



**BGL**  
INGENIERÍA AUDIOVISUAL

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Museums Presentation 2019

# About us

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To know in depth, to merge and synchronize audio, video, IT, AR, VR and control technologies, allows us to deal with the most advanced projects imaginable.

Successful experiences on numerous projects around the world, make us to be recognized as surety company for cutting-edge technologies integration.

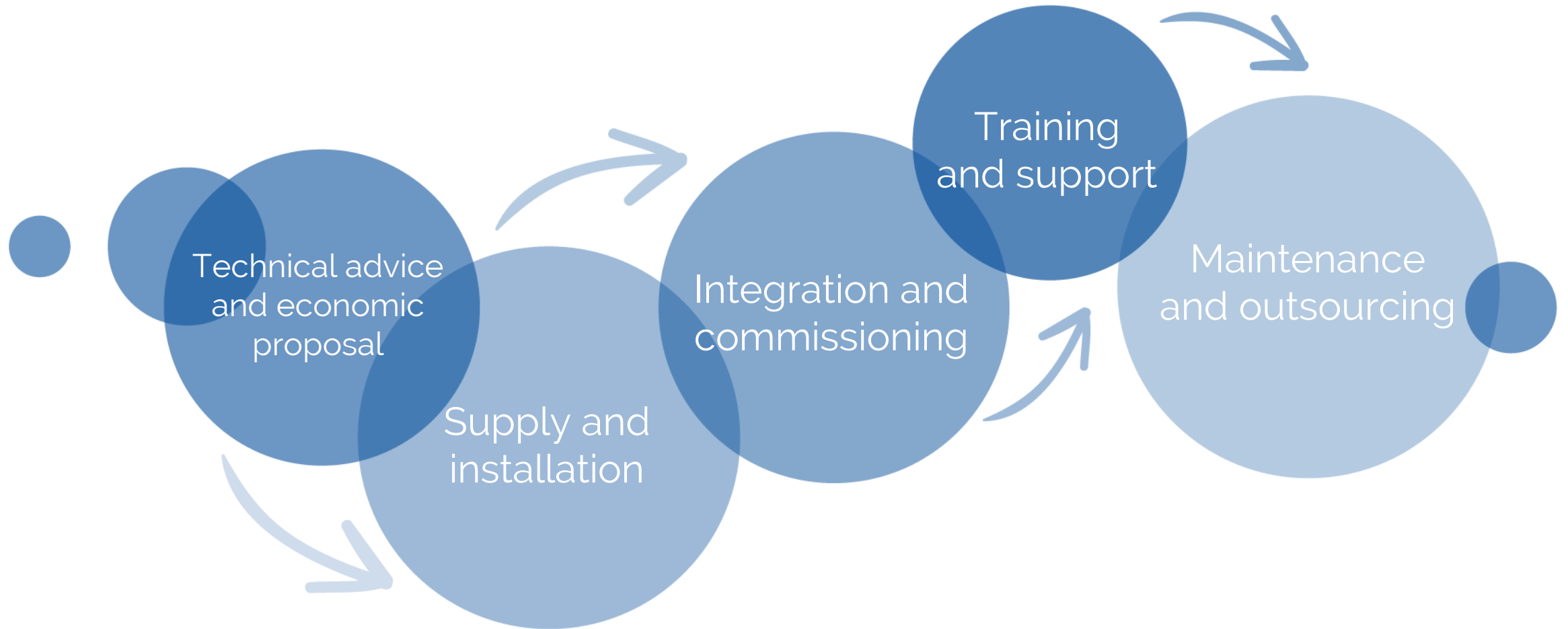
We are part of Grupo Secuoya, leading group in creation, production and distribution of audiovisual and digital content, as well as building relationships between brands and people.

Secuoya leads the transformation of the audiovisual industry in six countries: Colombia, Chile, Peru, Mexico and the United States, as well as having an executive presence throughout the Spanish national territory.

Secuoya provides innovative and disruptive solutions to create, produce and manage any audiovisual product and service, accompanying clients to ensure the success of their actions, both in the way of television content and in the development of “branded content” and “transmedia” strategies to connect brands with their target audiences.



# What do we offer?



# International

BGL Audiovisual started its international adventure with the ONU Pavilion project during Lisbon Expo 1998, Portugal, to subsequently go across the Iberian Peninsula borders.



# Business Line

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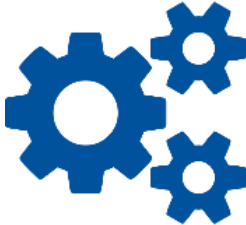
## Museums

Museums, Expo pavilions,  
Temporary exhibitions



## Corporate

Theatres, Auditoriums, Congresses,  
Experience centres & others



## Services

Maintenance, Outsourcing,  
TV Accessibility (Subtitling)



## Broadcast

Television,  
Mobile Units

# Museums



MUSEUMS



EXPO PAVILIONS



TEMPORARY EXHIBITIONS

# Added value for Musems, Pavilions & Exhibitions

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More than 25 years present in the museum and cultural sector allow us to know the needs and requirements of this market. We turn this experience into each and every projects in which we operate.

Our pre-sales and engineering team, composed of engineers and architects with audiovisual experience in unique projects, has worked on multiple museums around the world.

We provide ideas and special developments, manage the facilities and supplies and give the support and maintenance required in each case.

We integrate any audiovisual technology in the market and develop tailored solutions for each project.

# Applied technology for Museums, Exhibitions & Pavilions



Virtual Reality



LED display



Control Systems



Holography



Sound



Geometric correction



Projection



Display



Augmented Reality



Interactivity



Mapping



Players and servers



# Museums: Success stories

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# Qasr Al Watan Presidential Palace

(Abu Dhabi, UAE)



Client: Acciona Producciones y Diseño, S.A.

Located in the grounds of the Presidential Palace of Abu Dhabi, within this emblematic building we could enjoy a historical project that highlights the role of Abu Dhabi as Emirate leader of his nation.

BGL has had the pleasure of collaborating on this project with interactive games, videowalls ... But undoubtedly the jewels of the crowns are the The Council and Al Barza rooms.

## **The Council**

Place where members of the UAE are invited to meetings and other political events. In this circular room we can also enjoy the largest lamp in the world. On the living room walls, two screens of thirty-two meters each have been installed. Five projectors per screen make this rear projection one of the most emblematic rooms of the Palace.

## **Al Barza**

A fifty-meter corridor through which one proceeds almost completely in the dark leads to an immersive room. Consisting of eight projectors, six screens and high-quality audio equipment, this investment room will guide you through the history of Abu Dhabi. Once the show is finished, the screens are automatically raised and the room is illuminated leaving the audience stunned.

# Boris Yeltsin Presidential Centre

(Yekaterinburg, Russia)



Client: Acciona Producciones y Diseño, S.A.

This multifunctional museum is dedicated to the memory of the first President of the Russian Federation, Boris Yeltsin, and it combines socio-cultural, commercial and leisure purposes.

It was opened on November 25, 2015 by President Vladimir Putin and Boris Yeltsin's widow, Naina Yeltsina, and the Center has an exhibition area, an education center, a library, a conference room, an area for holding events and a space for children.

In addition to observing a significant number of objects that belonged to Boris Yeltsin or were contemporaries in their time, like a Moscow trolleybus, visitors can see interactive and immersive audiovisual works, around the historical events of the 90s and the most important political protagonist of The Time.

BGL has taken on the challenge of integrating the latest-generation audiovisual exhibition technology that a project of this magnitude requires. Among the equipment supplied and installed by BGL, it is worth mentioning a curved LED screen of more than 9 meters, an immersive video projection system, and a management and control system that allows the entire Museum to be automated.

# National Museum of Oman



Client: Acciona Producciones y Diseño S.A. (APD)

The recent inauguration of the National Museum of Oman, located in its capital, Muscat, is the zenith of some museum projects managed by the Ministry of Heritage and Culture of the Sultanate of Oman, with the aim of preserving the Omani artistic and cultural heritage. The collection of the museum is composed of 7000 pieces, urban scale models and full-scale replicas complemented by numerous audiovisual and interactive resources, in order to recreate the history of the country in a more realistic and didactic way.

This important cultural reference has relied on BGL for the supply and commissioning of audiovisual equipment. Specifically, BGL has been entrusted with the technical development, supply, transportation, configuration and installation of the permanent exhibition of the museum. In addition, during the year 2016 has also carried out the maintenance of audio and video facilities.

# Presidential Library Olusegun Obasanjo (Nigeria)



Client: Acciona Producciones y Diseño, S.A.

The Presidential Library Olusegun Obasanjo offers in a visual and interactive way the most interesting and inspiring moments of the life of former President Obasanjo. In the museum, we can find different rooms corresponding to the different life stages of the former President.

Specifically, BGL has carried out the engineering and complete audiovisual technological installation of the center. We talk about projections on curved surfaces, projection rooms, interactive and instructive games, interactive tables with valuable information and visualization on monitors with personalized audio of the most influential characters in African and World life.

Thanks to this engineering and the installation of the various audiovisual resources, BGL has shown an attractive way to reach the public successfully.

# Goya – Buñuel Museum (Zaragoza)



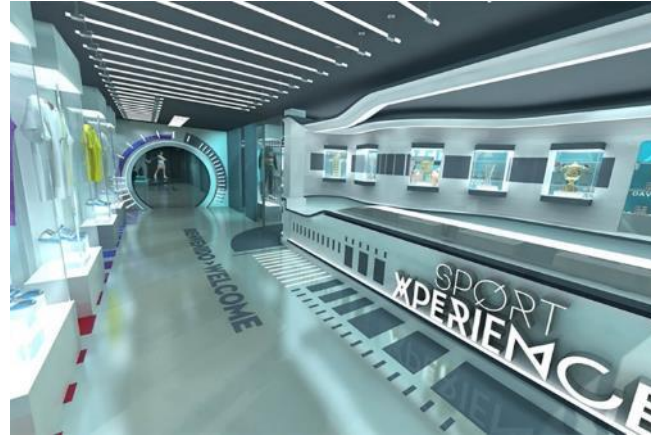
The Museum, that opened its doors on October 3, is divided into two venues, one in the Museum of Zaragoza and the other in the Camón Aznar Museum of Ibercaja.

BGL have installed 6 audiovisuals in the Museum of Zaragoza; five projectors + audio and one Led monitor 65" with two headphones. In addition, we have placed floor gobo projecting Goya and Buñuel signatures.

In the other location, the Camón Aznar Museum of Ibercaja, we have 2 projections with their respective self-powered front speakers and 2 HD-223 players. Here we also have two wall gobos projectors projecting signatures on each of the portraits.

# Sport Xperience Museum by Rafa Nadal

(Mallorca)



Client: Cubensis - Komodo.

BGL performs the integration of the audiovisual equipment of the Sport Xperience Museum by Rafa Nadal. The space, located in the sports complex Rafa Nadal Sports Center of Manacor, offers impressive interactive and exhibition facilities that make this sports museum unique in the world. Sports elements donated by some of the most important athletes in the history of World Sport, multiple interactive screens with curious information about the sport, an unique exhibition of the most important trophies in the career of the popular tennis player from Manacor are just some of the attractions of this area of the Sport Xperience. It should be noted the spectacular screening room with the latest technology in sound and image on a giant screen of 21 linear meters. It is an enveloping screen of 180 degrees in which a video is projected with the collaboration of sportsmen like Pau Gasol, Roger Federer, Cristiano Ronaldo or Tiger Woods.

# Msheireb Downtown Doha Heritage Museums



Client: Acciona Producciones y Diseño, S.A.

BGL has supplied and integrated the audiovisual technology of three buildings, more than 100 years old, recently restored in the Msheireb district of the historic center of Doha, capital of Qatar.

The audiovisual project began in 2013 and it was officially inaugurated on October 20, 2015, by Her Highness the Mozart bint Nasser, highlighting, among other innovations, the use of three 4K resolution projectors in an immersive theater.

Museums illustrated the economic and socio-cultural development of Qatar through the last centuries and are housed in the following buildings:

- Bin Jelmoor House, which presents the history of the slave trade and its abolition.
- Company House, which tells the history of the first workers in the oil industry.
- Mohammed Bin Jassim House, which describes the past and present of the Msheireb district.



# Diocesan Museum «Alma Mater» (Zaragoza)



Client: G.P.D.

Just as the stonemasons carved the capitals to narrate the texts, BGL has used the latest HD projection technology to communicate our client's message on their walls. A composition of images and audio that surrounds the visitor in the spiritual and powerful message of the museum.

# Navigation Pavilion (Sevilla)



Client: G.P.D.

To transmit the visitors sensory experiences of the navigators of the time, interactive applications for the visitor to feel life on board as a virtual reality, applying interactivity to elements such as the rudder and others with perfect coordination of audio equipment, video projection and control for turn the engine room into a reality and to transmit that we are sailing.

Control a sea of LDEDs so that the public feels swept away by the tide, and can get into the vicissitude of our navigators.

Put control and audiovisual technology at the service of a maritime experience.

# National Museum of Underwater Archaeology

## ARQVA (Cartagena)



Client: Acciona Producciones y Diseño

The National Museum of Underwater Archeology is a new way of exposing and understanding underwater archeology.

Within a space that submerges below sea level, the exhibition is divided into two main blocks, the first one, in which the visitor can learn through interactive resources the methodology of underwater archeology, and the second block, in which travel across the history of navigation through scenography and archaeological pieces arranged in spectacular showcases that show the chronological rhythm of the exhibition.

BGL carried out the installation and commissioning of all the audiovisual systems.

# Pikolin Museum (Zaragoza)

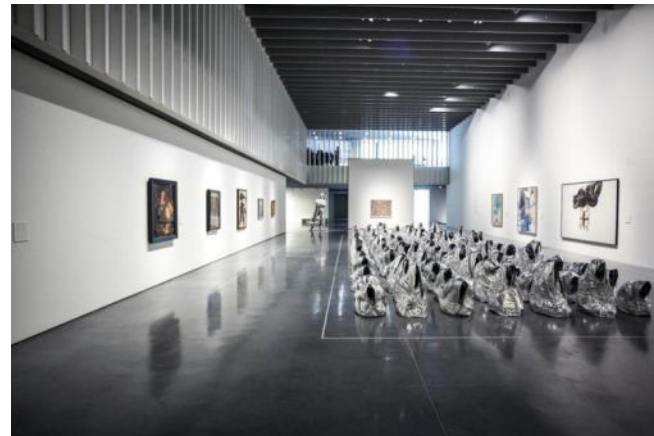


Client: Grupo Transversal.

BGL performs the engineering and integration of audiovisual equipment for the Pikolin Museum in Zaragoza.

Long walls with overlapping projection, synchronized audiovisuals managed by a control system, high quality sound and lighting, projections on mattresses, glass projections simulating holography, join with audiovisual content manage to narrate in a spectacular way the history of this great mattress company that is under the name of Pikolin.

# Centre Pompidou Málaga



Client: DRAGADOS, S.A.

The Pompidou Center in Malaga has been added to the already extraordinary museum offer and cultural who offers the art mile of Málaga. In just over a km and a half square visitors can enjoy, in addition to the Pompidou Center, Picasso's Birthplace, the Picasso Museum, the Contemporary Art Center and the Carmen Thyssen Museum. This entire offer is completed with a subsidiary of the State Russian Museum in St. Petersburg.

The Pompidou Center in Malaga is the first headquarter of the prestigious cultural institution outside of France, constituting to strengthen the relations between both countries. It is located in the refurbished building of the Pier One of the Port crowned by the Cube, a multicolored glass cube called to become the icon of the city.

BGL has contributed to this project the audiovisual technological solution for the Assembly Hall of this new cultural institution. In particular, BGL has supplied and integrated the sound systems, audio and video recording, streaming, video processing and distribution, digital signage, as well as technical control and management. system.

# Repsol Visitors Centre (Cartagena)



Client: CULTURAL MEDIA DESIGN, S.L.

The Repsol Visitor Centre is located in the Complejo Industrial Cartagena, in the region of Murcia.

In the eight (8) rooms of the center, a didactic and historical exhibition of everything about energy is made, from the location of oil deposits, through the extraction, until the elaboration of its various derivatives.

BGL has supplied, installed, integrated and configured the specific audiovisual equipment in each room, for the fulfillment of the formative function of the exposition, in a modern and efficient environment.

In this way, BGL has equipped the Living Room 1 with a rear-projection system and self-powered loudspeakers; The Multipurpose Rooms, 2 Energy and 5 Refinery with HD player systems; or the Cinema Room with a 3D reproduction system. All supervised by one of the most modern control systems on the market.

# Museum of the Alchemy, AL -IKSIR (Córdoba)



Client: Grupo Milar.

BGL performs the engineering and audiovisual equipment integration for the Museum of the Alchemy in Córdoba. It's the first exhibition in Spain with a space dedicated to this field, for centuries, covered all the branches of knowledge and developed in its entire splendor during the Caliphate Córdoba.

The Museum of Alchemy is a private initiative promoted by Salma El Taji Al Farouki, known for her work in front of Casa Andalusí, a space with which the new museum shares the objective of bringing the history and culture of the Islamic period closer to the public in Córdoba. The museum has an exhibition area, audiovisual systems that tell the story of Alchemy, including a giant holographic showcase and an auditorium for presentations, conferences, etc.

# Birth House of the bullfighter «El Cordobés»

(Palma del Río - Córdoba)



Client: CulturalMedia.

BGL has been in charge of providing the audiovisual technology for the Museum of the most famous bullfighter "El Cordobés" in Palma del Río (Córdoba), which was inaugurated by himself in March 2015. The house-museum is dedicated to the figure of Manuel Benítez and to the world of bullfighting in his hometown; it has two floors equipped with one library, a projector room, one for the expositions and also a space enabled for social circle.

"The intention at the time of making this space has focused on break the mold – the same way as the bullfighting of "El Cordobés" –and create an innovative center with new technologies that completely breaks with the classicism known in this type of Visitors Centre", according to the designer.



# Museum of the Memory of Andalusia (Granada)



Client: General de Producciones y Diseño, S.A.

The Caja Granada Museum Memory of Andalusia is the "house of all Andalusians" where its territory, culture and history are exposed. This particular museum reality is possible thanks to an amalgam of audiovisual and interactive media that emerge from the most advanced technology.

Faced with this challenge, BGL has achieved that the Andalusian is reflected in the multiple exhibitions of this cultural center that promotes visitor participation, thanks to the careful installation of 60m long screens, interactive screens or a retractable harrow that acts as "magician" of the museum by converting the auditorium of 500 locations into a large exhibition hall.

These outstanding technological advances allow it to be configured as the most ambitious installation of the old Al-Andalus, its hallmark being to offer a didactic and playful vision for the visitor to immerse themselves in a rigorous historical reading.

# Greco Museum (Toledo)



Client: General de Producciones y Diseño, S.A.

Managed directly by the Ministry of Culture, this museum pays honors the figure of El Greco, Domenikos Theotokopoulos. It shows to the public a representative sample of the sixteenth and seventeenth centuries, of his life and work, but also of the culture and society of Toledo at the time.

Audiovisual resources are one of the key pieces that differentiate the Greco Museum in our country. And in that eagerness of singularity, BGL participates and has captured its technological skills in the different screens that make up the exhibitions, as well as in the audiovisual rooms. Audio and video combination in HD of audio and that surprises, in a genuine way, any visitor who comes to Toledo to delight its sight before such works of history.

# Museum of the Treasures of Aga Khan (Istanbul)



Client: General de Producciones y Diseño, S.A.

In the capital of Turkey, we did a museum exhibition that had a large audience in the celebration of "Istanbul, European Capital of Culture 2010".

This temporary exhibition brought together one of the best collections of Islamic calligraphy and managed to show the art of books through manuscripts, ceramics, textiles and architectural elements.

# Archeological Museum of Almería



Client: Acciona Producciones y Diseño.

A new and conceptual approach to go inside the world of archeology.

BGL integrated audiovisual systems of a museum that revolves around a sculptural and conceptual axis that gets the shape of a full-scale stratigraphic column. From this column the different rooms are developed from a common point of currency, with sculptural and artistic elements that show us the relevance of the archeological and stratigraphy elements to get to know the societies that lived in the southeast of the Peninsula.

# Jorge Oteiza Museum Foundation

## (Navarra)



On May 18, 2003, the Jorge Oteiza Museum Foundation was inaugurated in Alzuza (Navarra) in honor of one of the patriarchs of Basque art and one of the great sculptors of the 20th century. This collection consists of more than 1500 sculptures, 600 drawings, 2000 sketches and 5000 books and writings from his personal library.

BGL was selected as the supplier and installer of the audiovisual equipment of the Jorge Oteiza Museum Foundation, both for the exhibition area and for the Assembly Hall. This Hall is equipped to hold conferences, press conferences and presentations. In the area of the stage there are computer jacks and AKG microphones, while in an adjoining room there is located the electronic part and the installed in a rack with VHS magnetoscopes. It also has an electric and roller screen, a video camera for recording events, sound equipment and a projector for video and data that remains hidden when it is not being used.

In the Space Biology room, we can find two Sony VPL-PX11 video projectors and a VPL-PX5 and in the "Astillero de la Palabra" room another copy of VPL-PX11. The projectors show the life and work of Javier Oteiza continuously. In another area there are three Kodak Carousel slide projectors showing the work of Oteiza and the museum's architect, Saez de Oiza.

# Winery 5J Visitors Centre

(Jabugo, Huelva)



Client: Sánchez Romero Carvajal Jabugo, S.A.

The legendary Bodega 5J is located in the heart of the Dehesa in Huelva, with a century-old history in preservation and breeding of the purebred Iberian pig, with which they elaborate the Iberian products appreciate worldwide.

The winery has improved its facilities and a new center of visitors has been opened where the whole process of making Iberian ham 5J is shown in a didactic and entertaining way.

BGL has been the technological company selected to provide the Centre with the appropriate Audiovisual media for its new functionality.

To this end, BGL has supplied, installed and integrated the video projection, reproduction, ambient audio and audio guide systems of the exposition halls; as well as the control system, presence detection and other auxiliary equipment in the technical control room.

# Dinópolis (Teruel)



Client: Government of Aragon

This cultural, scientific and leisure park is dedicated to paleontology and dinosaurs. It generates and advises the contents of the exhibitions through multimedia screens that reproduce HD sounds of dinosaurs and manage to surround the viewer in a spectacular historical and paleontological environment; they spread paleontology and conserve paleontological goods. Since 2001, the park has been a popular attraction in Spain, boosting the tourism and leisure sector, taking advantage of the paleontological wealth of the province of Teruel.

# Museum of Equestrian Art

(Jerez de la Frontera, Cádiz)



Client: Andalusian School of Equestrian Foundation

The Andalusia archaeological vestiges highlight the figure of the horse around the Guadalquivir River during the time of the Iberians. Since then, going through the games of canes between the gentlemen from Jerez during the Middle Ages, or after the Renaissance, when these games become equestrian shows in Jerez, until in the 20th century the Royal Andalusian School systematizes this tradition.

Using the most innovative museographic techniques and multimedia and interactive technologies to facilitate each visitor to investigate the equestrian art.

The welcome room has a capacity for 65 people where visitors are received and the first explanations are given, it is equipped with a spectacular projection system and 7.1 sound that impresses the visitor.

In the different rooms we provide systems in several languages and adapted for visitors with hearing disabilities, in which we are shown the information through HD screens as well as the creation of interactive games and virtual characters with whom we can talk.



# Museum of the National Library (Madrid)



The wise combination of historical elements with elaborate and careful audiovisual content allows reaching all kinds of audiences. At the same time, a better understanding of the works by the National Library is obtained.

Large plasma displays screens, projectors and touch screens, with a stable and solvent infrastructure, allow the user to interact with multimedia equipment in real time. It is the "museum of the answers" in which as a didactic game, questions are thrown at the visitor who will find answers within the showcases and explanatory texts, all this is achieved thanks to the highest technology infrastructure and equipment.



# Army Museum (Toledo)



Client: G.P.D.

Dependent of the Ministry of Defense, this state museum promotes the Spanish military history knowledge. But also it hosts business thanks to the most advance audiovisual technology that BGL has installed in this unique environment and of special aesthetic and cultural interest. The symbiosis between HD video and audio that BGL has implemented is fundamental to carry out cultural activities and other events: concerts, photographic, journalistic and cinematographic reports, filming, meetings, presentation... The surface of the Auditorium is of 270 square meters, has 204 seats and owns all kinds of audiovisual media necessary for the celebration that take place there: simultaneous translation booths, public address system and projection booth.

# Museum of Cycladic Art (Athens)



Client: General Producciones y Diseño, S.A.

The Museum of Cycladic Art is one of the great museums of Athens (Greece).

The Museum is dedicated to the study and promotion of the ancient cultures of the Aegean Sea and the Island of Cyprus, with special dedication to Cycladic art.

This permanent museum exhibition includes the daily life of ancient Greece. Magnificent classic objects are exhibited with illustrations that reconstruct scenes of daily life: children's games, weddings, politics and wars.

# «Guitar Room» Visitors Centre

## Phosphorite Flamenco Centre (Córdoba)



Client: Cultural Media

BGL has once again demonstrated its superiority in the difficult task of fusing art and technology at the Phosphorite Flamenco Centre in Córdoba, where it has supplied the audiovisual technology of the Guitar Room.

It is a new exhibition space dedicated to the history of the flamenco guitar in which BGL has arranged a hologram of a luthier in its construction workshop. This pays tribute to the meticulous handicraft work carried out by the flamenco guitar luthiers, an art in which Córdoba has had a long list of professionals of international prestige.

# Chillida Leku Museum



Client: Chillida Leku Museum

A hamlet and large space of gardens located in Zabalaga (Guipuzcoa) is the principal scene in where this museum is located.

Chillida's work lives in the privacy of Zabalaga with an open door to study and research. The Chillida's place can be visited and analyzed by scholars of the artist's work.

BGL carried the design and installation of the Auditorium audiovisual elements, shop and library, integrating perfectly the audiovisual technology in the museum environment.

Being able to contemplate images of the artist working on his work, as well as specific projections of documentaries related to Chillida.

# History Centre (Zaragoza)



The History Centre of Zaragoza occupies a new building that reinterprets the space occupied by the church, cloisters and convent of San Agustín. The center is divided into four visitable plants where the different exhibitions are arranged.

The technical team of Expociencia and BGL has developed a museum project of the evolution of Zaragoza from historical perspectives through the use of cutting-edge technologies in audiovisual communication.

In the lobby five plasma screens suspended were installed to welcome the visitor. In the basement was located an audiovisual system consisting of a video projector and five showcases to explain the concept of time.

On the second floor there is an audiovisual scenography with sound systems and video projection systems to show the river as an active agent of the city. In the other rooms, a plasma screen, baffles, projector systems, hidden monitors ... They place the Zaragoza History Centre within the most advanced models of European cities, opening to the celebration of meetings, congresses and conventions and being a quality framework for the development of cultural activities.

# History Museum of Valencia



Client: General de Producciones y Diseño, S.A.

This museum is not a traditional museum but it is considered one of the alternative in Spain.

This installation gets a high participation of the visitor to the point of reliving and sharing moments, sensations and experiences, thanks to the care and rigorous content supported in a powerful audiovisual technology.

Who has not asked how Valencia was years ago? The answer is not in a traditional static exposure but in a time machine. BGL has recreated a time machine that shows a virtual reality

of Valencia appearance throughout its last years of history. The visitor chooses an era and navigates through it receiving an amalgam of historical data of the time.

# Cus Valdespartera (Zaragoza)



Client: Zaragoza Town Hall.

The Centre of Sustainable Urbanism is a block with a trapezoidal plant. It is provided by a built surface of 1.352,73 m<sup>2</sup>, the building features 6 levels (-1, 0, +1, +2, +3 and a covered level), connected each other by a ramp that falls from the roof.

The building aims to be a sustainable "model" based in the efficiency in its installations and a "part" of the bioclimatic technics of energy saving applied in the urbanization, that's why in the building and its surrounding it has been integrated a large number of technologies and innovated energetic equipment's (geothermic energy with heat pump and radiating floor, biomass boiler, quenching buried pipes, absorption system by refrigeration...)

In this building they collect all the data that contributes to the remote control network in Valdespartera, a fiber optic network that allows measuring the consumption of all the networks from the public services of the sector, besides a series of parameters on energy consumption and comforting conditions in the housing.



# Assembly Archaeological Baelo Claudia

## Bolonia (Cádiz)



Client: Empty.

BGL has performed the audiovisual installation for the Archeological Ensemble of the Roman ruins in memory of Baelo Claudia.

This coastal town already existed at the time of the Phoenicians, the Romans took advantage of the settlement to install factories of seafood and establish a small colony that was growing progressively. We are talking about the 2nd century B.C.

The life in this city has developed until an imprecise moment of the centuries VI-VII A.D. It was an ideal base port to connect with the neighboring Tingis, in the current Tanger and also had an important production of salted fish, fishing and the famous Garum sauce, very appreciated in Rome.

Little by little, the constant progress of the Mauritanian pirates, production crisis and some natural catastrophes ended with this city whose greatness we can only glimpse today.

# The Montsec Astronomical Park

## Ager (Lérida)



Client: Consorcio del Montsec.

Installation of a 360-degree Full Dome Digital Planetarium located on the Montsec Mountain, an ideal place to make observations since it has one of the most "clear" skies, in other words, with less light pollution for the observation of space through its telescopes. To observe the stars, the dome is motorized and opens to make way for the giant telescope located in front of the projection system. For the visualization of the image captured by the giant telescope there is a system of monitors embedded in each of the seats installed. We also control the opening and closing of the dome as well as the rise and fall of the telescope.

The installed computer system allows visualizing productions in full dome format or sky recreations at any time. To this end, a state-of-the-art audio and video server system with software applications is used to adapt and overlap the image to the dome, a high resolution projection system located in the center of the room and 7.1 surround audio system.

To make the multipurpose room, a frontal projection system was also installed for the realization of presentations, conferences, with connection box for laptop, video source...and wireless microphone system, using the same audio system.

# Expo Pavilions: Success stories

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# UAE (United Arab Emirates) Pavilion

## Expo Astana 2017



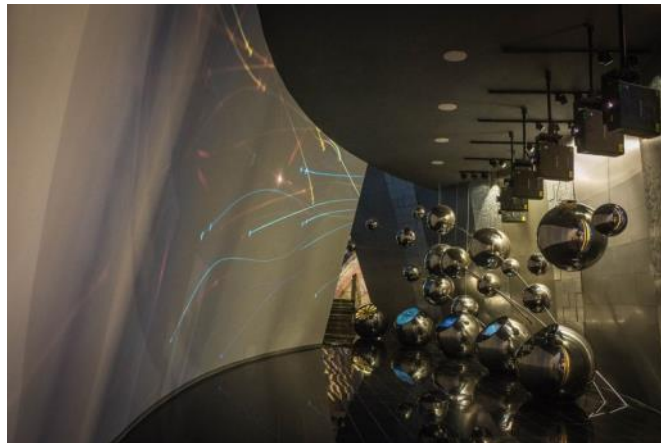
Cliente: Acciona Producciones y Diseño.

The United Arab Emirates Pavilion at Astana Expo 2017 focuses itself on showing the country's advances in technological development and scientific research in the renewable energy field, as well as exposing its experience in the energy sector. More than 1000 m<sup>2</sup>, as well as the VIP are of 650 m<sup>2</sup>. The impressive theater has a 270 - degree screen that includes floor and ceiling projections, to show the past, present and future of the UAE's energy technology, establishing connections between traditional methods of sustainability and cutting-edge technologies are being carried out in the different renewable energy fields. The exhibition areas uses a wide and varied deployment of multimedia resources, where its base elements - land, water, wind, heat-, and its dimensions - from the microscopic to the colossal-exemplify the dynamism in energy innovation.

BGL performed the installation, engineering, commissioning and maintenance during the Expo.

# Kazakhstan Pavilion

Expo Astana 2017



Client: Acciona Producciones y Diseño.

The Pavilion was the main building of the Kazakhstan Pavilion, designed with a sphere shape divided into eight thematic floors. The first dedicated to the National Pavilion and the other seven left are dedicated to a different technology for the energy generation. BGL was responsible for the execution of the two level exhibition area of the building; the first has 2.400 m<sup>2</sup> dedicated to the host country Kazakhstan, and the second level, consists in 800 m<sup>2</sup> dedicated to hydropower. The Kazakhstan pavilion highlights the beauty of the country's nature, emphasizing aspects related to its culture, traditions and projects about future energies. The main audiovisual of the show is synchronized with an interactive show related to the famous Kazakh myth of the Bayterek. In the second level, dedicated to hydraulic energy, the visitor can find different ways of using water, from a replica of an old Hama mill and play workshops for the little ones, to the most innovative technologies on the use of energy waves and tides, emphasizing the potential of water as an energy source for the future.

# Spain Pavilion

## Expo Astana 2017



Client: Acciona Producciones y Diseño.

Conceived around a large central square from which is distributed the rest of the spaces, the Spain Pavilion is a metaphor of the global hamlet where we live in.

Under the motto, "Spain, Energy for the Planet", the pavilion shows the wealth of natural resources in the country, the innovative and pioneer potential of the Spanish enterprises in the world sector, the climate change problem and their energy sources the best way possible. Coordinated by Spanish Cultural Action (SC/A), who has been devised by ACCIONA Productions and Design (APD), following a creative, conceptual, evocative and metaphorical design, and informative in its background. Its exhibition content includes five audiovisual in different styles, from the immersive to other more dynamic and emotive, giving shape a projection surface which sums the 116 m2.

BGL performed the installation, engineering, commissioning and maintenance during the Expo.

# Russia Pavilion

## Expo Corea 2012



Client: G.P.D.

Russia Pavilion exposes the development of the Arctic and the North Sea Route. Through a great multimedia and digital show with a perfect combination of new technologies and large dimensions of multiprojection with blending, which manage to immerse the visitor in the Arctic experience.

Control of integrated systems for a multimedia synchronization that provide the visitor with an unparalleled sensory spectacle. A room with special screen and unique projection simulates being in the prow of a ship accompanied with visual and acoustic effects. Enjoy a virtual dive in the Emotional Diving Zone room, through numerous strategically located and hidden projections in the room, so that visitors can feel that they dive and sail.

# Galicia Pavilion

## Expo Zaragoza 2008



Client: Expociencia.

Water is present in all the elements that make up the landscape of Galicia, its livelihood and its wealth. Is its soul and its reason for being. Galicia owes everything to its water and the Galicia Pavilion is a very fair way to pay tribute to it.

A giant screen of thirteen meters long and seven meters high is the central element of the Pavilion. It is a structure formed by 3,000 water samples collected by a team of specialists who have traveled through the 315 municipalities of Galicia. This peculiar wall forms an interactive screen on which images of the region are projected. In front of the screen, the pavilion offers a space for relax. A chill-out atmosphere where you can rest and capture the sensations that the place transmits. On the left side of the room we can see a row of screens through which visualize, among other resources, the making of water catchment and access to tourist information of the community.

BGL carried into effect all the audiovisual installation and engineering of this pavilion.



# Aragón Pavilion

## Expo Zaragoza 2008



Client: Acciona Producciones y Diseño, S.A.

In an immense room occupied by mirrored prisms and crossed by a river of water treated in a sustainable manner, an unique and innovative audiovisual show is developed.

The area "Aragón: Agua y Vida" has the traditional commitment of this community as a thread with the sustainable use of water and is made up of a selection of representative pieces of Aragonese art, photographs and audiovisual. But the main space of the pavilion is an immense room in which the spectacular audiovisual "Aragón: Water and Future", by the Aragonese Carlos Saura, takes place. On the river course and on the floor of this room surrounded by prisms with black mirrors, an audiovisual is developed which shows Aragon's the artistic cultural wealth of Aragon, combined with projections that interact with visitors.

BGL performed the installation, engineering, commissioning and maintenance during the Expo.

# Acciona Pavilion

## Expo Zaragoza 2008



Client: Acciona Producciones y Diseño, S.A.

The pavilion design is based on the spiral concept, a symbol of transformation and is divided into three exhibition areas: Earth, Water and Air.

The Earth Zone represents a large crack from which numerous everyday objects emerge and it narrows gradually, oppressing the viewer and conveying the need for change. The Water Zone is an interactive space that responds to the action of the visitor and whose objective is to raise awareness of the need to act together to achieve significant changes in our environment. The Air Zone, formed by a landscape of suspended spheres, showing the activities of ACCIONA in its commitment to sustainable development.

BGL performed the installation, engineering, commissioning and maintenance during the Expo.

# Valencia Pavilion

## Expo Zaragoza 2008



The pavilion incorporates elements that symbolize different milestones of this land being the central element of an amphitheater that "symbolizes the boat of the Latina" and represents the opening of the Comunitat "to the sea."

Under the slogan "Water and sustainable development", with a message with a content about sharing and being in solidarity with water, a resource "free, born free and does not belong to anyone."

The objective of the Pavilion is for visitors to take the image of "an open, cheerful, friendly and integrating land", but also "a very serious and with a convicting message".

# Temporary Exhibitions: Success stories

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# Exhibition «The Hunt: Princely Pursuits in Islamic Lands»

## Islamic Art Museum (Doha)



Client: General de Producciones y Diseño, S.A.

The exhibition shows the relationship between art and hunting in the Islamic World.

The design starts from the basis that the hunting culture has traditionally been an essential element of the lifestyle of the Islamic rulers and used to show this innovative museum resources link as immersive projections of large dimensions and interactive screens.

BGL performed the installation, engineering and commissioning of AV systems.

# «The Art of Travel» Exhibition

Al Riwaq Hall, Mia (Doha, Qatar)



Client: General de Producciones y Diseño, S.A.

This temporary exposition is held at the Al-Riwaq Hall, an artistic place attached to the Museum of Islamic Art (MIA) in Doha. The exposition is dedicated to the Polish traveler Bartholomäus Schachman, and it shows the watercolors he made during his travels through the Ottoman Empire, between 1559 and 1614.

BGL has been in charge of the engineering and technical direction of the audiovisual systems of this project, where it has contributed with its more than 30 years of experience, in the design and integration of these systems applied to museum environments, to get the visitor to be impregnated by all the chromatisms and essences that the artist captured in his paintings.

# «What about the art?»

Al Riwao Gallery, Islamic Art Museum (Doha)



Client: Acciona Producciones y Diseño, S.A.

During the year 2016, the Al Riwao Gallery in Qatar, within the Museum of Islamic Art (MIA), Doha (Qatar), exhibited the temporary exhibition "What about the art?" an exhibition of paintings, sculptures, installations and performances of 15 Contemporary Chinese artist, where their culture and society have been shown.

Thanks to the intervention of BGL, among other companies, the art exhibition was a cultural success and audiovisual experience, curated by the renowned artist living in New York Cai Guo-Qiang.

The artworks, which highlighted the distinctive creative search of each individual participant, have used a wide variety of audiovisual devices in order to awaken these sensations.

For this, the use has had a wide variety technological solutions, in which BGL has participate as a company in charge of the supply, installation, commissioning and maintenance of the audiovisual equipment. They have highlighted the devices in the Sound and Image area, which allow interactivity with the visitor by controlling projectors up to 10.000 lumens, 1080p, 70" and 80" LCD monitors and large LEDs (2.5 x 3.5 m and 3.00 x 5.00 m) in interior and exterior, and surround sound system for a total of 16 galleries, two halls and an outdoor area close to the MIA.

# Exhibition «Hajj, the Journey through Art» Islamic Art Museum (Doha)



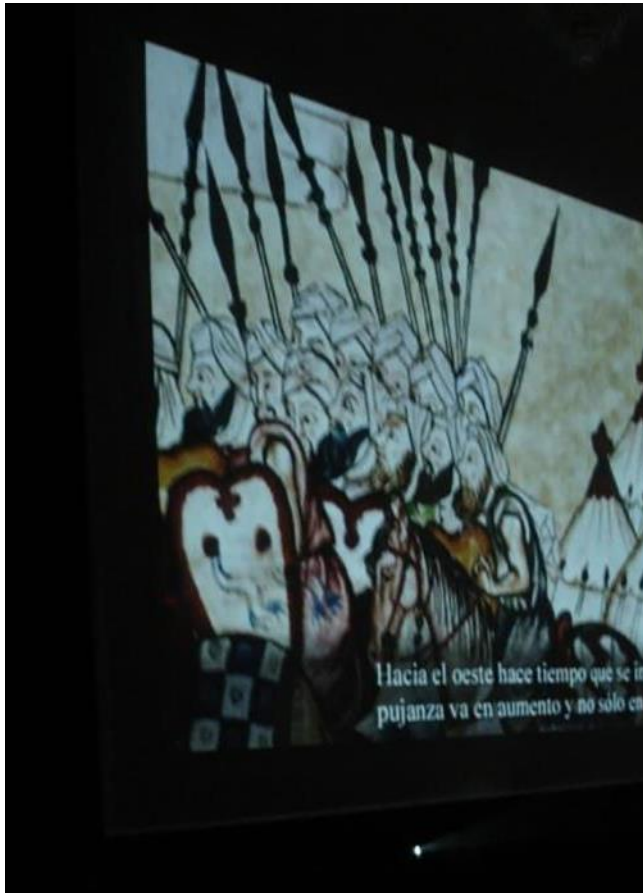
Client: General Producciones y Diseño.

Comprehensive Project that harmonizes a sequence of sacred contents, more than 200 pieces from the most important museums and institutions in the world, organized in circular spaces that symbolize the stations that the pilgrims cross before prostrating the Ka'aba, the sacred place and the most important religious pilgrimage in Islam. The scenographic light unifies an almost magical atmosphere, where the art pieces become treasures that transmit their origins and meanings.

BGL carried out the Audiovisual Engineering and integration of the exhibition.



# Exhibition IBN JALDÚN between AL-ANDALUS and ALGERIA



Client: General de Producciones y Diseño, S.A.

We have provided equipment to the Palace of Culture of the capital of Algeria, Algiers. The exhibition took place from March to May 2007 and it represented a review of political, economic and social relations between East and West; and between Europe and the Arab-Maghrebi world in the fourteenth century.

We installed large format graphic panels in which a comparative chronology of the fourteenth century is recorded and a review of the life of the thinker Ibn Jaldun was made, giving special relevance to the role of Science and Letters in the Mediterranean environment, and to the contemporary characters of Ibn Jaldun .

# Seljuks Exhibition

## Turkish and Islamic Art (Istanbul)



Client: Boris Micka Associates.

The renovated Museum of Turkish and Islamic Art has reopened its doors with the temporary exhibition "Seljuks", dedicated to the vast and mythical Seljuk Empire during its period of splendor between the XI and XIII Centuries.

In "Seljuks" the cultural heritage of the Seljuk society is shown, with special attention to its architecture and daily life. The exhibition includes various archeological pieces, tapestries and original manuscripts, as well as reliable reconstructions of the architectural achievements of the Seljuk culture.

The exhibition is completed with animated projections, which surprise and attract youngest visitors, based on manuscript and illustrations, which move the daily stories of the Seljuks to our days.

BGL has contributed to the success of this temporary exhibition, in a decisive and effective way through the design, supply and configuration of video projection systems, one of them consisting of three (3) synchronized projectors to achieve a projection area of 9 x 2,85, in addition of the corresponding audio systems.

# Grand Palais Exhibition (Paris)

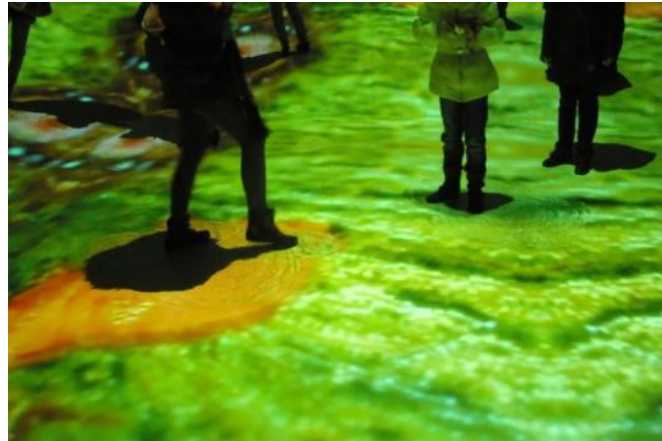


Client: General Producciones y Diseño.

Within the exhibition "De Byzance à Istambul, un Port pour deux Continents" we installed the audiovisuals of the introduction to the exhibition, with a video about the geological origin of the Bosphorus Strait, a synchronized projection on 3 screens with servers controlled by remote control, with images of society, life and costumes of the time.

The exhibition finishes with 4 synchronized Full HD projections about 15 m of base.

# Barcelona Zoo Exhibition



Client: General de Producciones y Diseño.

Temporary exhibition on the occasion of the transformation of the Barcelona Zoo.

We installed a mirror room with projection and interactivity.

The visitor felt he was walking through the water when he stepped on the interactive floor with images of the city of Barcelona and the zoo animals on the background.

# Clients of Museums, Pavilions & Exhibitions

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