One of San Francisco’s landmark buildings is able to preserve its heritage and still meet 21st-century energy codes and strict environmental standards by introducing four state-of-the-art Lutron solutions: EcoSystem™ lighting controls, GRAFIK Eye® pre-set controls, Sivoia QED® shading system, and Quantum™ whole-building lighting and energy management solution.

“We take pride in being a principle-driven company that adheres to a strict set of core values. Lutron’s sophisticated products helped us maintain those values by successfully bridging this building’s heritage with present-day eco-standards.”

— Mark Mayfield
— Bently Reserve, San Francisco
selected to create a unique ambiance – maintaining the building's classic beauty while making it very green and functional. The beautiful flooring was selected from renewable sources; artificial lighting was designed to interact with the natural light, and our preferred caterers were selected based on quality, as well as their environmental practices. “Such attention to detail has paid off. The facility now stands out as a leader in San Francisco's green movement as it leverages its rich history along with a growing concern for energy savings and sustainability. It has also led to the incorporation of innovative technology that gives the Bently Reserve a competitive edge.

For the ambiance, technology and energy savings it would bring to the building, Bently Reserve decided to deploy Lutron lighting control technology throughout the core and shell of the facility. Tenants who would later rent the 150,000 square feet of office space were left to choose for themselves the lighting over the years, the lighting system would follow. It’s a challenging standard to achieve, but one that everyone is willing to embrace.”

The second floor of the Bently Reserve contains videoconference rooms available for public use. Lutron used a GRAFIK® Eye preset architectural lighting control system as well as Sivoia QED® controllable shading products on the building’s original windows. The intuitive GRAFIK Eye system is used to create, store, and easily recall preset scenes that adjust the levels of lights and shades.

Mayfield offered another explanation of the benefits provided by the GRAFIK Eye/Sivoia QED combination. “The clients who would rent out these conference rooms would have the option of using the preset specific intensities to control all the lights and shades without the need to remember settings. Presenters can control the lights using the GRAFIK® Eye system from any point in a room via remote control, and the Sivoia QED shades work with the GRAFIK® Eye system to further support presentations, as the presenters can adjust shades differently for video presentations, group discussions, or other work.”

Lutron had to create modules specifically for this project in regards to system integration,” said Kim. “Additionally, Lutron had to create a BACnet interface so that all the systems will be speaking the same language, essentially, and working with each other.”

Both the tenants and owners are excited about the fact that Lutron’s updated lighting system allows the Bently Reserve to continue to maintain the rich history that has already established it as a landmark building, while helping the environment and accommodating the tenants simultaneously.

To tie everything together, the Bently Reserve uses Quantum, while building light and energy management solution. Quantum monitors, alerts, and reports on lighting energy usage, lamp age, and overall system health. Lutron used the GRAFIK® Eye preset architectural lighting control system, and the Quantum system is configured to interact with the other systems and manage electric light and daylight and can lower energy consumption by 40% or more, contributing to LEED® certification points. Building owners and facility managers gain total, simple control of the lighting system as well as the power to configure, monitor, analyze, and report on the lighting and energy data it collects.

Other building systems, such as heating and ventilation, were also updated during renovation. Lutron worked to ensure that Quantum would integrate smoothly. Through a BACnet (Building Automation and Control network) interface, Quantum connects to a central Building Management System (BMS). Quantum communicates the occupancy vacancy status to the BMS, which adjusts the new HVAC system to save energy. “Lutron had to create modules specifically for this project in regards to system integration,” said Kim. “Additionally, Lutron had to create a BACnet interface so that all the systems will be speaking the same language, essentially, and working with each other.”

Mayfield concluded: “The clients who would rent out these conference rooms would have the option of using the preset specific intensities to control all the lights and shades without the need to remember settings. Presenters can control the lights using the GRAFIK® Eye system from any point in a room via remote control, and the Sivoia QED shades work with the GRAFIK® Eye system to further support presentations, as the presenters can adjust shades differently for video presentations, group discussions, or other work.”