

CASE STUDY

HIGHEST SAFETY STANDARDS AT GTC WHITE HOUSE



GTC WHITE HOUSE is Budapest's most recent office & retail development, led by real estate investors – the GTC Group. Located in the center of Hungary's capital, the complex comprises a new structure and a fully refurbished factory building. In line with the development's LEED Platinum sustainability certification, Honeywell delivered a truly innovative fire alarm system. The solution is not only highly efficient but also allows superior flexibility and the integration of several solutions in one system, monitored by Honeywell's Enterprise Buildings Integrator software suite.

CHALLENGE

Due to the buildings' varying requirements, Honeywell faced multiple challenges when supplying and installing safety devices and software. Despite their difference in age, all buildings within the complex had to be equipped with systems and technologies meeting the same regulations in terms of safety, efficiency and sustainability.

Given the highly competitive market for office space, GTC White House offers first-class service, quality and flexibility to its tenants. This raises expectations for safety and building technologies even higher.

With so many integrated systems at work – from fire alarm systems, to aspirating smoke detection and extinguishing systems, to Public Address and Voice Alarm devices and fire control transponders – seamless coordination is essential.

BACKGROUND

GTC White House offers a unique combination of protected architectural features and modern office amenities, located close to hotels, shopping centers and conference facilities, and with excellent traffic connections across Budapest's Váci út business district. While the historic part of the complex, a former elevator factory, has 2,000 m² of loft-style office space, the new building has an office area of about 19,500 m² over 6 floors, and more than 250 parking spaces on three underground levels.

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FIRE & PA/VA SOLUTION

To ensure efficient control and maintain the highest possible level of safety, Honeywell installed a total of four FlexES Control systems, analyzing signals from over 1000 optical and rate of rise heat detectors.

260 IQ8Quad detectors (O²T/Sp and O²T/FSp) allow for fast and intelligent smoke detection and provide multi-purpose visual-acoustic functionality. Thanks to built-in voice alarm, flash lamp and alarm signaling devices, both optical alarm signals (e.g. flashes) and acoustic alarm signals (e.g. tone or pre-recorded messages) can be transmitted to guarantee quick and safe evacuation.

IQ8FCT LP and XS modules were installed to control and monitor actuators for fire dampers. In addition, server rooms are protected by VESDA aspirating smoke detectors and extinguishing panels from the ESSER by Honeywell 8010 series.

The PA/VA solution incorporates a VARIODYN® D1 control module (DOM) and 260 loud speakers on the ground floor and garage area. The DOM constantly monitors all system components to guarantee full operability. Automatic volume control – even during announcements – further facilitates the clear transmission of evacuation messages.

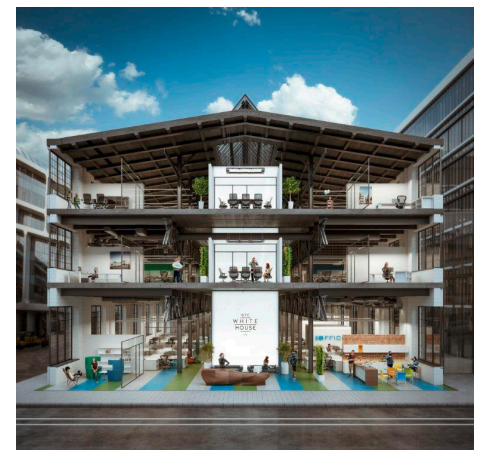
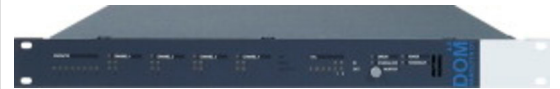
SECURITY & BUILDING AUTOMATION SOLUTION

In addition to reliable life safety solutions, Honeywell also delivered advanced security and building automation solutions, all integrated in the Enterprise Building Integrator (EBI) software platform with more than 10,000 data points throughout GTC White House. The full integration of multiple systems gives technical services, facility management and security personnel an improved user interface with access control, monitoring and operation functions, as well as service, reporting and maintenance tools. As a result, Honeywell's Connected Building solution generates significant operational savings through easier operation, data analysis, system backups and updates. Overall building intelligence is also increased thanks to automatic interaction between subsystems.

In GTC White House, the highest level of security is delivered with a Temaline by Honeywell access control system. The environmentally-friendly building management system is based on a distributed network of Excel 10 fancoil controllers and ComfortPoint Open (CPO) controllers.

RESULTS

With its advanced safety and fire alarm solutions, Honeywell further contributed in making GTC White House one of the most attractive office buildings on the Hungarian market. Thanks to the integrated and efficient design approach of Honeywell solutions, technical changes can be made without disruption, while lower operating costs over the life span of the building help to meet operational and business goals.



After a complete refurbishment of the former elevator factory during the two-year construction period, GTC White House was officially opened in 2018.

For more information

To learn more about Honeywell products and solutions, visit www.hls-austria.com or contact your Honeywell Account Manager or System Integrator.

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