

case study | Industrial Bank of Taiwan

Taipei, Taiwan



The Challenge: Design an easy-to-operate lighting and shade control system for the Industrial Bank of Taiwan's new headquarters building in Taipei. The systems needed to match the grace and elegance of the new structure while integrating electric light with natural light to create a healthy and energy saving environment.

When the Industrial Bank of Taiwan (IBT) built its new headquarters in Taipei's Nei Hu Technology Park, the building was to stand as a symbol of the financial institution's growing market presence and strength. IBT chose Lutron's HomeWorks® and GRAFIK Eye® lighting control systems as well as Sivoia QED™ shade system to provide automated lighting control to maximize the design and achieve the desired ambience.

Project Requirements:

- A lighting control system with flexible ambient lighting for public and private areas such as lobbies, ballrooms, concert halls, boardrooms, and offices. The lighting needed to include preset scenes for daily operation and different uses including press conferences, banquets, performances, conferences, and lectures.
- The system had to be convenient to use and easy to manage.
- The system also had to incorporate shades to reduce glare and maintain a comfortable working environment for IBT's staff while not impairing the view of metropolitan Taipei's skyline.



When Kevin Cook of Hospitality & Leisure Asia was tasked with designing a new headquarters for IBT, the overriding goal was to change the traditional image of a financial institution with a more elegant, artistic look while still reflecting strength and prosperity. The new IBT headquarters features a globe shape with retreating layers of balconies on two sides, allowing access to sunlight and a view of the city from every floor. Sloping in elegant curves, the marble outer walls of the first and second floors and the reflective fiberglass walls from the third floor up give the IBT headquarters a jewelled, crown-like appearance that demonstrates both royalty and power.

IBT hired internationally renowned lighting designer, Ren Kung Yao to create an interior ambience that capitalized on the architectural design and clearly expressed the bank's dedication to pursue innovation. "Of course, the lighting system had

"Usability and energy savings were key requirements for the lighting system"

Mr. Lin Wu Chai

Deputy President, Industrial Bank of Taiwan

to be practical as well. Usability and energy savings were key requirements for the lighting system," explained Mr. Lin Wu Chai, Deputy President, Industrial Bank of Taiwan.

Yao recommended a Lutron lighting control system based on his many positive working experiences with Lutron's products. After a series of demonstrations, the bank's senior management

A lighting control system with grace, elegance, and intuitive design



was impressed by the advantages, effects and convenience of the Lutron lighting control and shade systems and was convinced that Lutron could meet their high expectations.

The building features a multi-function auditorium, an art gallery, and a saloon along with conference rooms, a boardroom, and executive offices on various floors that would all require lighting and shade systems. Lutron worked closely with Yao, Litenet—the lighting control contractor—the building’s designer, and IBT’s management staff to install its HomeWorks® system in the first floor lobby, the third floor concert hall, the eleventh floor President’s and GM’s offices and the conference room, and the twelfth floor ballroom, small concert hall and boardroom. Lutron’s GRAFIK Eye® preset lighting control system was installed in guestrooms and lift lobbies on the 11th and 12th floors. Lutron Sivoia QED (quiet electronic drive) window shade system (amounting to 99 rollers in total) was used in all rooms on the 11th and 12th floors and was integrated with lighting control systems for daylight and electric light. In all, the IBT building has a total of 214 control zones and over 100 scenes for different light and shade settings—all managed by Lutron’s sophisticated systems.

Full-length glass was installed in some areas to let visitors and customers enjoy the beautiful scenes along the Keelung riverbank and some of Taipei’s best-known landmarks, including Taipei 101, Shin Kong Skyscraper, the Taipei Airport and Ta Chi Bridge. However, too much sunlight can raise the indoor temperature and create glaze and reflection on computer monitors. Lutron’s Sivoia QED shades system solved those problems.

“The Lutron Sivoia QED® shading system is extremely quiet and doesn’t disturb any ongoing activities as the roller shades move in unison across multiple windows in the work areas.”

Mr. Lin Wu Chai

Deputy President, Industrial Bank of Taiwan

“The Lutron Sivoia QED shading system is extremely quiet and doesn’t disturb any ongoing activities as the roller shades move in unison across multiple windows in the work areas. The energy savings we are enjoying from keeping the ambient temperature down by blocking the hottest direct sunlight is a major plus,” said Lim. This shading system was integrated with Lutron’s HomeWorks system with built-in astronomical time clock. The time clock automates changes in light and shade levels according to time schedule in order to maintain a comfortable working environment throughout the day. “It was very impressive and required very little care once configured,” added Mr. Lin.

Other critical features making the Lutron systems convenient and reliable include remote access control and RTISS™ (Real Time Illumination Stability System) technology, which filters voltage variations that can cause light to fluctuate, ensuring a consistent and quality lighting performance.



Project Name:

Industrial Bank of Taiwan, Taipei

Architect:

Kevin Cook of Hospitality & Leisure Asia
Interior Design

Lighting Designer:

Ren Kung Yao of Chroma 33

Lighting Control Contractor:

Litenet Corporation

“We are also impressed by the power-failure memory feature of Lutron’s HomeWorks system,” added Lim. “If power is interrupted and restored, lights will automatically return to their prior levels, and the system programming is retained in non-volatile memory and is not affected by the loss of power.”

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Mr. Lin Wu Chai

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“The Lutron systems IBT installed are very stable with good quality. We were also satisfied with the professional services provided by all parties throughout the whole project,” said Lim. “We will definitely consider using Lutron products again in the future.”



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P/N 367-1615/EA



Products used in this project:

HomeWorks® Lighting Control System
GRAFIK Eye® Preset Lighting Control System
Sivoia QED™ Shading Solution