

Keeping the Interxion lights on in Vienna



In an increasingly interconnected world the role and critical importance of the data centre is greater than ever. Every organisation, large or small, relies on data. Data centres operate on a dedicated 24/7 basis, 365 days a year, where service level agreements run at 99.999 percent and half a minute of downtime could have massive, even catastrophic, implications.

As data centres evolve from traditional, on premise, small scale server room environments to vast 15 MW purpose-built virtualised colocation facilities, the challenges of maintaining a fully secure, protected and available site continue to mount. Data centre providers need a cast iron guarantee that the facilities they offer are completely secure.

The challenge

Established in 1998, in the Netherlands, Interxion operates 39 data centres in 13 cities across 11 Western European countries. With Eastern and Central European markets booming from the early 1990s, in 2000 Interxion established a presence in the geographically strategic location of Vienna, Austria.

Austria is often referred to as the "Gateway to the East" as it directly borders the Czech Republic, Slovakia, Hungary and Slovenia, which in turn have direct links to Poland, Ukraine, Romania, Serbia and Croatia.



Distance matters in the data centre business particularly in industries that rely on low latency such as financial services. Interxion's 4,700 square metre Austrian data centre, VIE1, houses business critical data for hundreds of organisations around the globe. In March 2014 Interxion announced plans to build a second data centre (VIE2) in Vienna.

The VIE2 data centre is adjacent to Interxion's existing facility in Vienna, providing access to more than 100 carriers, direct access to the Vienna Internet Exchange, and existing communities of interest.

VIE2 has been built over time in multiple phases, and provides an additional 2,800 square metres of equipped space and approximately 11 megawatts of available power.

Providing a secure yet accessible system, that would scale up over time as the new data centre grew was the challenge faced by Interxion. Naturally, Interxion also required that the site would be 100 percent fire protected using technology that in the unlikely event of a fire would enable complete suppression with absolute minimum downtime.

Success Story Interxion

The solution

Security and fire prevention and protection measures are key differentiators for data centre providers. In order to meet national regulations on fire prevention and provide best-in-class security and safety for its customers using VIE2, Interxion chose to work with Johnson Controls, the world's largest dedicated integrated fire and security provider.

Johnson Controls is a driving force in pioneering fire prevention and intelligent security, offering a complete range of fire protection and life-safety solutions to meet the requirements of data centre providers. Johnson Controls tailors solutions to match specific customer requirements – from basic stand-alone conventional fire detection systems through to complex, integrated fire protection and alarm systems. These solutions can incorporate fire detection, sprinklers/watermist, inert clean agent gas suppression and emergency exit control, all coordinated by Johnson Controls Physical Security Information Management (PSIM) software. All of this in combination with Johnson Controls industry and regional knowledge helps organisations stay in compliance with codes and regulations. All of which are indispensable as part of an effective firefighting and evacuation system.

Risk mitigation is a fundamental part of any business process planning. At the outset of planning for VIE2, Interxion needed a company that could guarantee



sustainable security, process efficiency and protection for people, data and assets. Having a close working relationship with Johnson Controls, Interxion felt confident that its risk mitigation strategy was secure.

Johnson Controls fire suppression and access control solution enables Interxion to protect its VIE1 and VIE2 data centres from a number of threats including electrical fires and data theft. The solution implemented is highly-scalable and fully-integrated, consisting of a gaseous fire suppression system and access control system.

The gaseous fire suppression system is comprised of 100 containers (50 primaries and 50 reserves) and protects four server rooms.

Each container uses LPG INERGEN® IIflow 300 bar with HD-Protector nozzle silencers, a FAST2030 control panel and stepper motor time delay.

INERGEN® is singularly unique to Johnson Controls as no other inert gas has the ability to rapidly extinguish a fire yet at the same time provide a safe environment for any person within the occupied area by decreasing cardiac distress and maintaining arterial blood oxygenation and mental performance in low oxygen levels. Equally important, unlike some chemical gaseous fire suppression agents, INERGEN® does not, and could never, create a reaction with a fire to create extremely harmful toxic or corrosive by-products.

The access control systems, comprised of card readers and biometric devices, enable Interxion to manage who enters the data centres and surrounding areas; including the doors to the transformer stations, UPS rooms and air conditioning rooms. The initial implementation consisted of 58 card readers and six fingerprint readers, connected to 12 control panels with 17 I/O cards and approximately 100 switches. Interxion expanded this system in 2014 with an increase to 67 card readers and 10 fingerprint readers connected to 13 control panels.



Success Story Interxion



Data creation and the requirement for safe and secure data centres is growing at an exponential rate globally. As a leading pan-European data centre provider Interxion's footprint is likely to grow, and as the company expands its operations in Vienna and elsewhere to serve demand, the carriers, ISPs, and cloud communities of interest that rely on 100 percent availability 24/7 know that they can rely on Interxion to meet their data centre requirements.



The result

Johnson Controls delivered a solution that provides Interxion with complete assurance that every potential risk has been mitigated against. Access control including biometric technology in combination with physical and logical mantraps enable Interxion to protect against unwanted, potentially unlawful entry. This comprehensive access control enabled Interxion to implement additional security and fire prevention solutions, as well as any additional functionality required, without losing the manageability of the entire system.

This flexibility was particularly important to Interxion prior to implementation as the firm had ambitious expansion plans. Flexibility on physical security is a must moving forward as Interxion is also required to tailor its overall security solution to meet the requirements of individual customers.

"Physical security is of the highest importance to our customers and in some instances we are required to tailor our overall security solution to meet the requirements of individual customers. Our Johnson Controls solution enables us to do this efficiently and easily. This, combined with solution reliability and the service support, meant that our decision to continue to partner with Johnson Controls was an easy one."

Bernhard Pawlata
Security and quality manager
at Interxion

"Security is a crucial part of data centre hosting and a major concern for organisations that require remote data access. The solution chosen by the Interxion team will ensure the data centre is protected and highlights the dedication the company has to physically protecting its customers' hosted environments."

Rudolf Deussner
Sales Manager – Security,
Johnson Controls

Interxion

Interxion (NYSE: INXN) is a leading provider of carrier and cloud-neutral colocation data centre services in Europe, serving a wide range of customers through 39 data centres in 11 European countries. Interxion's uniformly designed, energy efficient data centres offer customers extensive security and uptime for their mission-critical applications.

With over 500 connectivity providers, 20 European Internet exchanges, and most leading cloud and digital media platforms across its footprint, Interxion has created connectivity, cloud, content and finance hubs that foster growing customer communities of interest.

For more information, please visit www.interxion.com

For your nearest service office please visit: www.johnsoncontrols.com

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