



# EUROVEA multi-purpose centre in Bratislava

## PROJECT SHEET NO. 5

Heavy-current electrical installations  
throughout a series of buildings.



# 838,000

We installed 838,000 m of heavy-current power lines throughout the entire EUROVEA complex, along with a high voltage power supply, main and secondary supply lines, socket and light installations, and power lines for architectural and decorative lighting in the interior and the exterior of the complex.



Thanks to the cooperation between the purchasing and implementation departments, we were able to complete and hand over a project the size of 16 football stadiums.

“We have participated in many projects. Among others, we ensured the supply and installation of heavy-current electrical installations for the EUROVEA project, which was awarded the title ‘STRUCTURE OF THE YEAR’ in 2010.”

### EUROVEA

In collaboration with Strabag, BK group contributed to the creation of the EUROVEA complex, one of the most significant landmarks of Slovakia’s capital. This series of buildings, with a total surface of 230,000 m<sup>2</sup>, is located on the bank of the Danube River and creates a multi-purpose area for the city of Bratislava. The complex consists of several parts, namely: a shopping centre, comprised of shopping units, cafés, and restaurants; entertainment and leisure areas; office premises of the highest quality; a luxurious residential area; the 5\* Sheraton Hotel with 209 rooms; and an underground car park. An integral part of the complex is the riverside park with a promenade and a square.

### Scope of cooperation

From 2008 - 2010, BK group ensured the supply and installation of heavy-current electrical installations throughout the entire EUROVEA complex, comprising a surface area larger than 16 football stadiums. Our task was to supply and install high-voltage power lines, on-site and emergency lighting, a set of 10 transformer stations with an overall performance of 15.1 MVA, and an electrical standby system (2 diesel generators with a performance of 1.4 MVA each), including fuel management for 24 hours of backup electricity. In addition, BK group’s team of specialists installed 17 main electrical rooms and over 570 further secondary distributors throughout the entire complex.

15.1

The overall performance of the installed structure is 15.1 MVA, as ensured by ten high-voltage transformers.

2.8

To ensure continuous power supply to the structure, we used two standby diesel generators with a performance of 1.4 MVA each.

### Project challenges

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**Quality** Our services are provided in compliance with the quality management system pursuant to ISO 9001, one of the basic components of international standards intended to ensure the quality of products and services.

**Unique size** The size of the project required a professional and sufficiently-large team of experts on the part of BK group, which managed a team of over 100 assembly workers on a daily basis throughout the course of construction.

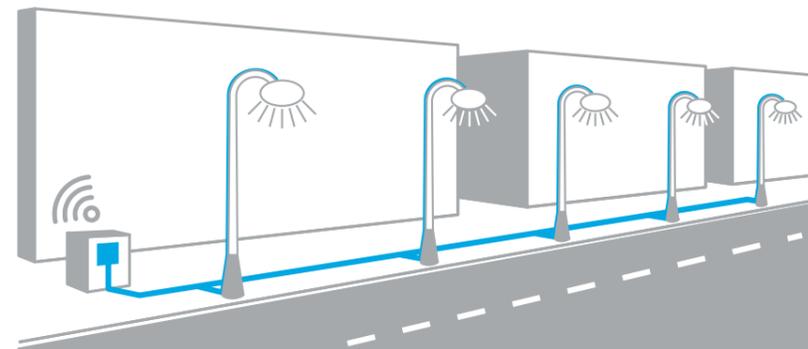
**Diversity** We implemented a comprehensive range of independent functional units within a single project: hotel, residential premises, office premises, stores, car parks, façade lighting, and a square with a promenade.

## Lighting under control

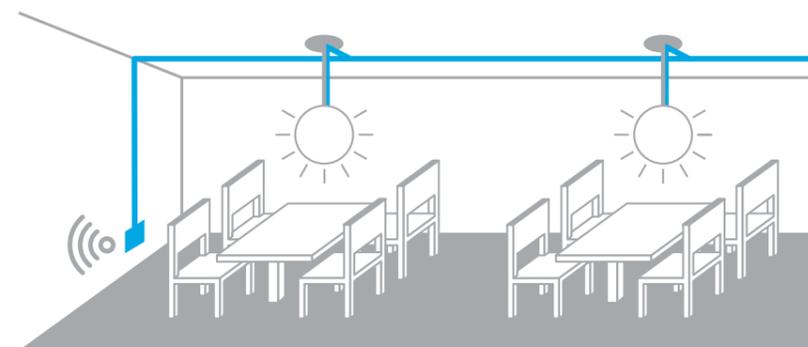
Thanks to smart lighting control, we are able to adapt the premises to individual needs regarding the use of light. From a cosy restaurant to a dance floor, a conference room to a concert hall. This system provides complete freedom in terms of lighting design and has practically no restrictions as far as the size of the project is concerned, with the only restriction being how far can we let our imaginations wander. A complex systems solution can be achieved through the integration and control of other peripheral equipment located

in the building, e.g. ventilation and air conditioning, heating, shading, projectors, outdoor lighting, irrigation, etc. All of this can be controlled from one or more places using various intuitive and elegant interfaces, such as remote controls, touch panels, computers, and smart phones. Everything is customised according to the needs and requirements of the Client through the use of countless colour and material varieties.

EXTERIOR



INTERIOR



We transform our experience in the field of MEP into tangible and functional structures.

# 570

In addition to 17 main electrical rooms, we installed over 570 further secondary distributors for the Client.

# 838,000 36,901

We used 838,000 m of cables for heavy-current power lines within this structure.

Supply and installation of 36,901 light fixtures in the interior and exterior of the complex.



## About BK group

Based on years of experience, BK group brings its clients comprehensive and efficient solutions and savings in the field of building technology in compliance with EU and global standards. During its 20+ years of existence, the group has provided its services both in Slovakia and in foreign markets, primarily in Romania, Russia, Algeria, and Chad. BK group's customers include local and multinational companies operating in the residential and administrative, commercial, public, and industrial sectors.

We are building insiders. Our individual client approach, personal involvement, and pro-client thinking, along with an expertise in all areas of our specialisation, enable us to assume full responsibility and liability for our clients. This results in the provision of professional services and long-term, honest relationships with our clients. Thanks to our experience, accountability, and flexibility, we enable our customers to develop their core businesses at a faster pace.

Related documents can also be found at [www.bkgroup.info](http://www.bkgroup.info)

## Building Insiders



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