

YOUR *for* BEST PARTNER

EXPO
2020
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Thematic Pavilion, Expo Astana 2017

р Энергиясының
қартылған Көздері
available Energy of the Earth
обновляемые
источники Энергии Земли



We are SIGONGtech, the beautiful creator. Remember us.

In 1988, SIGONGtech was the company that did the laser show for the 88' Seoul Olympics.
This was the first laser show in Korea, and first major project for SIGONGtech.
Since 1993 until now, we have participated in 8 World EXPOs.
In 1996, we developed Korea's own showcase technology for museums.
In 1998 for Lisbon EXPO, we created Underwater, HD... AND... 3D video.
For that period of time, that was VERY high-technology.

Technology and creativity of Sigongtech have been proved all over the world through sucessful performance of 1993 Daejeon Expo.
In 2010, we were proud to demonstrate our strength through the Shanghai Expo:
with our outstanding skills of planning and construction of the site.
And in 2012 for Yeosu Expo, we made Korea's Largest multimedia show.
In addition, we designed and built the theme Pavilion, Korean Pavilion and 6plaza at the Astana Expo 2017.

We are the outlight leader of establishing Expos and world event too.



Thematic Pavilion, Expo Astana 2017

SIGONGtech,
Global Creation Group
Challenge, Creativity and towards the Ideal!
SIGONGtech creates something new to the world.

Creative cutting-edge technology of SIGONGtech
may lead your project into **SUCCESS!**



Science Museum &
Natural History Museum



Promotional Exhibition &
Theme Park



Museum & Art gallery



Special Pictures



Memorial Hall



EXPO &
International Event



Interconnected work process
from Design to Construction with
**400 EXPERTS + More than 1,000 Projects
& 3 Million Contents**





Expo & International Event

SIGONGtech sets up the world-class **Expos and International Events** with the state-of-the-art know-how and collaboration of Experts in Various Fields.

Turnkey basis work process for seamless operation from Design to Implementation.



Celebrating 30 Years of Excellence.

A world recognized creator group with over **240 Partners** and **200 intellectual property rights**.
First design firm to be listed on **Stock Market** in Korea (KOSDAQ).

CREDIT RATING The "**A0**" international rating of the Korean rating organization



24 PAVILIONS

8 EXPOS

IT New City	1993	Daejeon	EXPO
Korea	2000	Hannover	EXPO
Korea	2005	AICHI	EXPO
Korea Korean Corporate	2010	Shanghai	EXPO
Theme OCBPA (Ocean,Coast Best Practice Area) USA BIG-O show Ocean Show	2012	Yeosu	EXPO
Korea	2013	Istanbul	EXPO
Korea	2015	Milan	EXPO
Theme Korea Thailand Vietnam International Organizations Caribbean Latin America Pacific Ocean Silk way Africa	2017	Astana	EXPO



BIG-O show, Expo Yeosu 2012

18 EXPO AWARDS

2010 Shanghai EXPO

Korea
Korea Corporate

"BIE Silver Award & Oscar Award"
"Oscar Award BEST Technology Award"

2012 Yeosu EXPO

OCBPA
BIG-O show

"First in History of BIE: Silver Award"
"Best Show of the Year"

2015 Milan EXPO

Korea

"Red Dot Design Award"
"BIE Silver Award"
"EXPO Pavilion Heritage Award"

2017 Astana EXPO

Theme

Top 10 Most Visited Pavilions:
4th Place & 9th Place

Korea

"BIE Bronze Award"
"1st Place - Astana EXPO TV"
"Best Technology Award-Exhibitor Magazine"
"Grand Prize-Novoe TV"
"EXPO Organization Committee Award"

Caribbean
Latin America
Pacific Ocean
Silk way
Africa
Egypt

"BIE Gold Award"
"BIE Bronze Award"
"BIE Silver Award"
"BIE Theme Development Award"
"Top 10 Most Popular International Pavilion: 1st (Egypt), 2nd (Africa)"

Korean Corporate Pavilion, Expo Shanghai 2010



reddot design award



Our Dubai facilities are more than **100.000 sqft** in size,
out of which **60.000 sqft** is dedicated to the **production area**.

High-tech office space with the total size of 10.000 sqft with meeting rooms,
relaxing and gaming rooms serving as the head office of SigongTech in Dubai.

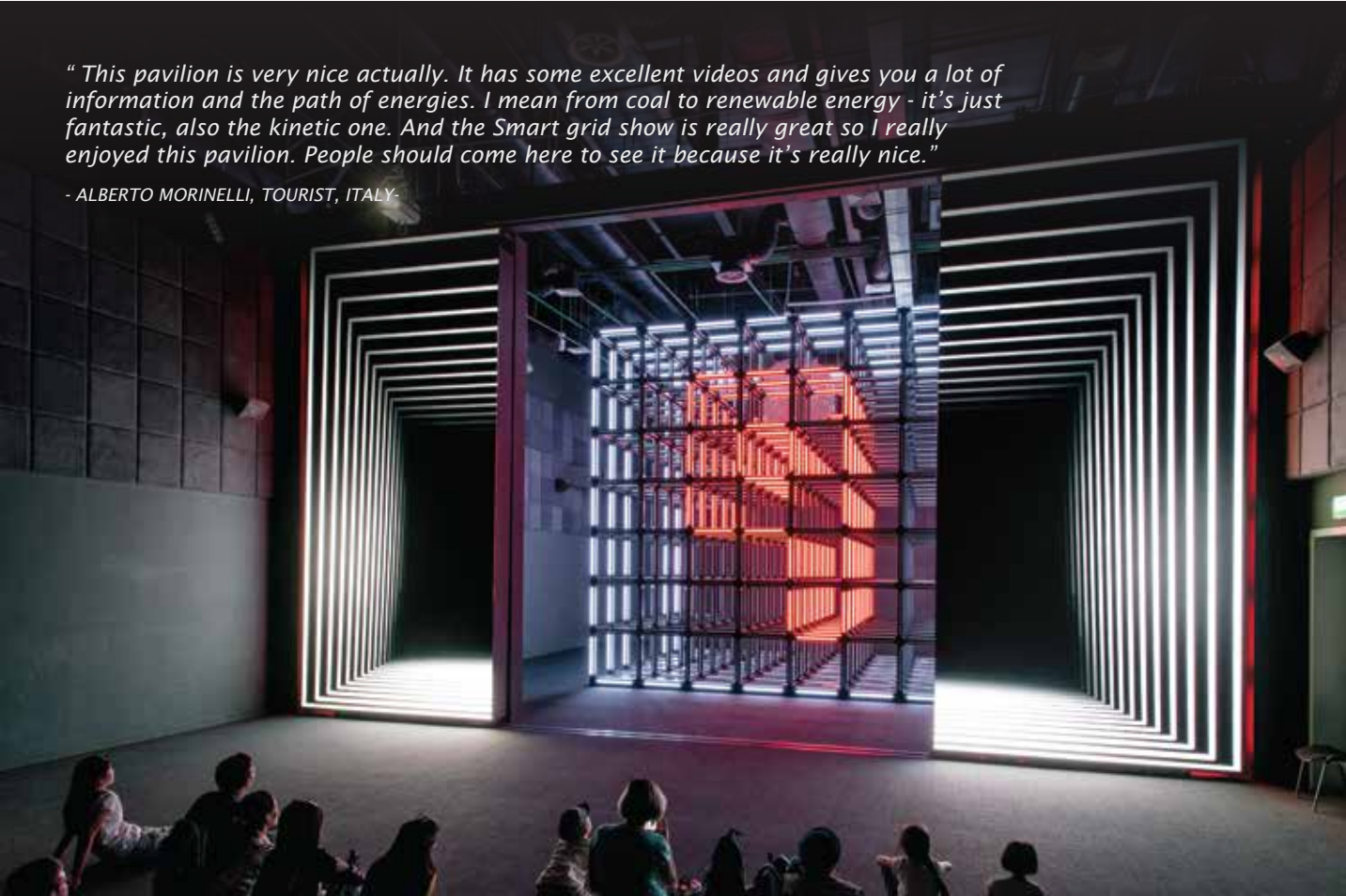
The State of the art factory is strategically located near
Al Maktoum Airport and **15minutes** to the **Expo 2020 Site**.




Dubai Office, SIGONGtech

“ This pavilion is very nice actually. It has some excellent videos and gives you a lot of information and the path of energies. I mean from coal to renewable energy - it's just fantastic, also the kinetic one. And the Smart grid show is really great so I really enjoyed this pavilion. People should come here to see it because it's really nice.”

- ALBERTO MORINELLI, TOURIST, ITALY-



Awards:

 **Top 10 Most Visited Pavilions:**
4th Place

EXPO
2017
ASTANA

Date:
2017

Client:
JSC
Astana EXPO-2017 National Company

Surface area:
4,267sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Thematic Pavilion_1

World of Energy, Future Energy for Life

The exposition fully unveils the idea of using the energy created in space and the Earth in the condition of energy development.

The first thing that captures visitors' attention is the kinetic show about the creation of the universe and the big bang theory. Various innovative solutions are exhibited on the second floor. Visitors can see unmanned vehicles and a hydrogen car, and walk on a smart pedestrian crossing. When a person crosses the road, the ejector collects energy and sends it to the traffic light through the LED tubes.

At the last zone, visitors can see the final show "City of the Future". The spectacular light show is about the production and consumption of energy, as well as the importance of finding cheap and effective ways to reduce the use of natural resources in the world.



Awards:

 **Top 10 Most Visited Pavilions:**
9th Place

EXPO
2017
ASTANA

Date:
2017

Client:
JSC

Astana EXPO-2017 National Company

Surface area:
4,226sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Thematic Pavilion_2

Energy for All, Energy Created by Us, Altogether

Entering the ground floor, worldwide energy imbalance and fair access to energy are discussed at the current state where the world map is located.

At "Issue & Vision", we look into techniques that lights the world and listen to the story of the scientists and specialists of the technique and from the local operators.

At "My Energy Footprint", sentimental interaction experiencing space that finds out the carbon footprint in our lives is shown.

On the second floor, get on a ride and move along the route to see the pre-show image related to the energy and humankind history.

At the main show space, participatory kinetic image show is experienced that saves the earth that is endangered by energy issues and climate change.

At the post show space, move to the space that reminds the meadows of Kazakhstan and check the energy power of the nature by wide screen.

At the last zone, return the experience patch, and watch the earth flip dot image.



Awards:



**Bureau International
des Expositions**
Bronze Medal for
exhibition design



Exhibitor Magazine
Best Technology Award

Astana EXPO TV
1st Place

Novoe TV
Grand Prize

EXPO Organization
Committee Award

EXPO
2017
ASTANA

Date:
2017

Client:
KOTRA

Surface area:
1,125sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Korea Pavilion

Encounter Korea's energy technologies

In the Korean Pavilion, you can find answers to the energy crisis caused by resource shortage, how to preserve the environment, and how to change people's lives.

The first section of the Korean Pavilion is called the "Seed of Light". It features a film that shows the country's energy development from fossil fuels to future clean energy.

The show in the second section is a combination of music performances and animation, one of the most popular EXPO 2017 attractions. Astan, a symbol of Kazakhstan and South Korea, finds the power of new energy with the help of a girl.

The last section looks like an illuminated futuristic forest. With the help of Augmented Reality, visitors can learn about a certain energy technology at every tree, for instance, about the system of accumulation and storage of "green" energy, which has already been successfully used in South Korea, or the "smart house" system.



Thailand Pavilion

Date:
2017

Client:
Index holding Thailand

Surface area:
800sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

5 months of construction
All Theming Product was Shipped from overseas.

Thailand has considered and decided to present how humanity can be less dependent on fossil fuel and sustainably conserve the environment with the concept of "Bioenergy for All".

The pavilion is divided into three exhibition halls. The first exhibition hall is "Our Ways, Our Thai," where visitors will witness the Thai ways of life and our unique, natural land and cultural beauty, together with developments in alternative energy, through a live exhibition. The second hall is "Farming the Future Energy," which will present the concept of the Thailand Pavilion via 3-D theater. The third hall is the "Energy Creation Lab," where visitors will discover, via an interactive exhibition, how bioenergy and biomass are derived from nine energy crops.



EXPO
2017
ASTANA

Date:
2017

Client:
Vietnam Ministry of tourism
and commerce

Surface area:
560sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Vietnam Pavilion

All decoration shipped from Vietnam to give the Pavilion the Vietnamese ambiance so people could really experience a Vietnamese culture Tour.

Vietnam's exhibition was set up by the Ministry of Culture, Sports and Tourism on a total area of more than 400sq.m. Various photos and videos tell the story of a country with beautiful landscapes and rich cultures, and the richness of the Mekong Delta region.

They also introduce the various problems caused by climate change in the country and call for international co-operation for a better future. The displays also include solutions for future power sources, like wind and solar power.

The country's tourism potential is highlighted with handicrafts offered at the site.



Awards:



Bureau International des Expositions

Gold Medal for exhibition design
: Caribbean Community

Silver Medal for exhibition design
: Pacific Ocean

Honorable mention
: International Organizations

Medal for The theme development
: Tajikistan (gold)
: Ghana (silver)
: Ukraine (bronze)

EXPO
2017
ASTANA

6 Plaza Pavilion

International Organizations / Caribbean Community / Latin America / Pacific Ocean / Silkway / Africa

Date:
2017

Client:
JSC

Astana EXPO-2017 National Company

Surface area:
8,545sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Our services include courtyards and entrances, reception areas, power network landscape shows, landscaping and cultural sections, personal exhibits, art zones and retail areas.


All Plaza's Façade and Atrium are made up of various graphic panels for the exterior and are embossed in 30cm 3D. It shows various energy-related contents.

We have investigated and developed every aspect of each plaza.
Two conferences were held and the content, design and production were confirmed.
We spent only three months in content planning, internal design and production completion.
Not only the completion, but also we earned the glory of winning the BIE award.





Awards:

 **Top 10 Most Popular international Pavilions:**
1st Place

EXPO
2017
ASTANA

Date:
2017

Client:
JSC

Astana EXPO-2017 National Company

Surface area:
350sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Egypt Pavilion

Façade and Atrium have are decorated with mosaics. The images in mosaic represent the God of the Sun 'La' for the Façade and temple 'Abusembel' for Atrium. Moreover, the highlighting design point and diversity of material are fulfilled by attaching the punched steel plate partially.

On the wall, the art works are designed to represent Egypt's 6 important historic events such as the beginning of Egyptian history, the era of Pharaoh and the birth of Jesus and so on.

At the center of Egypt Pavilion, Pyramid is installed as a symbol of Egypt. On each side of Pyramid, logos of Wind, Water, Solar and Human Energy are engraved. Especially, the side for Human Energy has a screen to emphasize the Human Energy.

The Moon Jar

Architectural symbol of Korea Pavilion

The architecture of the Korean Pavilion was inspired by the design of a moon jar, a traditional Korean ceramic porcelain. The name comes from its moon-like shape and milky-white color. Ceramic traditions transformed grain bowls into these beautiful celadon earthenware and porcelain pieces. The curvature and subtle accents lend to the overall feeling of simplicity and harmonious balance with the surrounding environment.

While the Milano Expo has been designed with a Decumanus-inspired Roman geometric structure, the Korean Pavilion has been designed with an organic traditional Korean shape. In this way it conveys a message of harmony between East and West.




“Which foods should be selected for sustainable consumption in the future?”

The Korea Pavilion

will address various food-related issues that mankind is currently facing. Discussing these issues will help increase awareness and offer a direction to a reliable solution.

Awards:

 **Bureau International des Expositions**
Silver Medal for exhibition design

 **Red Dot**
Design award

EXPO Pavilion
Heritage Award



"Symphony of Food: Balance" is an exhibit which symbolically illustrates the healthiness and harmonious composition of Hansik, which consists of all the elements, including the seasons, colors, and various ingredients. A multimedia show here portrays the notion of harmony, and the moving screen and floor are utilized to show the balance and sum of all objects in nature.



"Wisdom of the Earth: Storage"

produces the ambience of the venue.

Onggi, traditional Korean ceramic stoneware, used to be buried underground, as its porous material allows it to "breathe", something reminiscent of all living entities.

Onggi represents the wisdom of Koreans through Korea's traditional preservation science of absorbing the life-giving energy of the earth and also preserving solar energy.



Awards:

Bureau International des Expositions
Silver Medal for exhibition design

Red Dot
Design award

EXPO Pavilion
Heritage Award



Date:
2015

Client:
Korea Tourism Organization

Surface area:
3,880sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation



Thematic Pavilion

The Theme Pavilion is constructed on the ocean, making it as significant and striking architecturally as the exhibitions it contains.

Seen from the sea, the pavilion looks like small islands scattered along the coast. Seen from the land, the pavilion resembles the back of a whale rising above the waves.

Right from the entrance to the Theme Pavilion, visitors are immersed in the mystery of our oceans and their importance to the survival of humankind.

The lobby leads you to Exhibition Hall 1, 2, and 3, and the Main Show Room, which features touching and memorable friendship between a dugong (a mammal near extinction) and a human boy.



Date:
2012

Client:
KOTRA

Surface area:
3,028sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Thematic Pavilion

With its various images of humankind's efforts to protect the sea, Exhibition Hall 1 & 2 help visitors appreciate the beauty and value of the sea and learn about the grave impact global warming has had on our oceans and coasts and the species that call them home.

The main show of the Theme Pavilion, called "Spring of Life," explores humanity's relationship with our oceans through the friendship between a dugong and a little boy. Dugongs are fascinating mammals. Like humans, they are believed to hold their babies when feeding. They are also included in mermaid myths created by humans. Our fascination with the dugong is the reason it was chosen as a symbol of the Theme Pavilion, as in many ways it connects us with the ocean. The friendship between the little boy and the dugong is expressed through animation and performance, creating a truly memorable experience for the audience. This show conveys the powerful message that we must nurture and preserve our oceans and sea creatures before it is too late.



Awards:

 Bureau International
des Expositions
Silver Medal for
First in History



OCBPA Pavilion (Ocean & Coast Best Practice Area)

Date:
2012

Client:
The Organizing Committee for
EXPO Yeosu

Surface area:
1,855sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Located on the second floor of the Theme Pavilion, the Ocean and Coast Best Practice Area (OCBPA) is the key space of the Expo site that introduces the world's best ocean and coast-related policies, technologies, knowledge and products, with the aim of spurring the development of the world's economy, science, industry and technology through such practices.

The OCBPA is host to a variety of academic and other events and displays rare specimens collected from around the world, and actual marine observation equipment.



Date:
2012

Client:
Hethema

Surface area:
1,024sqm

Service:
Production and Installation
Technical operation

USA Pavilion

Telling America's Story

The USA Pavilion sought to create an experience that communicated America's unique relationship with the ocean and coasts and its strong relationship with the Republic of Korea. To share this story with more than one million guests, the USA Pavilion created a three-part experience to inspire and engage visitors through the unifying themes of Diversity, Wonder, and Solutions, which tied in to the overall Expo theme of "The Living Ocean and Coast."



Date:
2012

Client:
The Organizing Committee for
EXPO Yeosu

Size of Structure:
H:70M


Service:
Production and Installation
Technical operation

BIG-O Show

The Big-O Show on the Big-O Floating Stage
Lights, lasers, and fireworks performances will light up the evening.

The show features a water screen and shoots streams of water while hologram images are shown. The holograms, accompanied by lights and shooting streams, will tell a memorable story of a young girl. Peace, reconciliation and hope are the themes, and each 3-D scene will take your breath away!

The Big-O Show can be viewed at far distance. The 3-D scenes amidst the water spectacles are eye-catching. This magnificent nightly blockbuster show will embroider the night sky right before your eyes.

Awards: "Best Show of the Year" 



Date:
2012

Client:
The Organizing Committee for
EXPO Yeosu

Show time:
70-minute /daily show

Service:
Content planning
Production and Installation
Technical operation

OCEAN Show

The performance is an "ocean play", a new genre, fusing a world-class show with a narrative drama, street performance based on "Korean masked play", an art circus, water stunts and a water stream show altogether. Along with the Multi-media show, this performance is a representative event of Yeosu Expo. Odol of Yeosu tells the tale of King Seolhwa, praying for the harmony of ocean and civilization with the theme of the Land of Ocean Blue.

The ocean characters and Yeonany, a larger-than life, 11-meter marionette, will be accompanied by a thrilling water board and jet-ski stunt show and a spectacular 3-D air circus using wire ropes and trampolines.



Awards:

-  **Bureau International des Expositions**
Silver Medal for Pavilion design
-  **Oscar Award**
Best performance



Date:
2010

Client:
KOTRA

Surface area:
6,000sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Korea Pavilion

Using 'convergence' as the main theme, the Korea Pavilion is an amalgamation of 'sign' (symbol) and 'space': Signs become spaces, and simultaneously, spaces become signs.

Upon entering the second level of the pavilion, the floor opens up to a gigantic 3,700sqm exhibition space, that is enclosed in complete darkness, to provide a controlled environment for the exhibition.

We take advantage of the space by opening it up as an open flat plane, to be able to handle an extremely heavy load of visitor traffic.



Awards:



Oscar Award
Best Technology



Date:
2010

Client:
KITA

Surface area:
4,000sqm

Service:
Content planning
Exhibition Design
Production and Installation
Technical operation

Korea Corporate Pavilion

When you enter the first floor of the pavilion hall, you will go to the third floor through the escalator. On the third floor, the number of meetings between 12 companies and visitors is displayed in numbers using interactive icons such as water droplets and petals.

Another zone on the third floor has a 'media table'. The green technology of 12 companies that can accelerate Green City and the world's largest 'Multimedia Wall (16m)' have been set up in the island of 12 companies consisting of five representative products and services of each company.

While moving from the third floor to the second floor, 'Multimedia Tower (height 6.5m, diameter 4.8m)' attracts attention in the center of the corporate hall.

A total of 192 LCD monitors, in line with the Expo participating countries (192 countries), will be displayed for 6 minutes and 20 seconds of content that Korea and China will create a better world and green city through the value and technology of 12 Korean companies.



Awards:

 **Japan Association for the 2005 World Exhibition**
Gold Medal for Nature's Wisdom Award



Date:
2005

Client:
KOTRA

Surface area:
1,620sqm

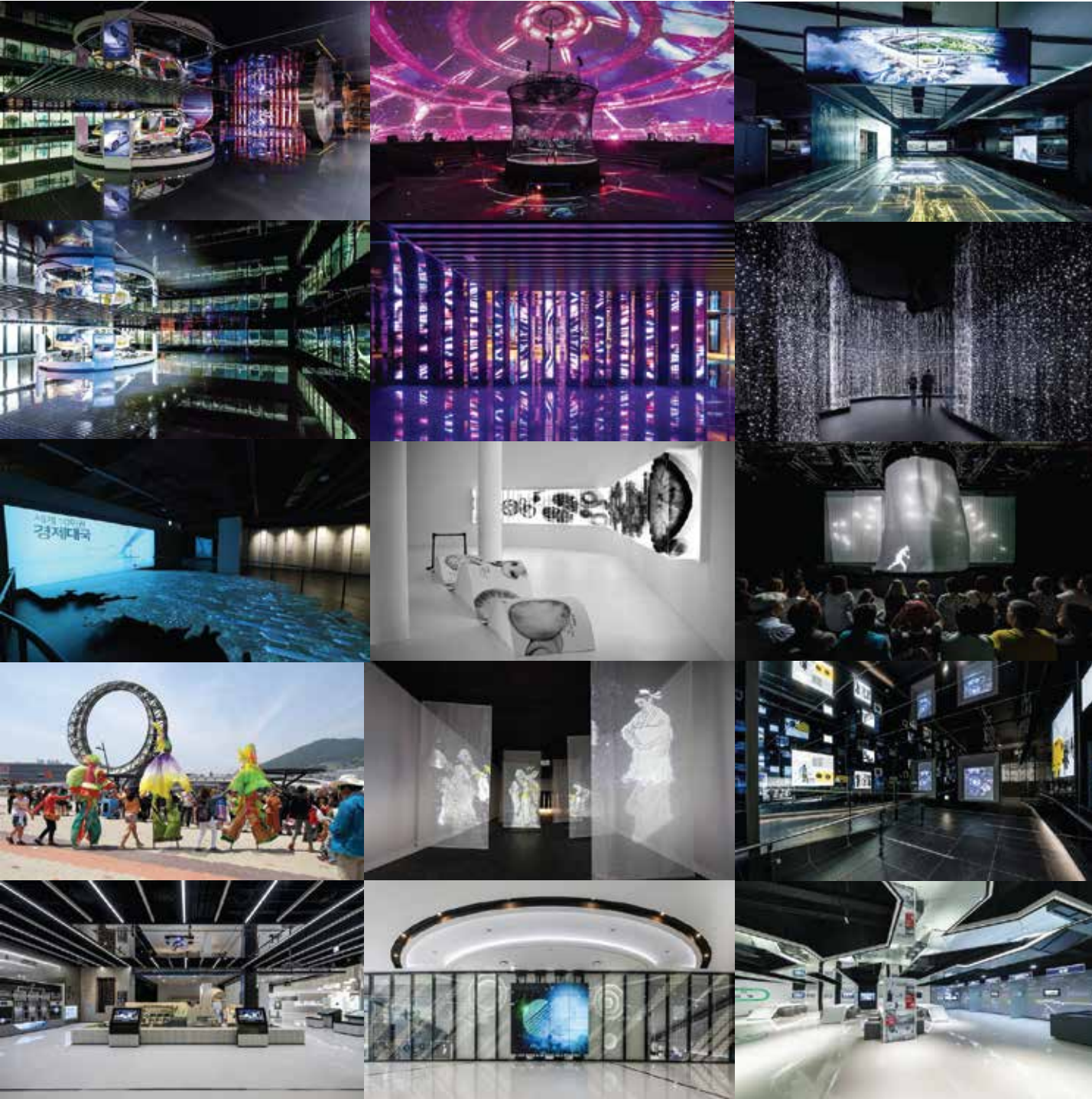
Service:
Production and Installation
3D Animation

Korea Pavilion

The theme of the Korea Pavilion is "Light in Life." Here, the visitor can fully experience the Korean view of nature and outlook of life, which is blended in five traditional Korean colors - **Blue, red, yellow, black** and **white**.

Blue denotes water. On a bluish water screen - a clean symbol of vitality in life - the visitor can see animated fish and other aquatic creatures swimming in the direction of their fingertips. **Red** means fire. The Korean passion. The sun. A metal-melting furnace. All the red-hot vigor presented on screen. **Yellow** signifies soil, the wellspring of life. Here, Korean ceramics crafted by Korean masters are on display along with a large yellow wall picture created from semiconductors.

Black stands for coal, nature. Standing before a screen installed inside a black booth built with natural coal, the visitor will have the sensation of blending into the nature. In addition, the visitor can enjoy the sublime Korean nature through black-ink animated video. **White** represents light. The traditional Korean paper is snow-white and beautiful. A huge box (6 meters by 6 meters) of Korean paper laced with traditional Korean mountain bridgework floats up to 7 meters high. Dozens of varieties of wild pressed flowers, bathed with light from the display box, vie for attention in brilliant shades of white.



SIGONGtech

You will be deeply moved by perfect exhibits, films, system and the best technique of SIGONGtech beyond satisfaction.

Models, replicas, hands-on exhibits, special films, multimedia, special effects, digital contents, cultural assets, exhibition culture and technology research will serve best technique and skill to satisfy you.

