



ENERGY REFURBISHED OFFICE BUILDING

HARALD MEYER INSTALLATIONEN GMBH,
SITTENSEN



FACTS AT A GLANCE

ILLUMINATION WITH LIGHT MANAGEMENT SYSTEM

Replacing the outdated electrical equipment of the old office building would only have been possible at great expense. Therefore, with the wireless VIVARES ZIGBEE light management system, the technical basis for a modern, efficient and interactive lighting solution in this old building was created - including fast installation, easy commissioning and convenient handling.

DYNAMIC LIGHTING

With its dynamic light adjustment, the BIOLUX HCL system provides ideal lighting in meeting rooms and individual offices with less daylight.

STATE-SUBSIDIZED RENOVATION

As a result of the comprehensive energy refurbishment, the lighting modernization was designed to meet the requirements for state subsidies under the KfW 276 program and the federal subsidy for efficient buildings (BEG).

VIVARES ZIGBEE SYSTEM



BIOLUX HCL



ENERGETICALLY RENOVATED OFFICE BUILDING THROUGH EFFICIENT LIGHTING

WITH THE ENERGY-EFFICIENT REFURBISHMENT USING THE VIVARES ZIGBEE AND BIOLUX HCL SYSTEMS, THE HARALD MEYER INSTALLATIONEN GMBH IS OPTIMIZING THE WORKING CONDITIONS FOR ITS EMPLOYEES, SAVING ENERGY COSTS AND BENEFITING FROM GOVERNMENT SUBSIDIES.

THE CHALLENGE

The Harald Meyer Installationen GmbH wanted to replace the entire lighting in its office building in Sittensen with an efficient and intelligent lighting solution. For the planning and implementation of the new lighting concept, the structural and electrical conditions of the old building had to be taken into account. The criteria for receiving funding under the KfW Program 276 and the German federal funding for efficient buildings (BEG) also had to be met.

THE SOLUTION

The customer contracted LEDVANCE with the refurbishment of the lighting in the entire office building. To meet the requirements of the funding programs, LEDVANCE's lighting concept relied on sensor-controlled lighting management systems that increase lighting quality, reduce energy costs, and flexibly adapt to the needs at the workstations. The wireless VIVARES ZIGBEE light management system with PANEL luminaires was installed in an open-plan office. Meeting rooms and individual offices with little daylight were equipped with the BIOLUX HCL system. DOWNLIGHT luminaires with motion sensors were installed in the reception area, corridors and toilets.

THE BENEFITS

With the energy refurbishment, the customer received a lighting concept that combines optimized lighting quality with interactive lighting solutions and significantly lower energy costs. Thus, regardless of the outdated electrical equipment in this old office building, the VIVARES ZIGBEE system enables a modern, efficient and sensor-controlled lighting solution. Even in the meeting rooms and individual offices with little daylight, the dynamic light adjustment of the BIOLUX HCL system and its selectable light modes create the optimal working lighting at all times. In the corridors and toilets, sensors for lighting control ensure energy-efficient lighting. The new lighting concept also meets all the requirements for obtaining government subsidies.

SUMMARY

The Harald Meyer Installationen GmbH has refurbished its old office building in Sittensen and equipped it with an efficient and intelligent lighting solution. This refurbishment enabled the company to take benefit of the state subsidy programs KfW 276 and BEG. LEDVANCE implemented a lighting concept that meets the requirements of the workplace guidelines, optimizes the quality of light, reduces energy costs, and supports the well-being and performance of employees.

„Due to our good previous cooperation, we were happy to choose LEDVANCE again. And rightly so: because the efficient and intelligent lighting concept was a decisive contribution to the successful energy refurbishment of our office building.“
Mark Meyer, Managing Director, Harald Meyer Installationen GmbH, Sittensen



Modern VIVARES ZIGBEE light management system installed in old office building



Energy-efficient DOWNLIGHT luminaires in the reception



... and in the floors of the office building