a minimum 6 years.



Many generations under one roof

This co-habitation program connects the elderly (who have vacant rooms in their houses) with college or graduate school students in need of rooms. The elderly offer their unused rooms at lower prices and the students pay a low rent and provide help with daily work or care services. The cost of rental under this program is no greater than KRW 200,000 per month – the SMG provides a subsidy for improvement of living conditions (up to KRW 500,000), and the rental is for 1 year.

Modular housing

With this new house-building method all or some major structural parts of a house (basic frame, electrical wiring, floor-heating, etc.), are pre-fabricated and assembled on site.

Advantages

- Shorter construction periods than for concrete buildings (about 50% less on average), at lower construction cost through mass-production
- Houses can be recycled and produces only 1/3 the waste of concrete buildings when torn down
- Modular houses can be built in uniform quality, with less need for highlyskilled construction workers

Construction Process

- Simultaneous commencement of site preparation and module production This fast-track process shortens the construction period.
- Construction of Cheongdam Muto was completed in 45 days (including 3 days for module assembly).



⁰³ Improving Living Conditions for Low-income Earners

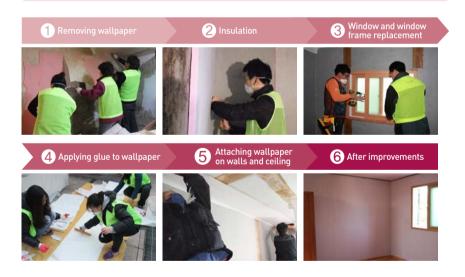
Home Improvement of Hope A project that improves living conditions (replacing wallpaper and flooring, etc.) for low-income earners who are unable to find alternative residence due to financial difficulties. Savings can be realized on living costs as better insulation, such as from new doors and windows, improves energy efficiency.

Beneficiaries

Households that earn 60% or less than the median income (and no more than 150% of minimum cost of living).

Elements subject to improvement (13 items):

Wallpaper, flooring, insulation, doors, waterproofing, eaves, window frames, kitchen sinks, sinks and toilets), ceiling, (bathroom and kitchen) tiles, painting and electrical work.



Jjokbang* Remodeling

Jjokbang means an affordable housing below minimum standards for the poor. It is cheaper than other affordable housings because there is no bathroom, kitchen and toilet. Jjokbang remodeling is a program designed to provide minimum residential conditions for jjokbang residents, most of whom are socially neglected people. Most jjokbang are old, structurally unsafe and offer almost no personal security. Since most of them are also unlicensed and unregistered, it is extremely difficult for an administrative institution to intervene. Though they are sub-standard housing, jjokbang serve as a form of housing that the socially neglected can afford. Thus, the SMG decided to improve their spatial environment, to provide safer conditions for occupants.

Jjokbang Remodeling at Yeongdeungpo-gu

Project implementation

- A private building improvement project under business agreements between private and public parties.
- Parties: SMG, Yeongdeungpo-gu Office, Gwangya Church and building owners
- Craftsmen from a variety of disciplines voluntarily donate their time and skill and social enterprises participate to create jobs for the socially neglected.

Project sites

- Address: 422-63 Yeongdeungpo-dong, Yeongdeungpo-gu and surrounding area
- Number of targeted jjokbang units: 441

Temporary accommodation for jjokbang residents

- Address: 411-28 Yeongdeungpo-dong, Yeongdeungpo-gu
- Building: 3-storey buildings with total floor area of 535.35 (30 bedrooms, community center, etc.)

Project phases

Formation and operation of project implementation group

- Goal: Build a system of public-private cooperation for successful project implementation.
- Participants: SMG, Yeongdeungpo-gu Office, Gwangya Church, public and private construction designers, SH Corporation, and various social enterprises.
- Organization: 3 departments under a project head, with an appointed private expert.
- Operation: The group meets weekly to discuss the progress of the project.

The SMG received the Sir Robert Matthew Prize from Union Internationale des Architects (UIA) in 2014, for its improvement of residential environments through the Yeongdeungpo Jjokbang Remodeling Project. Before improvements







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Expansion of Residential Support System

The SMG operates an organization dedicated to improve residential spaces and provide a variety of services to create safe, pleasant living environments.

Comprehensive Support Center for Social Housing

This organization serves to support a large number of social housing units. The Center aims at supplying community housing tailored to housing demand.



Main roles

- Examining residential conditions of low income earners
- Identifying and managing resources, such as a housing and site inventory, to improve residents' socio-economic conditions in the long term
- Identifying actors and entrepreneurs in the social economy related to housing and support services.
- Creating and implementing plans to support the social economy players related to housing, and evaluating outcomes of these plans.
- Creating networks between these social economy players and low income residents

Residential Welfare Support Centers

This organization is dedicated to providing information on residential welfare projects to vulnerable groups. of residents. It also manages case examples, organized under the Basic Ordinance on Residential Welfare from the SMG. Currently, there are 8 Centers in Seoul, with 2 more expected by 2016.



Main activities

- Providing information and managing residential improvement
- Helping protect residents' rights in residential improvement projects
 Providing various services related to delivery of residential improvements
- Offering residential improvement training to residents
- Developing and implementing sustainable projects

Jeonse and Wolse Deposit Support Center

The Center aims at better protecting the rights of tenants by resolving conflicts with landlords, such as providing information on housing rent issues and loans, arbitration, legal remedies, etc.

- The Center provides consultation on: general issues related to the Housing Lease Protection Act, opposing rights & rights to preferential payment, rental agreements and renewal, property maintenance, rental adjustments, etc.
- The Center provides temporary arbitration for disputes between tenants and landlords related to housing repair. The Center's dedicated lawyers and arbitrators quickly resolve problems related to mildew caused by water leakage and frozen and ruptured pipes from old boilers.
- For the first time in Korea, SMG is offering two types of loans designed to assist tenants when they must move out: Loan type 1 is of an amount equivalent to the deposit tenants paid to their existing landlords, allowing tenants to move into their new place even if their existing landlords fail to return their deposit upon lease expiry, leaving the tenants without enough money to pay the deposit required for their new rental housing; and Loan Type 2, which works as a bridge between the dates of moving out and moving in, which is drawn before the existing lease period expires from a fund established by SMG.

100

Efforts to Manage Individual Buildings

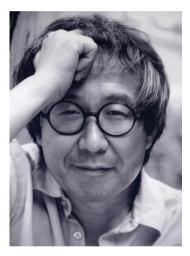


Enhancing an urban culture that ranges from improvement of residential environments to proactive management of spatial planning.

Background

The SMG seeks to improve the architecture culture that has, up to now, been solely based on meeting the demands of rapid economic growth. As more and more citizens began to demand buildings that benefit the public and contribute to sustainable living and cultural spaces, the SMG introduced the Master Architect and Public Architect systems to turn public buildings into integrated urban spaces.

OI City Architect of Seoul



1st City Architect of Seoul, Seung, Hchioh-Sang

City Architect of Seoul system was introduced in 2014 to improve public architecture and urban environments in Seoul and to create a more citizenoriented urban planning.

The roles of a City Architect include:

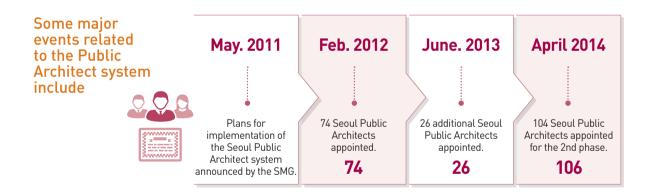
- Advising on policies related to architecture and urban design
- Advising on plans and basic designs for buildings, spatial environment projects, urban development projects, etc., commissioned and developed by the Mayor
- Advising on plans and basic designs for projects on development of urban planning facilities or sites for public facility relocation
- Providing expert advice on designation of architecture design model projects and their execution
- Exchanging information with public architecture experts and building cooperative systems with such experts
- Other issues as requested or deemed necessary by the Mayor

⁰² Seoul Architects

The SMG has introduced the Seoul Architects system to strengthen the city's competitiveness by making sure its architecture and spatial environments benefit the public and to identify and develop architects that are young, new and have original ideas. The Seoul Architects system was adopted as the perception of buildings has shifted from being seen as private property and products of technology to a modern image of public utilities and cultural products. Both rising architects aged 45 or younger and MPs, who establish master plans for improvement projects, are referred to as Seoul Architects.

Role

- The roles of a Seoul Architects are: designing buildings for public institutions, giving expert advice related to design, and working as an intermediary in the design process.
- Participating in designated open-design competitions for small-scale public architecture projects (valued at KRW 100 million or less).
- Suggesting guidelines and providing advice on improvement plans(redevelopment, reconstruction or new town).





The Hole at University of Seoul

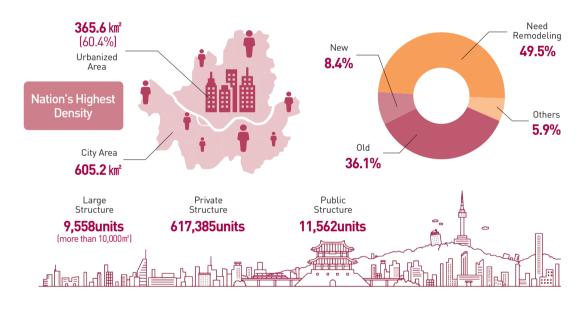
Majang-dong Community Service Center

Dodam Nursery

⁰³ Green Building

Climate change has significant impacts on the urban environment. As international climate change treaties are ratified and executed, Korea has declared that it will reduce its Business-As-Usual activities by 37% by 2030. The SMG is cooperating with the nation's efforts to actively respond to climate change, through capacity building and implementing actions in the area of construction.¹

When looking at the status of construction in Seoul, 60.4% of the city comprises built-up areas, making Seoul the dense city in the nation. Of the total 630,000 buildings in the city, 49.5% require remodeling.



The SMG

- aims at gradually strengthening design standards for new buildings, in support of zero-energy Building²
- actively promotes management of green building performance and raising efficiency of existing buildings at low cost³
- plans to build a public-private model of green building promotion using excellent private infrastructure.

¹ Business-As-Usual : Estimation of greenhouse gas emissions scenario without reduction targets.

² Zero-energy Building : The practice of constructing buildings that use a minimum amount of energy, by maximizing insulation performance, reducing energy consumption and generating energy with new and renewable energy sources.

³ "Green building": A building that 1) is highly energy-efficient, 2) uses more new and renewable energy than conventional buildings 3) emits minimum amounts of greenhouse gases ([1] through 3) as stipulated in Article 54 of the Framework Act on Low Carbon, Green Growth) and 4) makes a minimum impact on the natural environment while providing a pleasant, healthy residential environment.

For the Vitalization of Green Buildings Promotion of Seoul **Green Building**



Creating a Healthy Seoul, For Citizens Through Seoul's Green Buildings



Pioneers in the Green Building Sector Seoul's Landmark Green Buildings



Promotional Facility Seoul Energy Dream Center



• Location : Mapo-gu Sangam-dong Gross Area : 3,762m² Floors : 3 Floors/1Basement Floor Certification Date : 2012

Rating : Green Level 2 Primary Energy Consumption : 53.5 kwh/m²y

Office Facility FKI Tower Center



Gross Area : 168,681 m² Floors : 50Floors/6Basement Floors

Certification Date : 2013

Rating : Green Level 1

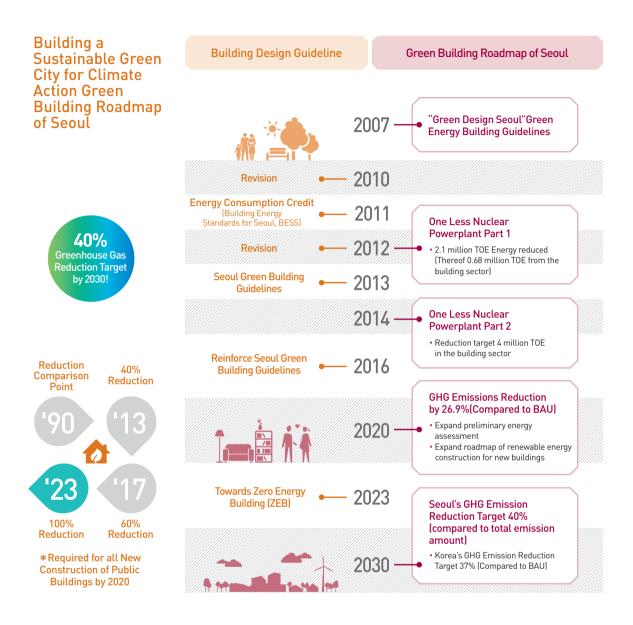
Primary Energy Consumption : 262.2 kwh/m²y

Living Facility Cheongdam-dong Raemian Apts



- Location : Gangnam-gu Cheongdam-dong
- Gross Area : 36,357 m²
- Floors : 16 Floors
- Green Remodeling Demonstrative Case Study of Korea Institute of Civil Engineering and Building Technology's 'Zero Energy Building Total Exterior System Development (2011)'





What is G-SEED?

A government led certification system introduced in 2002 that was created to accomplish sustainable development and encourage resource conservation and environment-friendly buildings. Ratings range from Green Level 1 to 4, from highest to lowest.

Sales Facility Lotte World Mall

- Location : Songpa-gu Shincheon-dong
 Gross Area : 465,409m²
- Floors : 11 Floors/2 Basement Floors
 Certification Date : 2014
- Rating : Green Level 1

Accomodation Facility May Place Hotel

Location : Jongno-gu, Wonnam-dong
 Gross Area : 4,942m²

- Floors : 13 Floors /2 Basement Floors
- Certification Date : 2013
- Rating : Green Level 1

Office Facility City Hall Seoul Metropolitan Government



Location : Jung-gu Sejong-daero
Gross Area : 90,056m²

- Floors : 13Floor/5Basement Floors
 Certification Date : 2013
- Rating : Green Level 1

⁰⁴ Bukchon Hanok Village

Background

The Value of

Hanok in Seoul

The SMG preserves architecture and uses its urban assets to strengthen the 'Seoul-ness' of the city, where the past and present co-exist. Starting with a policy designed to preserve hanok in Bukcheon in 2002 and under the Hanok Declaration of 2009, the SMG has been maintaining, protecting, and improving existing hanok, and engaging in construction of new ones.

An urban landscape that represents Seoul, a city of history



Healthy living spaces

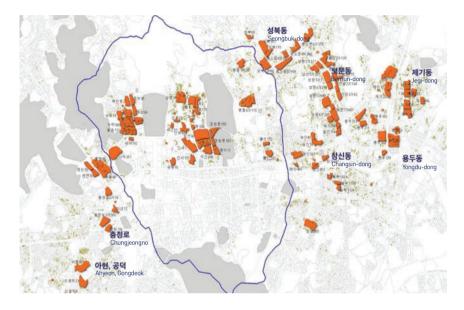


Lifestyle and heritage within the city



Supporting Repairs, Improvements & New Construction of Hanok

The SMG provides subsidies for repair, improvement and new construction of hanok through its Hanok Registration Program and also seeks to preserve and promote them through street improvements (moving power lines underground and paving sidewalks) and implementing projects to acquire and make good use of hanok.



Total Amount

Registered	Support Hanok (units)	Supporting Fund (million)		Total
Hanko (units)		Subsidy	Loan	Amount
585	398	15,479	6,395	21,874

Subsidy & Loan

Cataran	Supporting Fund (million)		
Category	Subsidy	Loan	
Renovation	6,000	4,000	
Renovation	8,000	2,000	

Seoul, ready to share with the world!
Seoul Public Housing & Architecture

Public Architecture Festivals

And A

Promoting traditional and modern Korean architecture to the world through a series of cultural festivals

* * * *

2015서울건《문화제

^{ol} Seoul Architecture Culture Festival

The SMG began presenting the Seoul Metropolitan Government Architecture Award in 1979, an award that was renamed the Architecture Culture Festival Award in 2009. The Architecture Culture Festival is an annual event hosted by the SMG, with major topics of the year as the theme, to promote a better culture of architecture by raising awareness of the value of physical environments and their effect on people's lives. The Festival was also designed by SMG to encourage citizens to participate on a personal level, to increase public interest in architecture and to realize the value of open and participatory methods. In 2015, the Festival was held in several areas of the city, including City Hall, Seoul Plaza, and the former National Tax Service Namdaemun Annex, for one month (October 8th to November 8th), under the theme of Urban Rehabilitation. Approximately 30,000 persons participated in the variety of programs, from exhibits to personal participation programs, etc.



² The Seoul Biennale of Architecture and Urbanism



The Seoul Biennale of Architecture and Urbanism is a new major initiative of the Seoul Metropolitan Government. The inaugural Seoul Biennale in 2017 deals with the emerging urban commons. The economic, political, and technological mechanisms of modern urbanism based on the classification and separation of human activities into work, dwelling, recreation, and transportation, are in a state of crisis. As an alternative to the modern city, the Seoul Biennale proposes ten commons—four resources of air, water, energy, and earth, and six commonalities of connecting, making, moving, sensing, sharing, and recycling—as the foundation of a new urban cosmopolitics. The Seoul Biennale 2017 is organized along two primary sections: Thematic and Cities Exhibitions and Seoul Lab. The Exhibitions showcase the most innovative initiatives occurring in cities around the world. The Seoul Lab uses Seoul as a laboratory of the commons. It comprises of Live Projects Seoul, Mapping the Commons, International Design Studio, Film and Video Program, Public Programs, and Information Platform. The results and activities of Seoul Lab will be coordinated with the Thematic and Cities Exhibitions. The Seoul Biennale 2017 will be held from September 1 to November 5, 2017 at Donuimun Museum Village, Dongdaemun Design Plaza, and various locations in Seoul.

⁰³ UIA 2017 Seoul World Architects Congress

The SMG is proud to host the UIA 2017 Seoul World Architect Congress. UIA (Union Internationale des Architects) is an international non-governmental organization which is recognized by the United Nations as the only association in its field. It arranges international exchanges and cooperation in the areas of architecture, residential environments, urban infrastructure and preservation of urban environmental heritage. Currently, UIA has approximately 1.3 million architect members from 124 countries. For professionals working in architecture, construction, and building design, the Congress is the equivalent to the Olympics and is held every three years. Different regions in the world take turns as hosts, with each host country selecting its own special theme. International conferences, academic programs and exhibitions, and programs involving student and citizen participation are offered as part of the Congress. The SMG has entered a bid to be the host country three times, and was announced as the host during the Tokyo Congress in 2011. The formal appointment as host was announced during the Durban Congress in 2014.









Seoul selected as the host at the Tokyo Congress in 2011.



Host designation officially announced at the Durban Congress in 2014.

The theme of the Seoul Congress in 2017 is 'Soul of City.' UIA commented that "Seoul has a perfect blend of traditional and modern senses, and the theme of the 2017 Congress reflects such characteristics. While Seoul has achieved a fine balance between natural scenery and advanced technology, it must discover a more innovative meaning for the existing environment, for itself and other cities in the world."

Thus, the SMG is seeking to present the city's strength, for example as a smart city connected through the Internet of Things, together with a variety of exhibitions, academic programs and building tours.

- $\odot\,\text{Hosts}$: UIA, Federation of Institutes of Korean Architects (FIKA), and the SMG
- O Date & Venue : Sept. 3 ~ 10, 2017 (8 days) at COEX, Dongdaemun Design Plaza and other venues
- **Participants** : Approximately 30,000 from over 120 countries, including representatives from UN-Habitat, UNESCO and other organizations.
- OTheme : Soul of City
- Sub-themes: cultural heritage, sustainability and technology

Seoul, ready to share with the world? Seoul Public Housing & Architecture

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 Edited by
 | Jeong, Youn Gil, Architecture Planning Division (jyk0archi@seoul.go.kr)

 Seol, Jung Im, Architecture Planning Division (seollaim@seoul.go.kr)

 Designed by
 | AandF communication