



Government Building Showcases SylSmart

Boeverbos government building, Brugge, Belgium

Lighting manufacturers have long recognised that installers play a key role in project delivery, and success often depends on a straight-forward installation process. When Sylvania designed SylSmart Connected Building, such considerations were front of mind. The result is a quick-to-install, easy to use, fully-controllable lighting system that works equally well in new-build or refurbishment applications.

HAPPY CUSTOMER

A recent installation of SylSmart Connected Building carried out by Quintiens NV (a Veolia Company), at the Boeverbos government

building in Belgium, highlights this approach. Tino Bracke, project manager was delighted and, was, in particular, pleased to have the site up and running in a very short time when specifying and installing SylSmart luminaires. Tino Bracke said: "Thanks to the luminaires featuring embedded SylSmart control technology, no new cabling was required in the Boeverbos building. Due to the system being plug and play by nature, it allowed us to replace existing devices in a truly short time and to configure them per room/zone and area. This gave us the major advantage of working in specific phases in buildings, while allowing occupants to continue working. The client was extremely happy with this minimum level of disruption for the employees and the much-improved lighting from the refurbishment."

OPTIMISED, COMFORTABLE LIGHT

The Belgian government building required a new, future-proof LED system that delivers top



Client

Provinciehuis Boeverbos, Brugge, Belgium



Key Outcomes

- Minimum disruption: no new cabling required, no installation downtime
- Occupancy control & daylight dimming for comfort
- Improved lighting levels for compliance
- Significant energy savings



Luminaires installed

- Rana Neo SylSmart enabled
- Insaver Slim
- START Panel
- START Flex
- Ludospot 50

Smart controls used

- SylSmart Connected Building

Smart Services used

- Turnkey Installation & Commissioning



of its class lighting as the traditional 4x18W fixtures were inefficient and a better, more comfortably lit environment was required. A total of 767 recessed fixtures have been therefore replaced in the workstations, offices and conference rooms by Sylvania Rana Neo LED, a very low glare rate (UGR15) and low luminance fixture (650cd/m2 at 65°) that enhances occupant comfort especially when exposed to PC display during the whole day.

The new installation is powered by the SylSmart Connected Building solution and its smart sensor integrated in each luminaire to provide the right amount of light at the right time, and at the right place, and also gives the occupants the ability to take control and customise the ambience, resulting in much more comfortable spaces.

SylSmart Connected Building is a sophisticated system that brings all the features expected from a modern lighting control solution to this government building, including, daylight and occupancy detection, light levels control, as well as grouping and scene setting. With all the intelligence sitting in the smart sensor and its non-volatile memory, the new installation does not need any centralised devices to operate (removing single point of failure) and uses the ability of these smart devices to operate in a decentralised and qualified Bluetooth mesh network where intelligence is distributed across each node.

“SylSmart luminaires are intelligently designed and include the latest technology onboard. Therefore, ease of integration, simplicity in programming, flexibility and adaptability in design were guaranteed, ensuring the project ran smoothly from beginning to end.” – said Tino Bracke

“I was positively surprised about the ease and speed of commissioning. I expected it to be more complex like traditional controls. On-site technicians were able to commission the system with a bare minimum of training.”

REDUCED ENERGY COSTS

Sylvania’s LED technology coupled with the SylSmart solution ensured the system maximises savings at Boeverbos LED fixtures refurbishment generates 57% energy savings compared to the previous installation, and SylSmart can add on top of that an additional 68% savings to reach up to 86% energy savings. So the transition from conventional “obsolete” lighting installations to LED lighting, when combined with occupancy/vacancy detection and daylight harvesting, ensures a very good ROI for owners and users.

ACCELERATED COMMISSIONING

In order to reach the right balance with massive energy savings and occupants’ comfort, it is important to run through commissioning activities which will setup the system to match user expectations. In collaboration with its technology partner Silvair, Sylvania delivered accelerated installation including commissioning activities by pre-configuring the whole installation offsite, drastically reducing time spent on site.

Using the intuitive SylSmart App, on-site technicians with the minimum training simply transferred the configuration to the luminaires without having to spend time designing or planning any control strategy.

SylSmart Connected Building also provided maximum flexibility by utilising digital floor plans and configurations. Settings were adjusted quickly and easily through the Connected Building app. In in case of changing layouts, the lighting can be easily reconfigured, and the switches simply moved to suit the new environment. And all of that without any compromise in the security of the system.

The finished project looks stunning and today provides a great quality of light throughout the property. SylSmart Connected Building also made the installation easy to monitor, control and adapt as well as ensuring significant savings in maintenance costs and energy consumption.

Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Current details should therefore be checked with Feilo Sylvania International Group Ltd.