



MUSEUM

P R O J E C T R E F E R E N C E

BMW Welt

■ MUSEUM PROJECT REFERENCE

Germany

Located in Germany, BMW Welt has a Teen Center Hall which is divided into two floors with a total area of 460 square meters, showcasing automotive products of BMW at different stages.

The function of each small hall is different, which requires the lighting effect to foil the functional characteristics of each hall. With HDL Buspro lighting control system installed, the Car Model Showroom of BMW Welt can create a fancy effect through the changes of sound and lights, and bring the visitors a superior visual and audio experience.



User interfaces & Functionality



IPAD



WALL PANEL



LIGHTING



SENSOR



SCENE CONTROL

Daqing Museum

■ MUSEUM PROJECT REFERENCE

Heilongjiang, China

Located in the Daqing development area, Daqing Museum covers an area of 18700 m². HDL together with a famous art group in Shenyang built the natural ecological area of Daqing Museum through advanced multimedia control technology and the application of art.

The museum automated the HDL Buspro system to control the audio, lighting, and electrical devices of the demonstration system in the natural ecology exhibition area. The vivid blend of animal specimens with music and lighting effects will take the audience back to the past.



User interfaces & Functionality



WALL PANEL



LIGHTING



MUSIC



SCENE CONTROL

Dalian Natural History Museum

■ MUSEUM PROJECT REFERENCE

China

The Dalian Natural History Museum installed the HDL Buspro system, which was developed and manufactured by HDL to control its lighting, audio and electronic devices.

For example, with just a little touch on the button, the audience can experience the different virtual natural landscapes through the weather simulation in the museum. These effects contribute to the brilliant stage scenes and precious animal species, together impress the audience with strong artistic impact.



User interfaces & Functionality



IPAD



WALL PANEL



LIGHTING



MUSIC



SCENE CONTROL

The Helan Horse Culture Museum

Jiangsu, **China**

The Horse Culture Museum, which was designed by famous lighting designer Mr. Gao Feng and his team, was mainly to show the ancient relics of Chinese horse culture and the manual carriages from European craftsmen.

There are six lighting areas in the museum. The team designs different lighting effects based on the differences in cultural relics, thus highlighting the sense of culture and history at large. For example, the embedded wall lamps and track spotlights are used to light the caves and the intensity of light is used to reflect the transition of the display area.

HDL automation control system makes the lighting control of the museum much easier. Apart from controlling multiple lights and switching scenes on one panel, staff members can also use their mobile phones to control the lighting, which greatly improves the management efficiency of the museum.



User interfaces & Functionality



IPAD



WALL PANEL



PHONE



MUSIC

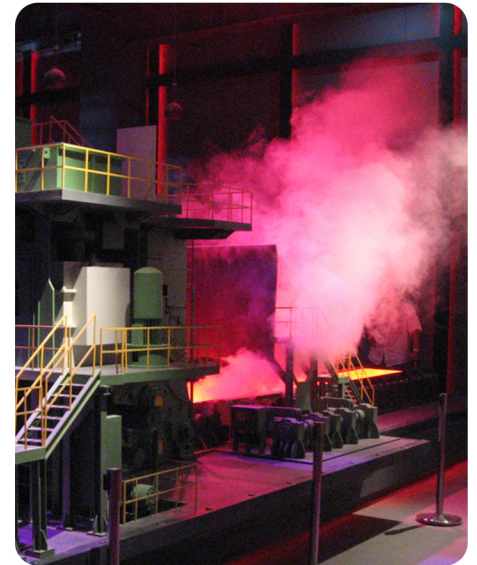
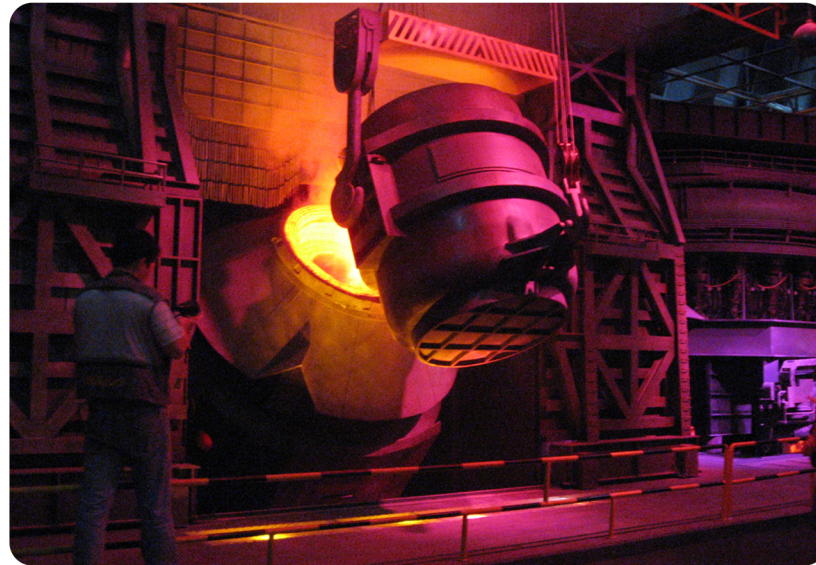
WISCO Museum

■ MUSEUM PROJECT REFERENCE

Wuhan, China

As the first historical museum in China's steel industry, WISCO Steel Museum occupies a construction area of about 11,000 m² and an exhibition area of more than 6,000 m², mainly recording the development history of WISCO and the Chinese steel industry over the past 50 years. The high-tech simulation area on the third floor shows the scenario simulation from mining to steel making. The museum automated its demonstration system with HDL Buspro lighting control system to make more realistic effects.

By matching the actual sound effects of each simulation scene, HDL uses intelligent lighting scene editing software to control the required lighting scene. The controlled device changes synchronously according to the change of the sound, which produces a huge and vivid dynamic visual impact effect for the audience.



User interfaces & Functionality



WALL PANEL

LIGHTING

MUSIC

SCENE CONTROL

SENSOR

Wood Sculpture Museum

■ MUSEUM PROJECT REFERENCE

China
Zhejiang,

Located in Dongyang, Zhejiang Province, China Wood Sculpture Museum occupies an area of 26,000 m² with 6 independent showrooms. The museum is automated with KNX control system manufactured by HDL, managed by different showrooms and all the devices can be centrally controlled. The system not only helps achieve the essential lighting effect of the museum but also saves the labor cost.



User interfaces & Functionality



WALL PANEL



LIGHTING



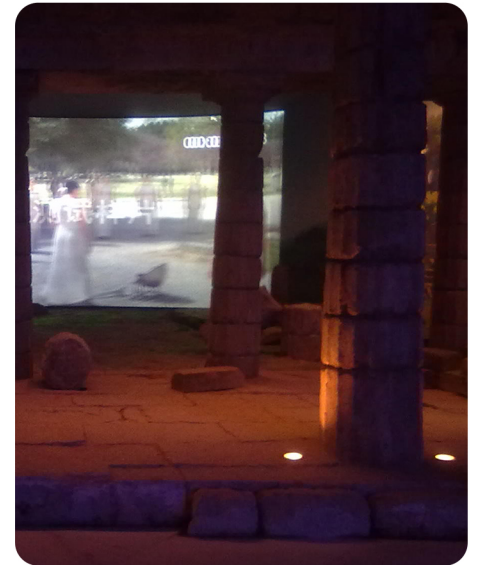
SCENE CONTROL

Beijing Olympic Museum

■ MUSEUM PROJECT REFERENCE

Beijing, China

Located on the first floor of Beijing National Stadium, Beijing Olympic Museum, with HDL Buspro lighting Control System installed, its six exhibition rooms realized the intelligent lighting control, which includes dynamic lighting and scenes setting, etc. The museum is equipped with HDL devices such as High Power Switch Actuator, 512CH DMX Scene Controller, panels, and dimmers.



User interfaces & Functionality



Mehmed VI Museum of Modern and Contemporary African Art

Morocco

Mehmed VI Museum of Modern and Contemporary African Art named after the King of Morocco is the first large-scale public museum built in accordance with international museum standards in Morocco, and about 400 best pieces of Moroccan art are stored here. According to the technical requirements of the museum on lighting design, HDL has recently upgraded the lighting system in the halls and employs the right ambiance to bring out the beauty of contemporary art from this mysterious country.

With the HDL lighting system, the exhibition organizers may freely and conveniently choose suitable lighting parameters for the works in the exhibition. For example, the exposure time of light-sensitive works can be preset in the system to ensure proper protection.

In order to create different scenario ambiances for different art shows, HDL installed smart panels in the museum for exhibition organizers to recall the preset scenarios with one touch. They may also regulate the lighting manually according to the actual situation to avoid repeated operations unnecessarily.



User interfaces & Functionality



KING TUT MUSEUM

📍 Egypt

The museum is located in the southern part of the Sinai Peninsula in Egypt and is the most important tourist attraction in the area. It houses a collection of 1-to-1 replicas of King Tutankhamun from the Egyptian Museum, all created under the supervision of the Ministry of National Antiquities. The museum presents visitors with the highest level of visual and lighting design.

We used HDL products to customize the lighting effect for this museum, which can help the museum save energy and provide a good lighting environment. Intelligent lighting control systems are installed for threeshowrooms with dimming modules, all of which can be controlled from Granite Display and Enviro panels.



User interfaces & Functionality



WALL PANEL



LIGHTING



SCENE CONTROL

Albanov Museum of Polar Explorers

Russia

The exposition of the museum has over a hundred artifacts and various exhibits. The largest of them is the 19th-century Admiralty anchor, which has already become a new art object in Ufa. Also, the museum has created specialized premises — a cinema and a saloon for cultural and educational events and masterclasses.

HDL had implemented the automation of the electronic exposition for the control of lighting, multimedia equipment, content playback, and scenarios. Two scripts were made for switching on and off the whole exposition. We made LED dimmable lights with built-in TRIAC drivers controlled by MOSFET modules. A pair of relays from a 16-channel relay module is attached to each curtain. Switching on and off the power of electronic kiosks is done through the 16 CH Relay Module.



User interfaces & Functionality

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 WALL PANEL
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 LIGHTING
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 SCENE CONTROL
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 SHADING

Classis Museum of Ravenna

■ MUSEUM PROJECT REFERENCE



To best present the precious objects contained in the museum, the Company Media Integra improved the exhibition with the support of audio, video, and adequate but not invasive lighting. HDL solutions handle over 300 illuminated bodies, in various scenarios. During the design of the various environments of the museum, everything started with the lighting management. It was necessary to consider the management of over 300 lighting fixtures, all in DALI, with the possibility of being able to control them individually.

Each of the lamps present in the museum is manageable even individually. Users are able to create specific scenarios in each area. It is sufficient to program the scenarios involving the various lamps and save the related configurations to be used throughout the day. The lighting, audio, video, heating, and cooling management was entirely entrusted to HDL solutions: controllers, programmable gateways, Enviro 4.3" and touch screen switch.

With HDL we have created the correct atmosphere to offer the visitor, we have lit up in the right way and enhanced the various archaeological finds that, inevitably, are exhibited permanently. Furthermore, the control of temperature and humidity in the correct way is fundamental for the optimal maintenance of archaeological finds.



User interfaces & Functionality



WALL PANEL



LIGHTING



SCENE CONTROL



AC

Tumurun Private Museum

Indonesia

SRITEX is the biggest Indonesian textile and garment company in south east Asia. Starting as a hobby, the SRITEX owner collecting artworks. Then he decided to create a private gallery which later name Tumurun Private Museum in Solo, Central Java. HDL provide lighting control, dimming and on/off, FCU control, and Iridium apps to manage the museum ambience. To have a great ambience of a gallery/museum, lighting control held a major role to make the exhibits turn to live.



User interfaces & Functionality



IPAD



WALL PANEL



LIGHTING



SENSOR



SCENE CONTROL



AC

THANKS