

The Bolshoi Theater, Russia



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Industry:

Entertainment - Theaters

Information:

The Bolshoi Theater of Russia has always been, and will remain, one of the main symbols of the Russian Federation and its culture. It is Russia's main national theater, a bearer of the traditions of Russian music culture, as well as the spearhead of the development of the country's performing arts.

Worldwide and well known performances such as "Romeo and Juliet", "The Queen of Spades", "The Nutcracker", "Eugene Onegin" are staged at the Bolshoi Theater.

The theater underwent a rigorous renovation and reconstruction between July 2005 to October 2011.



The Bolshoi Theater, Moscow, Russia

Business Objective:

The overall assignment was to install safety and security systems thereby paying special attention to preserving historical details.

The main challenge was the extremely accurate technical work required in these premises, where the installation and restoration took place. In addition, the friability of the surfaces and the lack of cable channels posed a challenge on the complete installation, just as on the integration of third party products.

Solution:

The company ASPO, being one of the oldest and most reliable Bosch partners, won the tender for safety and security systems installation on the base of Bosch equipment for the Bolshoi Theater. Due to its experiences in difficult projects, ASPO implemented the required technical solutions for security and safety systems.

Installed Products:

Intrusion alarm systems:

54 controllers AMC2
210 readers

CCTV:

350 video cameras (PTZ, Dome, indoor/outdoor)
20 monitors in the control room

2 matrices ALLEGIANT

20 DIVARs

Fire alarm system:

8000 detectors
2000 interface modules
40 Titanus aspirating smoke detectors
81 Firexay 2000 linear smoke detectors

Public Address System: Bosch Praesideo

48 amplifiers (125W, 250W, 500W)
3 Call stations
1200 loudspeakers (cabinet-, ceiling-, hornspeakers)

Other equipment:

6 UGM2020 control units
4 control panels BE2020
6 BIS workstations

Result:

As a result of the reconstruction, many lost details of the historic building were reinstated. At the same time the Bolshoi joined the ranks of most technically equipped theater buildings in the world. After six years of reconstruction and renovation, the Pearl of worldwide Opera and Ballet opened the doors for general public again.

All installations were completed on time and highly appreciated by Russian president: Dmitry Medvedev characterized the present appearance and state-of-the-art technical equipment of the Bolshoi as "fantastic".

Also contractors that took part in reconstruction works, including ASPO representatives who installed the products of Bosch Security Systems, are nominated for governmental awards.

Installed by:

ASPO Security Systems
Address: 117648, Moscow, Severnoe-Chertanovo, bld,6, apt 606
Tel: 007 495 730 5160
web-site: www.aspo.ru

ООО "Роберт Бош"
ул. Акад. Королева, 13, стр.5
Россия, 129515, Москва
тел. (495)9375361
www.boschsecurity.ru