

Contract name: **MULTICULTURE HALL GONG OSTRAVA**
 Location: Ostrava
 Investor: Dolní oblast Vítkovice, zájmové sdružení právníků osob
 Architect: Josef Pleskot
 Implementation: Gemo Olomouc, spol. s r. o., Hutní montáže, a. s.
 Type of construction: Culture object
 Construction period: 2011–2012
 Description: Aula Gong is a modern multifunctional centre built into the original 1924 gasworks in the lower Vítkovice area of Ostrava, designed by arch. Josef Pleskot. The multifunctional Aula Gong was realized in 2011–2012 and became one of the five projects that won the title of Building of the Year 2013. In 2014, it was ranked among the TOP 10 buildings in the world at EXPO REAL Munich.

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 STAVBA ROKU
2013

Technical description: The multifunctional hall has a capacity of 1500 visitors. A unique feature of this project is the **"artificial sky" created by the lighting** in the upper dome of the gas dome, where the **system controls the lighting chromaticity temperatures according to the current scene**. The main lighting of the auditorium is formed by **544 LED spotlights**, which are internally divided into two separately addressable and controllable circuits, i.e. the main and decorative circuit. When the main lighting and the dome lighting are switched off, **the decorative lighting gives the illusion of a starry sky**. The dimming control of the luminaires is implemented using **DALI protocol**. In the gas house there are **19 DALI Routers 910 from Helvar** in different cabinets, which are interconnected by **Ethernet bus**. The control of the entire system is possible either from **35 control push-button panels** located in the respective rooms variously around the building **or from a computer** located in the overhead. This computer is equipped **with powerful software with the possibility of user visualization (Touch studio)**. From this one location, all lighting in the building can be set and controlled.

