

Contract name: **O2 universum**
 Location: Praha 9
 Investor: Bestsport, a.s.
 Architect: Martin Vokatý, Vladimír Vokatý
 Realization: Metrostav a.s., Syner, s.r.o.
 Construction type: Multifunctional centre
 Construction period: 2017–2019
 Description:

AWARD


 STAVBA
 ROKU 2020

The O2 Universum multifunctional and congress centre was completed and opened in 2019 and **in 2020 was awarded in competition Stavba roku 2020**. This new building is connected to the O2 Arena and in 21 halls can accommodate up to 10,000 visitors. The O2 universum building is spread over four floors with a total area of almost 50,000 m². The largest hall is used for concerts and sports matches, while other rooms are used for exhibitions or commercial purposes.

Technical description: In this large facility, our company installed Awex emergency lighting systems. An example is the **LED spotlights in the grandstand steps**, which are **powered from the FZLV station – a central 24 VDC battery station**. In addition, our company **has installed several types of attached emergency lights, a central battery station (CBS) and a PBS sub-station**. The CBS unit is equipped with a controller to supervise the operational activity and status of the entire system, and to record all events in accordance with the requirements of ČSN-EN 50172. The system also includes an intelligent charger which controls the charging process and protects the battery from damage, and with which, thanks to the use of an active PFC function, a significant reduction in fixed operating costs is achieved.

