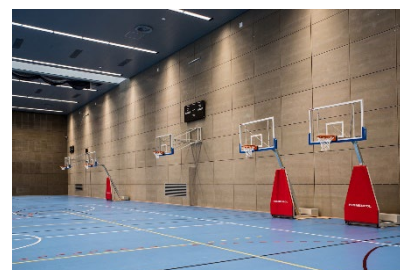
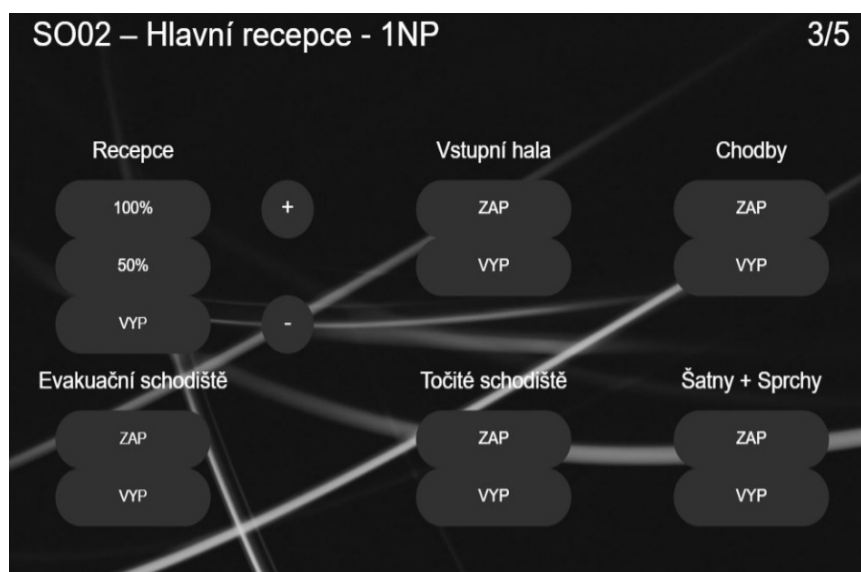


Contract name:	Řepy Sports Centre
Location:	Na Chobotě street, Prague 17
Author:	doc. Ing. arch. Jiří Buček
Designer:	SIAL architects and engineers spol. s r.o. Liberec
Building solution:	Ing. František Bielik, Ing. Martin Mašek, Ing. Josef Franc
Supplier:	GEOSAN GROUP a. s.
Construction type:	Sports building
Construction period:	2018-2019
Description:	To control the artificial lighting of a new multi-purpose building of the sports centre Na Chobota, parts SO01 Sports hall, SO02 Hostel and indoor swimming pool and outdoor lighting of playgrounds were used luminaires with DALI control circuits and switched luminaires connected to the DALI remote control system of Helvar. The individual lighting circuits are controlled via touch control panels from selected areas . The DALI controlled circuits and the individual touch panels are interconnected . The auditorium of the sports hall has a basic capacity of 280 spectators, which can be increased by telescopic stands of 120 spectators in three rows up to a total capacity of 400 spectators. The basement of the sports hall contains an open parking lot, service and technical facilities.

Technical description:	The advantage of this project is the router solution. DIGIDIM routers 910 and 905 were installed across the sports centre. Combined with the Scene Touch graphic panels that were placed in each of the rooms throughout the building, the lighting can be controlled centrally or locally , exactly as required. The panel located at the reception desk allows central control of the lighting, while the local panels control the lighting in individual rooms. DALI controlled circuits and individual touch control panels are interconnected via WIFI switches and Ethernet routers and DALI routers .
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Detailed technical information:

The portable touch control panel ODP1 controlled from the reception of the building SO01 controls the gym, the dimmable circuits of the reception of SO01, the switched circuits of SO01 for corridors and staircases, toilets and changing rooms in 1NP and in 2NP. The switched circuits of the car park SO01 in 1PP are additionally controlled by motion sensors.

The ODP2 portable touch control panel located at the fitness reception bar of the SO02 building controls the dimmed circuits for the fitness reception bar and the switched circuits for the entrance corridors, fitness foyer and the entire evacuation staircase.

The portable touch control panel ODP3 (see picture) located at the reception of SO02 controls the dimmable circuits of the reception of 1NP, the switched circuits of SO02 (lobby, corridors, corridors of the hotel part, connecting corridor between SO01 and SO02, evacuation staircase and spiral staircase, wellness changing rooms, toilets and showers for wellness, light advertising on the roof of SO02) and the switched circuits of outdoor playground lighting. Outdoor lighting for pathways, car park, plaza and petanque court is controlled automatically from the RVO switchboard using time switching. ODP3 is the master overhead control panel, allowing control of the entire centre. It takes over the function of all other control panels in SO01 and SO02 if required.

The ODP4 touch control panel controls the dimmable circuits in the pool of the SO02 building and the switched circuits of the pool shower lighting from the lifeguard room SO02.

The ODP5 touch control panel located in the corridor behind the kitchen of SO02 controls the dimmed circuits in the restaurant and the restaurant bar on the 1st floor of SO02 and the switched circuits in the corridor by the lift, in the corridor to the children's play area and in the children's play area on the 1st floor.

The ODP6 touch control panel from the wellness bar controls the dimmable circuits in the wellness area, in the rest room on the 4th floor of building SO02, the switched circuits of the spiral staircase from the 1st to 4th floor and on the terrace and garden on the 4th floor of building SO02.

All switched circuits can be controlled either manually (individually – individual circuits on/off) or automatically according to the selected time mode (night/day), where the time frame for individual circuits can also be set manually.