

ENVEX 2019 Manual

For International Visitors

(The 41st International Exhibition on Environmental Technology & Green Energy)

May 15 ~ 17, 2019

Korea Environmental Preservation Association

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I *General Information*

1. Greeting messages

It is our great honor to invite buyers and people from governments and companies working in and contributing to the sector of environmental industry to our show –The 41st International Exhibition on Environmental Technology and Green Energy (ENVEX2019) from all over the countries, where you would have many opportunities to meet a variety of environmental companies in Korea.

In ENVEX2019, from May 15 to 17 this year, there will be about 240 participating companies from many countries, boasting its size of the event being held in one of the largest halls of 10,368sqm (net) at COEX in Seoul. We are certain that the ENVEX2019 will show you advanced environmental technologies with great endeavors prepared by many participating companies. There will be also chances for you to gain information and ideas on the future of the green industry through seminars or conferences that have been arranged.

The organizer of ENVEX2019; Korea Environmental Preservation Association was established in 1978 as a government agency under the Ministry of Environment. We are helping environment companies achieve success in their business by providing relevant information such as public promotion, technological supports, environmental education, hosting exhibitions or other events, etc. Furthermore, we provide a wide range of business opportunities to environmental companies with our global partners.

Through ENVEX2019, we promise you to offer various opportunities in order to reach your business goal successfully in many ways through programs for international visitors with the invitation to our show such as B2B meeting, Exhibition Hall Tour, Site Visit, and Interpretation Service, which we hope to become eye-opening and mind-broadening experiences for all of you visiting us.

We sincerely appreciate for your attending at the ENVEX2019 and thank you for all your interests in the exhibition.

*President
Woo Shin Lee*

2. About KEPA

1) Aims of Foundation

To contribute to the development of healthy environment through research, survey, technical development, education and public information for environmental preservation.

2) Authority of Foundation

Established in 1978 under the authority of article 38 of the Basic Environmental Policy Act.

3) Organization: Head office & 11 local branch offices.

4) Major Project

- Public Activities
 - . Government-commissioned public relations
 - . Public relations projects linked with corporations
 - . Financial support for private environmental associations or organizations
- Ecological Restoration
 - . Operation and management of environmental theme parks
 - . Management and operation of purchased land
 - . Creating waterside green zone
 - . Post-process after buildings demolition and waste disposal
- Environmental Education
 - . Operating national environmental education center
 - . Operation and management of Purumi (visiting environmental education service)
 - . Operation and management of environmental education institute for kids
 - . Operation and management of environmental education portal (Green Stick)
- International exhibition on environmental technology & green energy (ENVEX)
 - . Supporting small & medium environmental companies for business expansion abroad
 - . Organizing Korea Pavilion at international environmental exhibitions
 - . Seminars & Forums for policies, government projects, technologies on Environment
- Technical Support for environmental companies
- Environmental Engineers Training
- Greenhouse Gas & Energy Verification Center
- Services for Members
 - . membership services

3. Introduction

1) Full Name

The 41st International Exhibition on Environmental Technology & Green Energy (ENVEX 2019)

2) Organizers

- . Korea Environment Corporation (KECO)
- . SUDOKWON Landfill Site Management Corporation (SLC)
- . Korea Environmental Industry & Technology Institute (KEITI)
- . Korea Environmental Preservation Association (KEPA)
- . Korea Environmental Industry Association (KEIA)

3) Show Management

- . Korea Environmental Preservation Association (KEPA)

4) Sponsors

- . Ministry of Environment
- . Ministry of Trade, Industry and Energy
- . Ministry of Land, Infrastructure, and Transport
- . Seoul Metropolitan Government
- . Korea Chamber of Commerce & Industry
- . Korea Trade-Investment Promotion Agency (KOTRA)
- . Korea Federation of Small and Medium Business
- . Commercialization Promotion Agency for R&D Outcomes
- . Korea Packaging Recycling Cooperative
- . Korea Resource Circulation Service
- . Korea East-Weat Power Co., Ltd.
- . Gyeonggi Incheon Machinery Industry Cooperative
- . Korea Automobile Environmental Association
- . Korea Environmental Engineers Association
- . Korea Foods Processing Equipment Association
- . Korea Food waste Processing Equipment Cooperative

5) Period

- Exhibition period: May 15 (Wed) ~ 17 (Fri), 2019
- Time: 10:00 - 18:00 * (only 10:00 ~16:00 on May 17)

6) Venue

Hall C Convention & Exhibition Center, COEX, Seoul

7) **Exhibition Area** 10,368m²

8) Main Characteristics and Vision of the Exhibition

- The largest exhibition on the energy & environment in the nation over 38-year history
- Nominated by Ministry of Commerce, Industry and Energy as a promising exhibition
- 5 consecutive years of receiving national trade exhibition certification mark.

9) Aims of the exhibition

- Foster environmental industry development
- Increase and promote international environmental business market entrance.
- Contribute to the practical use and field application of environmental technology development

4. Exhibit Items

▲ Green Technology and New & Renewable Energy

- Green Technology
 - .Environmentally friendly electric & natural gas-fueled vehicles
 - .Low-carbon green vehicle.
 - .Botanic plastic
- New Energy
 - . Hydrogen Energy. Polymer Electrolyte Fuel Cell. Coal Liquefaction Gas
- Waste Energy
 - .RDF-Refuse Derived Fuel. Bio gas producing system from organic waste

▲ Water Quality

- Various types of related equipment, machines and products
 - .Various membrane systems .Blowers .Filters .Pumps for recovery of suspended matter .Bio filter media .Submerged agitator .Aquatic pumps and various other pumps .Water quality management monitoring systems .Water treatment precision chemicals .Screens .Reverse osmosis system .Chlorine and ozone sterilizers .Oil skimmers .Oil-water separators .Ozone generation system .Ozone water purifying system .Centrifugal separator .Ion exchanger .Septic tank .Vacuum evaporator .Leached water leakage prevention system
 - Dehydrators .Phosphorus removal & nitrification equipment .Automatic polymer solvent & chlorine dioxide equipment .Aerobic-basic reactor .Chemical substance recovery systems
- Night soil treatment systems

- Water purifying and wastewater treatment systems
- Wastewater from animal husbandry
- Sewage disposal equipment
- Running water purification systems

▲ **Water & Sewerage**

- Advanced wastewater treatment
- Water & Sewerage related equipment
- Treatment of water discharge from purification plant
- Tap water for miscellaneous purpose systems

▲ **Atmospheric Field**

- Gas collection and recycling systems - Gas absorption equipment - Air purifiers
- Atmosphere related accessories and equipment - Oxidizers - Fire protection equipment
- Oil/gas burners - Condensation equipment - Direct combustion facilities
- Dust collecting equipment - Waste gas retrieval and recycling systems
- Equipment for VOC elimination and treatment of various noxious gases
- Activated charcoal catalytic reactor for elimination of organic matter

▲ **Soil Conservation**

- Items related to prevention of soil pollution

▲ **Marine Conservation**

- Fishing ground purification systems
- Sea pollution prevention equipment (Oil skimmers, Oil fence, Oil absorbers)

▲ **Noise and Soundproofing, various related facilities, equipment and measuring Systems**

▲ **Environmental Measuring Systems**

- Weather forecasting equipment
- Atmospheric gas emission measuring equipment
- Noise monitoring equipment
- Water quality measuring equipment
- Noxious substance analysis equipment
- Integrated electronic treatment systems
- Environmental atmospheric measuring equipment

▲ **Waste Reusing Recycling**

- Rubbish sorting and collection containers
- Pulverization & crusher

- Soap production equipment - Incinerators - Compressor
- Recycled equipment from waste oil - Soap production equipment
- Safety glass recycling systems - Waste plastic emulsification treatment equipment
- Recycling of plastics, timber, tires, packaging & construction waste

▲ Waste Food Treatment Equipment

▲ Environmentally-Friendly Products

- Various environmental pollution reduction products
- Energy conserving environmental products
- Recycled environmental products - Low pollution electric cars
- Environmental eco-mark products - Environmental daily goods

▲ Environmental Management

- Environmentally friendly companies
- ISO 14000 consultation & support
- LCA (Life Cycle Assessment)
- Design for Environment

▲ Environmental service industry and related industries

- Post environmental effect analysis - Diagnosis of environmental facilities
- Environmental assessment - Environmental consulting

▲ Environment-related Chemicals

- Various deodorizers - High molecular polymer coagulant
- High activity microorganism decomposers
- Micro-organic nutrients - Sterilizers - Disinfectants - Purifiers
- Oxidizing agents for deodorizing purposes - Soil enriching agents
- Waste matter decomposers - Activating agents

▲ Safety, Security and Disaster Prevention Equipment

▲ Domestic and foreign environment related organizations (government, investment groups, NGOs, associations, research institutes) publicity

▲ Other pollution prevention equipment and related equipment and written materials Water Quality

5. More Events (Seminars, Forums, Conferences etc.)

1) Seminars of ENVEX2019

- Period: May 15 (Wed) ~ 17 (Fri), 2019
- Time: 10:00~17:00
- Venue: Conference Room
- Participants: Assembled leaders from business, government, academia, and the research community from around the world
- Expected No. of Participants: 5,000
- Timetable

Date	Time	Title		Venue	Hosts/Organizers
May 15(Wed)	14:00~16:30	Technology Seminar of ENVEX2019 Exhibitors		Seminar Room C, COEX Hall A	ENVEX2019 Exhibitors
May 16(Thu)	10:30~17:00				
May 17(Fri)	10:30~15:30				
May 15 (Wed)	13:30~17:00	Promotional Methods of Packaging Recycling		Conference Room 301	Korea Packaging Recycling Cooperative
	14:00~16:10	Presentation for Business Supporting and Fostering Projects		Conference Room 307	Gyeonggi Province Water Industry Support Center, Small Enterprise and Market Service Seoul-Gangwon Province Branch, Korea Environmental Preservation Association
	13:30~16:50	The 25 th Seminar of Environmental Policy and High Technology	Session 1. Chemical Safety and Climate Change	Seminar Room A, COEX Hall A	Korea Environmental Engineers Association, Journal of Environmental Technology
	13:30~16:50		Session 2. Water Environment	Seminar Room B, COEX Hall A	
May 16 (Thu)	13:30~16:50		Session 3. Resource Circulation and Energy	Seminar Room A, COEX Hall A	


	13:50~16:00	The 14 th Water Resources and Environment Technology Forum – Technology conference for Water Management Unification including watery discharge, water quality	Seminar Room B, COEX Hall A,	Korea Environment Research & Information Center
	13:50~16:00	The 1 st Indoor Air Forum – Clean Filter Ventilation Technology for Indoor Air Quality Improvement	Conference Room 301	Korea Indoor Environment Association, Korea Institute of Ecological Architecture and Environment, Korea Environment Research & Information Center
	14:00~16:30	2019 Environmental Industry & Policy Seminar	Conference Room 307	Korea Environmental Preservation Association
	13:00~17:10	The 5 th Membrane System Design and O&M Technology Seminar	Conference Room 308	Water Industry Network(Roplant))
	13:30~16:50	Resource Recycling Policy Symposium on Food waste from school and General Food waste	Conference Room 328	KNA Environment Forum, Korea Foods Processing Equipment Association, School Lunch Food Waste Research Forum
May 17 (Fri)	10:00~11:50 13:00~14:50	Seminar for Intergrated Pollution Prevention and Control of Discharging Facilities	Seminar Room B, COEX Hall A,	Korea Chemical Safety Association

※ The event schedule is flexible in accordance with the situation.


2) ENVEX2019 Overseas Buyer Program

1. BIZ MATCHING – MAY 15 (WED) ~ 17(FRI)

- ENVEX2019 provides all Registered Visitors with Biz Matching support.
- Once you register online, our online bizmatching program automatically matches you with several exhibitors who deal items that you are interested in or willing to purchase
- You can decide the date and the time to meet matched exhibitors in advance.

	VENUE	COEX Hall A
	SUBJECT	For pre-registered overseas buyers and others registered on-site
	SERVICE PROVIDED	You can visit interpretation service at the exhibition hall to be accompanied by an interpreter.

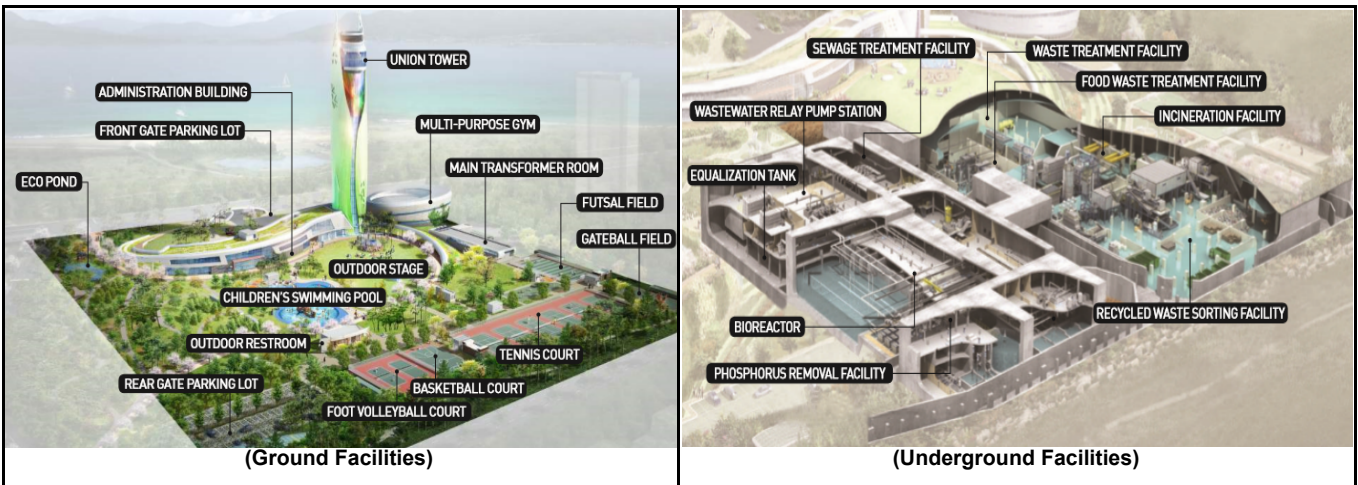
2. GUIDED HALL TOUR – MAY 15(WED) ~ 17(FRI) ※ MAY 15 14:00, May 16 10:30/14:00, May 17 10:30

	VENUE	COEX Hall A
	SUBJECT	For pre-registered overseas buyers and others registered on-site
	SERVICE PROVIDED	You will visit 3-5 booths to each pavilion and be given detailed explanations on each exhibitor's products or technologies.

3) Site Visit

- Date & Time: May 17, 2019 (Fri) 08:30 ~ 15:00
- Venue: Hanam Union Park in Hanam city
- Participants: Foreign buyers and green industry institutes representatives

Time	Venue	Description	Remark
10:00~11:00	From Convention Center To Hanam Union Park		Travelling by bus
11:00~13:00	TBD	Site Visit	
13:00~14:00	TBD	Luncheon(Adjacent Restaurant)	
14:00~15:00	From Hanam Union Park To Insa-dong		
15:00~17:00	Insa-dong	Cultural tour	
17:00~18:00	From Hanam Union Park To Convention Center		



[Environmental Foundation Facilities : Union Park & Tower]

-Foundation in 79,057m² in Hanam City with 303 billion KRW in June 2015

(construction period: Sep. 2011~Jun. 2015)

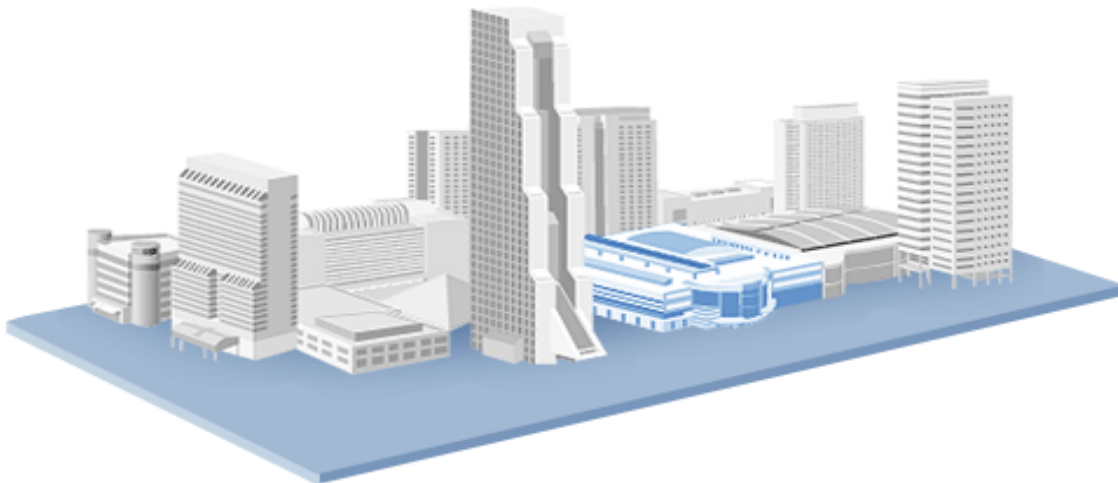
complex on Environment of 25meter in the basement by up-to-date technologies such as for incinerating, resource recovery plant food, recycling selection, sewage treatment etc.

complex on Environment of ground based for the culture & community for the residence such as Water play area, physical training facility, gym , a tower of 105 meter in height

II *Services*

1. Show Venue: COEX, Seoul

1) About COEX Center



At the forefront of globalization, COEX Center will provide a high-tech venue for international exhibition, meetings and culture in the 21st century. COEX's 198,000-square-meter trade show and convention facility is the nucleus of a 50-acre commercial and hotel complex. With four stories above ground and four basement levels, COEX offers the space, services, communications facilities and advanced systems and equipment to accommodate everything from large-scale international to the latest high-technology exhibitions.

COEX Exhibition Center has three soccer field-sized exhibit halls, named, the Pacific Hall, the Atlantic Hall and the New Exhibition Hall located in the Convention Center. These halls are bonded and equipped with first-class facilities. With the halls having size-adjustable partitions, any kind of exhibition can be held regardless of its size and nature.

2) Gates of COEX Center



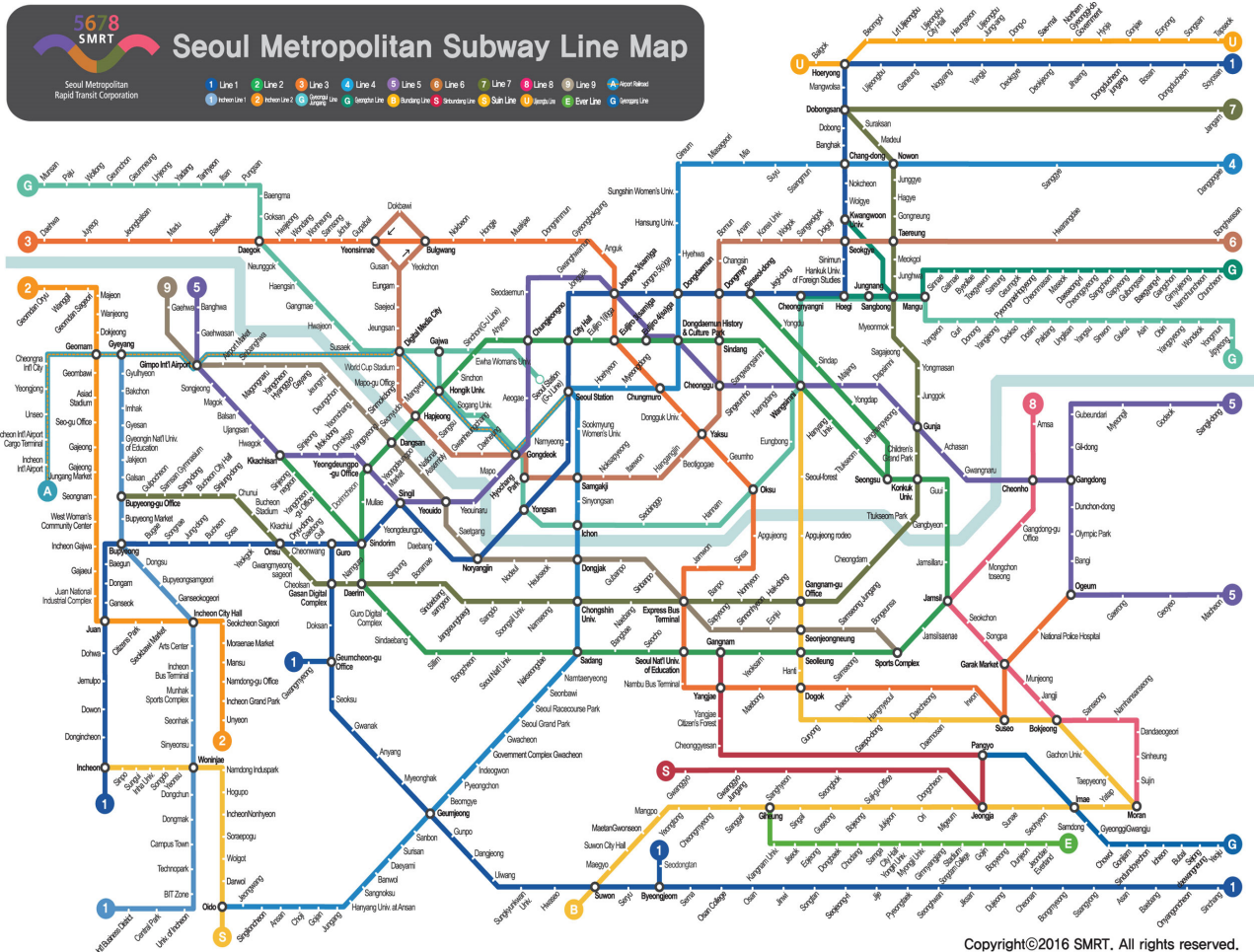
<p>1. From Gangnam area</p>	<p>Take Teheran Road to Samseong dong, make a u-turn at the Samsung Stn Rotary, turn right on Asem Rd. and drive about 200m. Then access the parking lot in the basement or rooftop through GATE3 on the right side.</p>
<p>2. From Gangnam Express Bus Terminal</p>	<p>Go to Jeil Saengmyong (Allianz) Rotary, go straight passing RAMADA Hotel, turn right at C Rotary (beside Bongeun Temple), drive about 100m and access the Coex parking lot in the basement.</p>
<p>3. From Daechi area</p>	<p>Turn left at Samseong Stn Rotary, then right on Asem Rd to get to GATE 3 on your right side.</p>
<p>4. From Gangbuk area</p>	<p>After crossing Youngdong Daegyo bridge, go straight through Cheongdam Stn Rotary. Then go for about 100m to get to Coex Rotary. Access the parking lot in the basement through GATE2 or GATE5 on the right side.</p>
<p>5. From Jamshil area</p>	<p>Go to Samsung Stn Rotary, turn right on Asem Rd and go for about 200m. Then access the parking lot in the basement or rooftop through GATE3 on the right side.</p>

3) Access to the show venue (From Incheon International Airport to COEX)



Address: Coex, 513, Yeongdong-daero, Gangnam-gu, Seoul, 06164, Rap. of Korea /
 Tel: 82-2-6000-0114

2) Public Transportation - By Subway







Coming from Samseong Station

Coming from the subway, use exit five or six connected to the Coex Mall. Follow the Coex sign and you will come out at Millennium Plaza with the Coex Mall entrance in the back of the plaza. Hyundai Department Store will be to your left and CoexArtium straight ahead.

Coming from Cheongdam Station

Take exit two and walk straight for about 15 minutes. You will pass Bongeun Temple on your right and soon after that you will see the Coex Complex on the right side. You can enter through North Gate or keep walking straight along the center to enter into East Gate.

3) Public Transportation- Bus System

Type of City Bus	Remark
<p>※ Buses are around 1,300 won per trip depending on how far you travel</p>	
 <p>Arterial Bus (Blue Bus)</p>	<p>The Blue (arterial buses) are the routes which connect outlying areas with the downtown area and run along a north-south and east-west axis.</p>
 <p>Local Bus (Green Bus)</p>	<p>The Green (local) buses operate within a specific district. These buses will also make stops at subway stations. These routes usually operate in local areas for passengers transferring to blue buses or subways.</p>
 <p>Inter-city express bus (Red Bus)</p>	<p>The Red (express buses) which links downtown Seoul with satellite cities such as Ilsan, Bundang, Anyang and Ansan. These buses might not run as regularly (the interval times are from 10 - 15 minutes) as the local buses but you can also check the schedules on certain bus posts at specific stops.</p>
 <p>Downtown Circular Bus (Yellow Bus)</p>	<p>The Yellow (downtown circular) buses, which you might not see as often but these buses run short routes in major downtown areas.</p>

⇒ If you want to know more information about the transportation, please visit website:
<http://www.visitseoul.net>

3. Hotel

1) Location

<https://ibisstyles.ambatel.com/gangnam/main.amb>



*Direction from Airport to Hotel (IBIS STYLES AMBASSADOR)

Located behind the POSCO building in Daechi-dong for easy access to the global business hub, ASEM Tower and COEX complex at Samseong subway station. You can also use KAL Limousine (#6704) from Incheon International Airport and Gimpo International Airport to the hotel

- Address: 737, Yeongdong-daero, Gangnam-gu, Seoul 135-952
- Tel: +82-2-3454-1101

4. How to enjoy your trip in Korea

1) Traditional Sites in Seoul

◆ Gyeongbokgung



Built in 1395, Gyeongbokgung remained the core nucleus of autocratic rule through much of the Joseon period. Unlike other palaces in Seoul the rectangular area is flanked by large entry gates on all four sides.

Closed Tuesday

Subway : Gyeongbokgung Station, Line 3, exit 5

◆ Changgyeonggung



The palace has been fully restored to its former glory, and illustrates a rare array of architectural quirks that reflect Joseon period geomancy.

Closed Monday

Homepage <http://www.cdg.go.kr/>

Subway : Hyehwa Station. Line 4

2) Modern Seoul

◆ Dongdaemun



Dongdaemun Fashion Town houses Korea's largest Clothing wholesale market, Gwanghee Market specializing in fur and leather, flea market, and modern fashion malls such as Doosan Tower, Migliore, and Freya Town. At the modern fashion malls you can enjoy various events such as fashion shows, festivals, hip-hop dance contests in addition to shopping. The malls also have cultural facilities such as multiplex theaters open 24 hours a day, Toy Land, and game rooms.

Closed Tuesday

Subway : Dongdaemun Stadium Station, Line 4

◆ N-Seoul Tower



It is located on top of Namsan Mountain and is a place where you can get fine views of Seoul. There is lighting show every night in N Seoul tower and it begins at 5PM until 11PM with various color presentations.

Homepage <http://www.nseoultower.com>

Subway : Ride rotation bus at Chungmuro Line 3 & 4, exit No.2

◆ Olympic Park



Olympic Park is an impressive facility that preserves natural wildlife without compromising visitor-friendly accommodations and pathways. Back in 1988 when the city was buzzing with excitement over the hosting of its first Olympics, relevant urban planners decided to dedicate a portion of the development effort into a verdant sanctuary on a plot of city land with historical relevance.

Homepage <http://www.sosfo.or.kr>

Subway : Olympic Park Station. Line 5, Exit 3

◆Aquarium 63 SeaWorld



Established as early as 1985, Aquarium 63 SeaWorld was the first, large-scale aquarium to be created in an urban setting. A total of 80 aquariums are available, with 54 for general exhibition and 26 for breeding rare sea creatures. 400 species and 20 thousand submarine organisms live in these aquariums.

Homepage <http://www.63city.co.kr>

Subway : Take the 63 City Shuttle Bus from Yeouinaru Station line 5, from the bus stop 80 m ahead of exit 4, and in the direction of MBC.