

WAGNERIMPULSE

THE WAGNER GROUP CUSTOMER MAGAZINE 2/2018

Maximum-level
fire prevention
in data centres



NEWS

WAGNER receives
Innovation Award

COVER STORY

New fire-prevention
concept for data centres

PRACTICE WORLDWIDE

Karan Beef protects
steaks with OxyReduct®



Dear Readers and Business Partners,

Powerful solutions, high-level engineering, and a focus on customers and their needs: these are the hallmarks of partnerships with the WAGNER Group as providers of fire prevention systems.

We have recently received the 2017 Innovation in Vacuum Busch Award in recognition of our innovative approaches to nitrogen production (page 5). But awards are not as important to us as offering solutions that provide maximum customer satisfaction. We are more than happy to forge new paths in pursuit of that goal.

One current example would be our newly developed two-stage fire prevention concept for data centres. The system intelligently links innovative WAGNER technologies to make sure that, even if a fire breaks out, IT centres need not be disconnected from the mains power immediately. As such, the system meets even the most stringent safety requirements while maintaining maximum energy efficiency. This fire prevention concept incorporates not one, but two new innovations – on-site refilling of extinguisher containers and a system for monitoring room air tightness – and both are realised with the help of an OxyReduct® system. To learn more about how the concept works, turn to page 6.

WAGNER Switzerland is scaling new heights. Ten years after the subsidiary's founding in Wallisellen, the team in Switzerland is now opening a new location in Western Switzerland, in Biel. Check out pages 10 and 11 for a summary of the past decade, and to find out what plans the Swiss company has for the future.

On the intercontinental front, we'll be looking at South Africa and the United Arab Emirates (UAE) this time. Our systems are now protecting one of Africa's largest beef producers (pp. 12 – 13), and in Sharjah, UAE, we are providing the Dar-al-Quran University Archives with exceptional fire protection for their religious texts.

We are also continuing to invest in our own future as well: turn to page 15 to read about the scholarship WAGNER has created in order to draw the subject of fire prevention into the public eye and thus attract dedicated specialists. After all, it is employees who keep the WAGNER Group going.

Happy reading!

Torsten Wagner

Werner Wagner

Managing Directors of the WAGNER Group GmbH

4 NEWS

News from the world of WAGNER

Moving day in Munich

Fire prevention for poultry

The WAGNER Group receives the 2017
Busch Innovation Award for OxyReduct®



6 COVER STORY

Data centres:
Intelligent fire protection redefined



10 NEWS

Peak performance

Aston Martin St. Gallen



12 PRACTICE WORLDWIDE

Always in our sights:
The perfect steak



14 PRACTICE WORLDWIDE

Religious writings receive fire
prevention from the WAGNER Group

The big WAGNER Impulse sweepstakes



15 PRACTICE SPECIAL

WIR scholarship brings students on board

News from the world of **WAGNER**



Moving day in Munich

At the beginning of this year, our subsidiaries WAGNER Bavaria and WAGNER Rail moved into new premises together in Haar, on the east side of Munich.

As a result of their continuous growth, the organisations had exhausted both the office and the storage capacities at their old location. WAGNER Bavaria serves customers in and around Bavaria with fire prevention technology and systems. It primarily focuses on fire detectors, gas extinguishing systems, the OxyReduct® fire prevention system, and the VisuLAN® risk management system. WAGNER Rail specialises in fire prevention solutions for the rail industry, and manages projects around the world. Among other benefits, the new premises give the companies enough space to impress visiting customers: as Ronald Gutknecht, Commercial Director of WAGNER Rail reports, "We now have room for a separate exhibition space, where we can present our entire range of products." A separate storage facility provides additional transparency and makes processes more efficient. The new office is also ideal in terms of convenience to the motorway and the Munich Airport.

+++ WAGNER Bavaria is installing its fourth FirExting® extinguishing system, which uses nitrogen as an extinguishing agent, for the **compressed-air providers at Kaeser Kompressoren.**

+++ WAGNER's Berlin office recently received a new order from **Eisbär Eis GmbH** to install an OxyReduct® system in a deep freeze storage area. It is the third project WAGNER has undertaken with the ice cream manufacturers.



+++ WAGNER Rail will be providing fire engineering technology to the new **Siemens Mireo regional and commuter train platform.** Deutsche Bahn will be using the trains within their Rhine Valley network.

+++ Making old into new: A new WAGNER fire detection system has recently begun providing optimum fire prevention at the **Elbkaihaus in the Hamburg fish market.**

+++ The lubricant specialists at **Fuchs Lubritech** have recently ordered an OxyReduct® system for their new high-rack storage facility in Kaiserslautern. It will be the second Fuchs Lubritech warehouse equipped with a WAGNER active fire prevention solution.

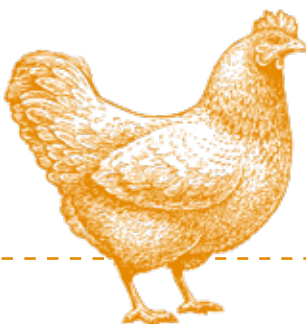
From left: Christoph Kuchenbecker, Torsten Wagner, and Werner Wagner receive the "2017 Innovation in Vacuum Busch Award" from Dr.-ing. Karl Busch. Company founder Ayhan Busch and her two sons, Sami and Kaya Busch, were also present at the awards ceremony.



Fire prevention for poultry

The **Hungarian poultry producer HUNENT Ltd.** has built a new deep-freeze high-bay warehouse in Mélykút with a capacity of 38,000m³. To keep the consequences of any fire events to a bare minimum and to avoid operational interruptions, the warehouse is protected with the active fire prevention technology OxyReduct[®] from WAGNER. Two nitrogen generators of the latest WAGNER generation are installed for constant oxygen reduction, a third generator is available as a reserve.

OxyReduct[®] reduces the oxygen in the room to a defined level, in this case from 20.9vol% to 16vol% oxygen concentration. This means that fire can no longer develop in deep-freeze storage areas. The solution is combined with TITANUS[®] air sampling smoke detectors for earliest possible smoke detection. The result is a system that protects HUNENT optimally from any fire events.



The WAGNER Group receives the 2017 Busch Innovation Award for OxyReduct[®]

The WAGNER Group GmbH has been awarded the 2017 **Innovation in Vacuum Busch Award**, in recognition of its innovative incorporation of Busch compressors into the OxyReduct[®] active fire prevention system. The system uses oxygen reduction technology to prevent in-room fires actively – and the WAGNER Group is already supplying it to hundreds of customers around the world. At a ceremony in mid-January in Maulburg, the home town of Busch Vacuum Pumps and Systems, Dr.-ing. Karl Busch presented the award to our Managing Directors, Werner and Torsten Wagner. The company has been awarding the prize to innovative companies all over the world since 2013.

The two companies enjoy a close partnership: since the beginning of the development process, Busch has been supplying the WAGNER Group with vacuum and overpressure technology for their VdS-approved OxyReduct[®] fire prevention systems. Busch Vacuum Pumps and Systems is one of the world's largest manufacturers of vac-

uum pumps, blowers and compressors. The Busch family founded the business in 1963 and continues to run it today; in the interim, the company has expanded to include more than 60 organisations in 40 countries.



Data centres: Intelligent fire protection redefined



Optimum protection with the power always on

Permanent availability of data, 24/7, for 365 days of the year: For data centre operators and their customers, this statement is highly significant. Restrictions or interruptions in data availability can result in business losses and enormous damage to the company's image. The design specification, as per VdS guideline 2380, stipulates that, in the event of fire, all energy sources and operating

equipment such as air conditioning systems must be switched off unless suitable measures are taken to minimise the risk of reignition. Data availability is therefore interrupted and the processes are stopped abruptly. Data centres seek to prevent this, even if the data is also kept redundantly. This means that if data centre operators do not want to or cannot afford to allow interruptions under

any circumstances, they will need a suitable solution for reliable fire protection – without having to switch off the power and without the risk of reignition. The WAGNER Group offers a fire protection solution with the highest-possible safety level: with the earliest possible detection of fires, regular checking of room leak-tightness including notifications, e.g. to the smartphone of the person respon-

sible, an extinguishing concentration that can be maintained for as long as required, and with on-site refilling of the gas extinguishing cylinders with nitrogen.

The current situation in data centres

Current fire protection solutions in data centres are generally based on gas extinguishing systems. These are mostly designed and installed with safety reserves greatly in excess of the actual number of nitrogen cylinders needed to extinguish a fire. An additional extinguishing capacity of around 40% of the calculated requirement is generally provided. This ensures that a sufficient concentration for extinguishing can be achieved for a limited time – even if the protected area has leaks, resulting from conversion work, for example. The drawback with this solution, however, is that reignition cannot be effectively and reliably prevented unless the power is disconnected, particularly after the end of the ten-minute hold time for the extinguishing concentration stipulated by VdS. In the worst case, the fire could reach its previous level again and may even spread further. It will not be possible to extinguish the fire again with gas, since by then the gas extinguishing cylinders have already been emptied and no further reserves are available.

Risks for the sustainability of the fire protection system

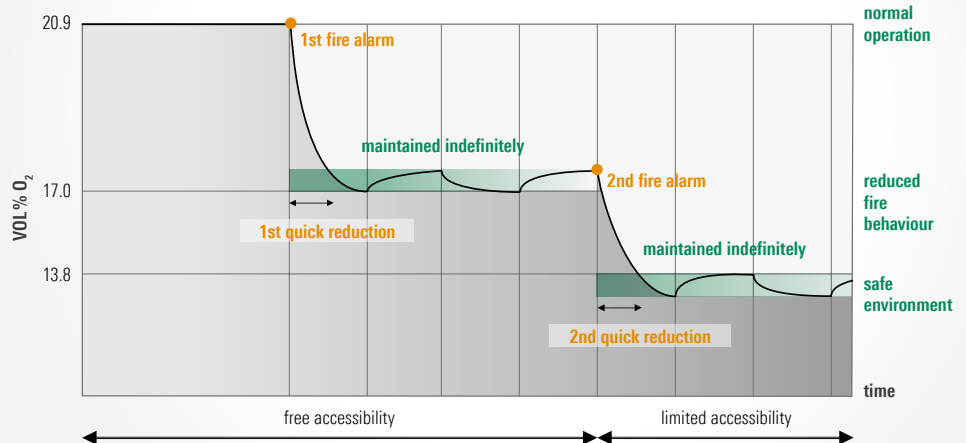
The conditions in data centres are constantly changing due to the rapid technical development of the infrastructure. The installation of new racks, more powerful servers and network connections requires holes to be drilled through walls or ceilings, for example. These openings must be properly sealed if a suitable concentration for extinguishing is to be maintained, even taking into account the additional safety capacity, and if reignitions are to be prevented after the extinguishing process, in line with the regulations.

“Every data centre operator must be aware of the risk of inadequate gas extinguishing that results from leaks in

Two-stage quick-action reduction

Focus: Energy-efficiency with a high degree of safety for the IT sector – even with free cooling

- At 1st fire alarm: first quick reduction with N₂ cylinders to e.g. 17.0% vol. O₂
- At 2nd fire alarm: second quick reduction with N₂-cylinders to e.g. 13.8 % vol. O₂
- After each reduction: maintain level with OxyReduct® – no immediate power shutdown
- No appreciable energy consumption in normal operation



the room, if he wishes to avoid switching off the power supply”, explains Michael Rupprecht, Head of Business Development at the WAGNER Group.

Strong connection: classic gas extinguishing system with oxygen reduction

What would provide a modern, effective solution that meets the requirements and needs of data centre operators, offers an alternative to switching off power in the event of a fire and guarantees maximum protection at all times?

The answer lies in the intelligent combination of several systems to create an innovative and forward-looking fire protection solution. The basis of this must be the earliest possible detection of fires. WAGNER air sampling smoke detectors from the TITANUS® family are used in this case. By taking air samples, they detect even the tiniest quantities of smoke particles. A smouldering cable, for example, can be detected before a real fire can develop. This head start makes it possible to introduce countermeasures.

Once the highly sensitive air sampling detectors have detected a fire at its

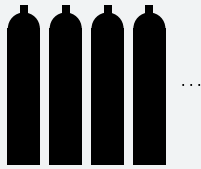
earliest stage, the oxygen level in the room will be reduced immediately, in the same way as with a FirExting® gas extinguishing system, from the standard atmospheric level of 20.9 vol% to 17 vol%, by the gentle introduction of nitrogen from dedicated pressurised storage cylinders. The reduction in oxygen concentration results in significantly diminished fire behaviour, so that usually the fire is unable to spread further, and, in the ideal case, the fire goes out. A nitrogen generator in the OxyReduct® system, then maintains the lowered oxygen level of 17 vol% for as long as necessary by generating nitrogen on-site. This still allows the operator full access to the protected area, giving him the opportunity to locate and put out the fire.

“If during this phase the TITANUS® air sampling smoke detector detects that the fire is spreading, the oxygen concentration is then reduced to a level significantly below the ignition threshold of the predominant materials in the data centre”, says Rupprecht. “This second safety level can also be maintained indefinitely thanks to the nitrogen generator and should completely prevent the spread of fire. In this way, the persons responsible

Comparison of system concepts

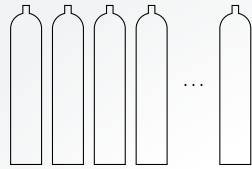
Concept with secondary flooding from cylinders

Operation bank



50 gas extinguishing cylinders

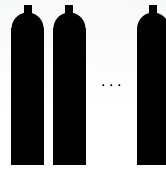
Possible reserve bank maintains level for limited period



50 gas extinguishing cylinders

WAGNER's two-stage concept

Operation bank



30 gas extinguishing cylinders

Level maintained indefinitely



Nitrogen generator

Advantages of the two-stage concept: up to 40% fewer gas extinguishing cylinders in the operation bank; no reserve bank required; fully automated operation; oxygen concentration maintained in alarm situations

on site gain the time needed to take the correct action in an emergency”, explains the fire protection expert.



Advantages of the two-stage fire protection for your data centre

- No appreciable energy costs in normal operation
- No power shutdown necessary
- Top reliability thanks to regular checking of the leak-tightness of the overall system
- Highly effective fire suppression at all times

Patented: regular verifiability of the room leak-tightness

As with conventional gas extinguishing systems, the two-stage concept also requires that the protected area maintains a certain degree of leak-tightness. This must be checked at regular intervals and the results must be made available to the customer. The conventional method of testing whether a room is sufficiently

airtight is the so-called blower-door test, which is carried out once or, at best, at extended intervals. These tests may fail to detect an inadequate level of protection, however, since they are so infrequent.

In place of time-consuming and expensive blower-door tests performed at short intervals, the OxyReduct® system, which forms part of the two-stage concept, can also be used to check the airtightness of a room. Customers are then regularly informed that their protected area is sufficiently leak-tight and that the installed protection system is running smoothly. This system is patented by WAGNER.

“In this way, data centre operators can check the leak-tightness of rooms without any great logistical effort or expense and without any additional personnel,” says Rupprecht.

Complete solution: safe and economical

With WAGNER's two-stage fire protection concept, data centre operators have at their disposal an all-encompassing solution that is tailored to their risks. While TITANUS® ensures highly-sensitive detection and immunity to false alarms, regular

monitoring of the leak-tightness of the room ensures the efficacy of the protection system. Since the system works reactively in the event of a fire, the energy costs are also very low and the number of gas extinguishing cylinders can be significantly reduced. “The level of protection provided, on the other hand, is extremely high,” says Rupprecht in summary. After all, our two-stage fire protection concept makes it unnecessary to switch off the power supply immediately in the event of a fire, prevents reignitions for as long as required and ensures that there are no interruptions in the protection resulting from empty cylinders.”

With its two-stage concept, WAGNER also provides a cost-effective and reliable solution for data centres in which conventional gas extinguishing systems have previously failed to meet the highest safety requirements. With regard to fire protection in data centres, the system leaves nothing to be desired. ■

Refilling on site: minimum expenditure, maximum safety

Another innovation from the WAGNER Group is the refilling of the gas extinguishing cylinders with nitrogen on site. This concept is suitable for fire protection solutions with the two-stage system as well as for solutions that use only nitrogen gas extinguishing systems.

Gas extinguishing systems with nitrogen extinguish fires without leaving residues and protect persons, buildings and equipment. How-

ever, after the system has been triggered, the cylinders need to be filled before they can be used again. This often involves a large amount of logistical effort and expense – for removing the extinguishing cylinders and transporting them to the nearest filling station, for example. In difficult weather conditions or on public holidays, this can be a real challenge.

In larger data centres, it is not uncommon for there to be several hundred gas cylinders installed.

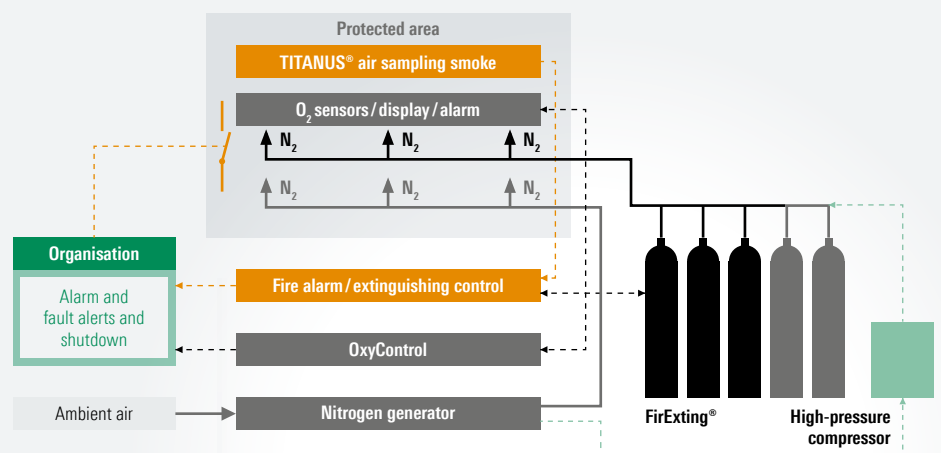
Removing and reinstalling all of these requires not only time but manpower. Not so with the solution provided by WAGNER. The OxyReduct® system obtains nitrogen of the highest purity directly from the ambient air on site for refilling the extinguishing cylinders. Data centre operators profit from this intelligent solution, which ensures a permanently high level of operational readiness. ■



Do you have any questions about the optimal fire protection concept for data centres?

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Schematic diagram of two-stage concept with refilling





Peak performance

Swiss engineering is world-famous. Watches, pharmaceuticals, mountain railways: they all represent Swiss technological excellence. The accomplishments of WAGNER Switzerland's engineers and technicians fit right into this mould. At the end of 2017, nearly a hundred guests came together at the Zurich Zoo to celebrate the subsidiary's tenth anniversary. What better occasion for a look back at the past?

"Peter and I were a two-man company," says Dr. Markus Müller. "One office, two computers, and a million ideas." He laughs and looks over at Dr. Peter Stahl, co-founder and Managing Director of the Swiss subsidiary. "We had no idea just how many exciting projects we'd end up realising one day," Stahl agrees.

The company's initial stumbling blocks have long since given way to professional business stability. "Other-

wise we'd never be able to handle this many projects at once," Stahl says, tapping the schedule on the desk in front of him. "Galliker Logistics Centre, a large-scale fire protection project," he continues. "There, we were really able to show what we're capable of." He and Müller both have doctorates in process engineering, and spent many years working in the field of fire detection and extinguishing technology before coming to WAGNER.

A good partnership

WAGNER Switzerland's list of customers is impressive, and includes customers working in everything from wholesale (Migros) to perfumes (Givaudan) to the automotive industry (Aston Martin). Cantonal and communal institutions like the City of Zurich's IT organisation have also placed their trust in the ten-person organisation's expertise. The subsidiary's reputation extends even beyond the borders of the country: "The Munich under-



▲ Hosts Dr. Markus Müller and Dr. Peter Stahl

ground job really gave us a huge boost," Stahl notes. "In 2008," Müller explains, "the Munich City Works committee hired us to equip their entire fleet of underground trains – around 80 in all back then – with gas extinguishers and water-fog systems." His eyes light up. "That system was our baby."

WAGNER Switzerland's systems were not the first to use water fog as a fire suppressant in train passenger compartments, but their innovative technology made it possible to distribute superfine water droplets at a much

lower hydraulic pressure of no more than 10bar. This offers several advantages. "Lowering the pressure load means you can also lower the weight of the components, which gives you more flexibility in installation," Müller says. "Space is at a premium in trains; every cubic centimetre counts."

Müller and Stahl are still in close contact with the rail industry even today – as consultants for WAGNER Rail. The subsidiary was founded in 2017 as a way of bringing rail-industry activities within the WAGNER Group together under one roof. "Combining WAGNER's competencies in Germany and Switzerland into a global organisation was an intelligent strategic move," Müller notes. After all, whereas building projects usually take no more than a year, railway projects are often

international, and can last many years. Spinning off the rail segment into its own company allows WAGNER Switzerland to focus more energy on storage and logistics sites. Enter Thomas Strebel, an accomplished fire protection expert who will be running the Swiss subsidiary's Sales & Engineering departments and handling the West Switzerland market from the company's new office in Biel.

"Over the past few years," Strebel says, "WAGNER has managed to establish active fire prevention through oxygen reduction as a leading active fire prevention solution, both in Switzerland and beyond. And I want to continue that tradition of success. We need to show customers the potential OxyReduct® offers – including in the field of speciality solutions." ■



▲ From left: Werner Wagner (Managing Director of WAGNER Group GmbH) joins Dr. Markus Müller and Christoph Kainz (co-founders of WAGNER Switzerland AG) to celebrate the 10th anniversary of WAGNER Switzerland AG at the Zurich Zoo.



Aston Martin St. Gallen

When constructing its new facility in Niederwil near St. Gallen, Switzerland's only independent Aston Martin dealer turned to WAGNER for fire engineering technology. The Car Safe, a fully automated high-rack storage facility, is now equipped with an OxyReduct® active fire prevention system. The dealership explicitly advertises the fact that up to 90 vehicles can be stored in the facility's protective atmosphere.

"Just like the name suggests, the Car Safe lets our customers protect their vehicles by parking them in a garage with OxyReduct® fire prevention," says Managing Director Dr. Andreas Baenzinger. He and his business partner, Florian Kamelger, share a passion for the British luxury brand, and their dealership represents an entirely new level of quality.

For more information, visit www.astonmartinstgallen.com.



Always in our sights: the perfect steak

Karan Beef, the biggest meat producer in South Africa, uses new cold storage solutions from WAGNER to protect its produce

Beef: whether as a traditional roast for the oven, cut up into small pieces for a hearty stew or as a steak for Braai, the South African version of the barbecue – the company Karan Beef produces beef on a large scale and for any occasion. The producer is classed as the biggest in South Africa and exports its produce to the Middle East, Mauritius, the Seychelles and Hong Kong. To cover the increasing demand and to help maintain its position at the top of the market, Karan Beef has invested in a new refrigeration and deep-freeze storage area. The fire protection solution for this is made in Germany – designed by the WAGNER Group.

High hygiene standards, an efficient production process and the very highest product quality – this is what the company stands for. So it is hardly surprising that Karan Beef chose high

quality for the fire prevention in its new warehouse. “It had to be a solution that works reliably”, says WAGNER sales engineer Christian Sievers. Because the security of the company, the business processes and the logistics processes was a top priority for Karan Beef in its approach to fire prevention. The Karan family started beef production in 1974 – with a herd made up of less than 100 cattle. Today, more than 150,000 cattle graze on the “Heidelberg Farm” spanning 2,330 hectares. In its in-house abattoir in Balfour, around 30 minutes from the farm by car, up to 2,040 cattle per day are processed. With its own refrigeration and deep-freeze storage areas, Karan has rounded off its production cycle. Breeding, slaughtering, processing, as well as sales and logistics, come entirely from a single source. The small family company thus developed in to the biggest farming operation in South Africa – including a nature reserve.

Oxygen reduction actively protects beef products

The automated warehouse completed in 2017 is made up of two parts: a 20,949m³ cold storage area operated by 0°C, and a 41,241m³ deep-freeze storage area with a temperature of -25°C. In each warehouse, six automated crane systems are used for entry into and removal from storage; together with an automated pallet conveyor system, this creates a closed logistics system. Karan Beef was looking for a suitable fire prevention system for this environment when planning the new building.



The protection goals were clearly defined in advance: In addition to personnel protection, the fire prevention solution was to focus on avoiding interruptions in the production and logistics processes and keeping damage and losses as low as possible in critical situations. "We believe that minimizing the risk of fire is safer by far than extinguishing a fire once it has broken out", says Avron Karan, Director of Karan Beef (Pty) Ltd. The following event was still very clear in his mind: In 2016, a fire broke out at Karan Beef in an old warehouse building. He wanted to prevent a similar situation from ever occurring in the new building. "We had the oxygen reduction system from WAGNER installed to prevent a fire from developing or spreading in the new warehouse", states Avron Karan, explaining the decision to use OxyReduct®.

A solution with quality

Three OxyReduct® V-Line systems with Vacuum Pressure Swing Adsorption (VPSA) technology protect the refrigeration and deep-freeze storage areas in the warehouse. For this, the oxygen content in the area to be protected is

lowered below the ignition threshold for the prevailing critical materials – mainly packaging material. A special feature of the project: The farm is located at a height of 1622 meters. This had to be taken into account in the design of the OxyReduct® system. The two warehouses and the extension of the meat production area are also equipped with 46 air sampling smoke detectors from the TITANUS® range. The units detect smoke as early as possible and differentiate reliably between fire and false alarm scenarios. With a temperature range from -40°C to +60°C, the air sampling smoke detectors can also be used directly in the refrigeration and deep-freeze storage area without problems. This combination of earliest possible detection and active fire prevention provides Karan Beef with an optimal fire prevention solution for the company. "The customer was looking for a modern, innovative fire prevention solution and found what they were looking for with us", summarizes sales engineer Sievers. And Karan Beef is also extremely satisfied with the fire prevention solution, which is unique in South Africa: "We are extremely happy

with WAGNER as a partner in the field of fire prevention", states Avron Karan. The care provided by WAGNER project manager born in South Africa, Ralph Glaner, rounded off the positive impression. "The support and the work itself were of the highest quality." ■



Karan Beef is South Africa's biggest meat producer. On the "Heidelberg farm" up to 2,040 cattle per day are processed. In its own nature reserve live various types of animals. ►



Religious writings receive fire prevention from the WAGNER Group

Sharjah university has been educating students from the place of the same name and the surrounding Arab Emirates, as well as other parts of the world, since 1997. With around 14,000 students and 89 accredited courses, the private university is one of the largest in the United Arab Emirates (UAE). The numbers have been growing for years, which is why the campus site is constantly being extended. One of the newest buildings on the main campus is home to the Dar-al-Quran archive, where important religious writings and books are stored, some of which are extremely old. The WAGNER Group designed a suitable fire prevention concept to offer optimal protection here. Together with WAGNER's partner company in the UAE, Geco Mechanical and Electrical Ltd., the fire prevention experts from Langenhagen implemented the order last year. The specifications of the local architectural office responsible for the building planning initially called for sprinklers. "With the help of Geco, I managed to convince the responsible advisers to install a fire

prevention system", explains Wolfgang van Pels, sales manager ASEAN & ME at the WAGNER Group GmbH. Because damage to the religious books and writings caused by water or smoke, which could occur if a sprinkler system is triggered in the event of a fire, had to be prevented – that was the stated remit from the university.

And WAGNER achieved this with the active oxygen reduction system OxyReduct®. The implementation of this fire prevention solution was not without its challenges, however. The library rooms were already finished. To install OxyReduct®, the rooms had to be converted to meet the leak-tightness requirements. So the installed windows had to be removed again, suspended ceiling in the room had to be removed and the air conditioning system had to be modified. To complete the fire prevention solution, Geco as the executing company, also installed TITANUS® devices in the archive for earliest possible smoke detection. The air sampling smoke



detectors actively take samples from the air, thus enabling them to detect smoke at the earliest possible time. Suitable counteractive measures can therefore be taken quickly.

The fact that the university, the responsible architectural office, Geco and WAGNER were extremely happy with the cooperation is demonstrated by the commissioning of the subsequent project: Wolfgang van Pels is currently working on a suitable fire prevention concept for another new building on the Sharjah university campus. This time, an art gallery and another archive are to be equipped with optimal fire prevention. ■

The big WAGNER Impulse sweepstakes

Reading time is puzzle time

Looking for a new holiday read or some good after-work music? Answer our sweepstakes question and you could win an Amazon gift card worth €50, €100, or even €150. Submit your response to www.wagnergroup.com/impulse-competition by 10 July 2018.

What is the name of the WAGNER solution that provides active fire prevention through oxygen reduction?

The correct answer and the winners' names will be revealed in the next issue of WAGNER Impulse. The names of the winners will be drawn after the closing date. The winner of the draw will be informed by e-mail shortly after. Persons over the age of 18 are eligible to enter. WAGNER Group employees and their families are excluded from participation, as are all those involved in the design and implementation of the sweepstakes. No cash awards will be made. All decisions are final.



WIR scholarship brings students on board

WAGNER is making a difference!

Ben Yannick Zinn, 25 years young, is majoring in electrical engineering at the Hanover Technical College School of Industrial Engineering. Now, shortly before his graduation, he is a WAGNER Group scholarship recipient – and already “fired up” about the world of fire prevention. “To be totally honest,” Zinn admits, “until a couple of weeks ago, I didn’t know a thing about the fire prevention industry, which makes me all the happier that now, as a WIR scholar, I have a chance to get to know it.” For example, a voluntary internship at WAGNER gives Zinn the opportunity to support the company’s

electrical engineers in their work. He would also be able to write his bachelor thesis on the topic.

Discovering and inspiring trained personnel

Zinn’s first impressions are positive: “I’m really looking forward to spending time at WAGNER,” he says. “And who knows? Maybe the scholarship will even lead to a job.” Personnel officer Lena Joppich isn’t the only person at WAGNER happy to hear about such interest: “We want campaigns like the WIR scholarship to help us discover new talent and ignite passion for WAGNER’s work.” ■

i

What is behind the WIR scholarship?

The WIR scholarship is sponsored half by the federal government, half by a company. Like other companies in the ZUKUNFTINC. network, WAGNER is one such sponsor. The scholarship program is designed to bring dedicated young professionals and regional companies together.



LEGAL INFO

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11/06/2018 – 15/06/2018

CeBIT Hanover



Experience fire prevention first hand

Want to see for yourself just how effective our innovative fire protection solutions are? Then come visit our world of live demonstrations and exhibits in Langenhagen: at WAGNER World, we present our fire protection solutions in action. You will find more information at info@wagnergroup.com.

11/06/2018 – 14/06/2018

NFPA Las Vegas



25/06/2018 – 27/06/2018

GCCE Chicago



18/09/2018 – 21/09/2018

InnoTrans Berlin



25/09/2018 – 28/09/2018

Security Essen



Visit www.wagnergroup.com or additional upcoming events and to contact your partners at WAGNER directly



BETTER SOLUTIONS IN FIRE PROTECTION

