

Integral WAN

New networking concept

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Editorial

Dear customers and business

partners, Digital integration is forging ahead in leaps and bounds; this includes the municipal sector. Klostern-euburg near Vienna, for example, has already intelligently linked the fire detection and fire alarm systems for seven municipal institutions such as schools and kindergartens. The third-largest city in Lower Austria uses the Integral Mobile app from Schrack Seconet to monitor all fire alarm control panels from the integrated locations. Read in our cover story starting on page 8 how mobile remote access allows permanent monitoring and uses information in real time to make the planning of any intervention efficient.

Networking on a grand scale

Our new premium network integral WAN can link not only the monitoring but up to 4.000 fire alarm control panels and around 100,000 data points as in industrial complexes, power stations or distributed locations. This powerful, flexible network solution will launch internationally from May 2018. On the opposite page, you can read how integral WAN significantly reduces resources and costs by using smart networking.

Security and convenience

If you would like to know more about practical experiences with our systems,

I recommend our Best Practice section starting on page 4. Here you can read how the VISOCALL IP hospital communication system provides security and convenience at the ultra-modern NMC Khalifa Private Hospital in Abu Dhabi and why the new ferry port in Zadar relies on fire detection and fire alarm systems from Schrack Seconet. Finally, on page 13, you will find how the international forwarding agency Berger Logistik from Wörgl is bringing its new control panel in Wörgl up to date in security technology with access solutions from Schrack Seconet.

Secure systems

And while on the subject of security, I am pleased that we were able to call on DI Dr. Markus Kammerstetter, head of the Secure Systems Lab at Vienna Technical University for this issue. In the interview on page 16, he describes current security challenges from smartphones to the Internet of Things and how companies can protect themselves.

Enjoy your read!

Yours sincerely,

Wolfgang Kern



PHOTO: KIRAN LORANCE

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PHOTO: ISTOCK / USCHOOLS

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Integral WAN makes the networking of fire detection and fire alarm systems much easier. Up to 4.000 control panels, even those of different generations, can be connected to each other.

Thousands of data points

Smart networking

Display and operation are the two pivotal features of the new Integral WAN premium network. Information from all subsidiaries is gathered at a central location and can be called up from there at any time. Shutdowns and other control processes are also possible, locally or remotely, if this is consistent with national standards.

Cross-location

Fire detection and fire alarm systems can be operated efficiently with Integral WAN. Control panels from different generations can be linked without problems. Even complex networks across local boundaries are cost-efficient with Integral WAN because components such as converters, power supply units and additional cabling are not needed. In this way, Integral WAN significantly reduces effort and costs and provides a high degree of investment security.

Integral WAN brings a new dimension to the networking fire detection and fire alarm systems.

Central administration

Integral WAN is ideal for widely separated company premises, unmanned locations or companies with a network of branches – they can be serviced perfectly via a central control panel. Software changes are installed or systems shutdown remotely. Locations do not have to be visited specially. Individual fire alarm control panels are connected via the customer network and all information brought together. The network architecture is therefore very flexible. Both tree and ring structures are possible, and individual control panels can also be made subordinate to others.



One company, multiple locations: Integral WAN connects fire detection and fire alarm systems regardless of separation – even across IP-based networks.

Fire safety for the new ferry port of Zadar/Gaženica

Zadar, located in the Dalmatia region in Croatia, looks back on 3,000 years of history. Situated directly on the Adriatic Sea, the lively coastal town lures many visitors every year with a special combination of sightseeing and culture, beach and leisure. The city of 80,000 inhabitants is also an important transport hub which connects northern and southern Croatia. The new modern and efficient ferry port of Gaženica, some 3.5 km to the south of the famous old town of Zadar, is therefore very important for the entire region, both in terms of tourism and economy. Schrack Seconet has provided the fire safety systems for the split building with a passenger terminal and a police wing.

Largest project on the Adriatic

The construction of the Gaženica port commissioned by Lucka Uprava Zadar is Zadar's largest project ever and currently the largest construction project on the Adriatic Sea, ex-

ecuted through the main contractor STRABAG. 250,000 cubic metres of rocks and marine sediments had to be removed from the harbour basin to reach sufficient depth to accommodate the future ships, and another 1.8 million cubic metres were heaped to create the building site for the port. This is where a split building complex containing a passenger terminal and a police area now stands. The entire ferry port, which will be used for both domestic seafaring as well as international ferries and cruise ships, spans over 24 square kilometres. Cruise guests can expect another special feature: A 200-metre-long skywalk offers a direct connection between the ship and the mainland, just like in airports.

Smart fire safety

It is thanks to the Croatian company Eccos that Schrack Seconet was chosen as the fire detection and fire alarm systems partner for the electrical systems and installations of Gaženica port.

Schrack Seconet started installing the fire safety system in August 2017. The passenger terminal is now equipped with the very powerful fire alarm control panel Integral IP MX, which is optimised for the protection of large installations and

The automatic fire detection and fire alarm system "Integral IP" is available for all installation sizes – from industrial installations, airports and shopping centres, hotels and housing complexes to smaller objects such as restaurants or schools. All control panels are mutually compatible and can be expanded at any time.

buildings. The smaller building area for the police is monitored by the compact fire alarm control panel Integral IP CX. A total of 850 automatic multiple sensor detectors ensure reliable early fire detection. In addition, 70 manual call points for the manual activation of a fire alarm as well as 100 input and output modules were installed.

Solid collaboration

Originally, fire alarm systems from another provider were supposed to be installed. To achieve the required high quality level in fire protection, Eccos, the partner company of Schrack Seconet in Zagreb, soon decided to replace the fire protection with solutions from Schrack Seconet. Thanks to the flexibility and compatibility of Schrack Seconet's fire alarm systems and a solid collaboration on site, this was done very smoothly. The entire Gaženica port project is now in its final phase, and the ferry service is already running. *



The Gaženica port is currently the largest construction project on the Adriatic. Schrack Seconet equipped the passenger terminal with a powerful fire alarm system.

VISOCALL IP for new clinic in Abu Dhabi



PHOTO: KIRAN LORANCE

The NMC Healthcare Group operates several top modern private health institutes and hospitals in the United Arab Emirates. In 2016, they introduced the NMC Royal Hospital Khalifa, a new complex with 500 beds in Khalifa City, a prosperous suburb of Abu Dhabi. Just like almost all other hospitals of the NMC Healthcare Group, Schrack Seconet was also in charge of equipping NMC Khalifa with the IP-based communication system VISOCALL IP.

Famous for its quality

VISOCALL IP meets the high expectations of NMC Healthcare regarding the communication

VISOCALL IP by Schrack Seconet is a certified full IP nurse call system which has taken over hospital communication all over the globe. Nurse call systems for patients are integrated in a combined technical platform for communication, organisation and care.

systems in the hospitals of the group. This is why NMC specifically wished for their local partner for electronic hospital systems to use Schrack Seconet as a supplier for the new hospital in Khalifa City.

Full duplex communication

It was particularly important to the hospital managers that VISOCALL IP allowed for full duplex communication, meaning that data and voice messages be transmissible in both directions at the same time. Furthermore, a separate server was set up in NMC Khalifa for VISOCALL IP which ensures uninterrupted service even if the hospital server came to fail.

Hospital in Khalifa City:
NMC Healthcare opted again for VISOCALL IP.

Security and convenience

Patients as well as doctors and nursing staff can rely on an efficient, networked information and communication technology that meets the daily challenges faced in a high tech hospital. All in all, Schrack Seconet installed – together with the local partner Modular Concepts LLC – 630 lamp modules, about 400 call and acknowledgement buttons, 340 communications terminals, 300 patient terminals directly by the beds and 60 staff terminals in the nurses' stations. *

The digital building

Around 15 scientific staff members at our Center for Building Technology in Pinkafeld are carrying out research into sustainable energy supplies and the maintenance of buildings. Due to increasing complexity and rising demands on quality, costs and flexibility, maintenance in particular is becoming increasingly important. In this field, new technologies in the Internet of Things and Internet of Sensors are opening up innovative possibilities for more efficient monitoring of plant components or entire systems. Furthermore, stored measurement data on technical building systems possesses an immense informational value.

Digital twin

Up until now, every step in the realisation of a building has meant a loss of information due to the different professionals and tools used. Digital Building Information Modelling (BIM) retains detailed information from the planning and construction phases and can be used for ongoing operations and maintenance. Stored in a structured way, data from technical building systems and components offers extensive information value: real field data can be used to determine efficiency increases, detect errors and investigate the influences of disturbances and environmental factors. Complex data, intelligently analysed, is also changing the previously valid principles of product development, enabling the development of options for digital remote maintenance and remote optimisation.

Mutual knowledge sharing

This is where our techFM4.0 course comes in, which will deal with digital innovations for technical facility management until summer 2020. Participants are the University of Applied Sciences Burgenland in Pinkafeld and the Austrian Institute of Technology as scientific partners, as well as Schrack Seconet and seven other professionals as corporate partners. The project runs for a period of 30

FH Burgenland in Pinkafeld:
Schrack Seconet participates at the innovation course techFM4.0 for mutual knowledge transfer.

months and is funded by the FFG (Austrian Research Promotion Agency) and the Federal Ministry for Digital and Economic Affairs, which aim to initiate mutual knowledge sharing between research and companies by means of this innovation course.

Complementary consortium

Our project consortium is deliberately complementary: each member can thus contribute their own individual experience in order to ultimately achieve collective added value on the interdisciplinary issue of digitisation. techFM4.0 creates tailor-made qualification measures that enable the corporate partners to develop digital innovations and thus ensure energy- and cost-efficient operation of existing and new buildings. Our goal is not

to train individual persons, but to achieve a scalable increase in know-how for the participating companies, which can lead to the development of new products and business areas. In addition to imparting knowledge along the entire building value chain, the focus is also on the specific application. Our real research building ENERGETIKUM in Pinkafeld can be used for this purpose. The results of the project will eventually influence the further development of the related degree programmes at the University of Applied Sciences and the associated professional fields. ✱



ABOUT THE PERSON

Prof. (FH) Dr. techn. Christian Heschl is head of the Center

for Building Technology at the University of Applied Sciences Burgenland in Pinkafeld, and supports the research project techFM4.0 in which Schrack Seconet participates.



PHOTO: FACHHOCHSCHULE BURGENLAND GMBH

With the app Integral Mobile
the fire protection officer Leonhard
Schmuckenschlager always has an eye on
all fire alarm systems.



Always App-to-Date

Many municipal institutions, one central app – with Integral Mobile Klosterneuburg entered the digital era for fire safety in kindergartens, schools and the like. All alarms and fault messages are displayed automatically – the fire safety officer knows about all locations everywhere and at all times. Seven municipal institutions have already been integrated into the solution and the system will be gradually expanded as part of a long-term investment plan.

KLOSTERNEUBURG: FIRE SAFETY IN THE DIGITAL AGE

Integral Mobile is the new app for smartphones and tablets. It is the successor to IACmobile and provides information on all fire detection and fire alarm systems in real time. Alarms or faults are displayed automatically, even if the application is not in active use. Your own employees always have the system in view, including when they are not on the spot. Monitoring is therefore much more efficient and problems are identified and solved at an early stage. This results in less downtime and fewer fire brigade deployments caused by fake or false alarms.

“The kindergarten in Kritzendorf is an excellent example of what is possible when everyone works well together. The most important things are the education and safety of our children. That’s why I’m happy about the new app, which will make fire safety much easier in such a sensitive area.”

STEFAN SCHMUCKENSCHLAGER
Mayor of Klosterneuburg



Already in 2014, the third-largest city in Lower Austria set the course for the digital age. The urban buildings will be gradually integrated into Schrack Seconet's app solutions. Kritzensdorf Elementary School (top left) and Amtshaus Kritzensdorf (bottom left) are already connected by mobile.



Nestled between the Danube and the Vienna Woods, Klosterneuburg is not only one of the most popular residential areas at the gates of Vienna but is also a city with a history reaching back 900 years in the story of Austria. The past may be more present here, but the challenges of the digital era are just as topical – and Klosterneuburg is very aware of them.

Remote monitoring of locations

When it came to fire safety, the third-largest city in Lower Austria set course for the digital age back in 2004. The central “switchboard” is the Integral Mobile app from Schrack Seconet. This mobile application for smartphone and tablet shows the status of all fire alarm systems at a glance. That is not only convenient but also make continuous monitoring much easier. Leonhard Schmuckenschlager, the central fire safety officer in Klosterneuburg, explains: “Our users on the spot cannot generally take on organisational fire safety.

It also doesn't make sense for me to shut down all 18 buildings each week to check the systems. With the app, I can now see the status of the systems at a glance. Green ticks mean everything is OK.”

Klosterneuburg decided on this concept for remote, mobile access very early on. “Several locations have been connected via our app for almost four years. Klosterneuburg also shows that fire safety in line with the latest standards is very important because the investment, of course, goes way beyond the prescribed measures,” emphasises Andreas Grusch, Head of Project Management at Schrack Seconet for Vienna, Lower Austria and Burgenland.

Information in real time

The digital concept has clear advantages and these are evident in many daily processes. “With the

“With the information from the app, I immediately know what the problem is and whether someone is needed on site promptly”.

information from the app, I know immediately what the problem is and whether someone is needed on site immediately,” says Schmuckenschlager. Permanent monitoring guarantees at all time and in all locations, that up-to-date information is available on the status of the system. Reports and evaluation options allow problems to be identified at an early stage. The additional information also pays for itself in an emergency. The fire brigade receives additional, more detailed information such as the exact location of the fault and what needs to be considered.

Integral Mobile therefore brings progress on many levels – only the standardised geodata detection fails to meet expectations of Leonhard Schmuckenschlager. System operation is limited to the area around the building. In Leonhard Schmuckenschlager's view:



Seven municipal institutions have already been integrated into the solution. The new Kindergarten in the district of Kritzensdorf is already included from the start.







PHOTOS: THOMAS TOPF

Gradual investment in fire protection: Andreas Grusch, Schrack Seconet, and Leonhard Schmuckenschlager, Klosterneuburg (f.l.t.r.)

“Standards are basically there to promote quality but this limitation is very difficult in practice. Errors in operation can also occur on site.

Priority for personal safety

Seven locations in the municipality with the same number of central switchboards and more than 700 detectors have since been integrated into the app solution from Schrack Seconet. A start was made with schools and kindergartens: “The main goal is personal safety and here we have the most people and especially those in need of protection – the children,” emphasises Schmuckenschlager. Other buildings will follow in the course of a gradual investment plan, among them the new kindergarten in the suburb of Klosterneuburg-Kritzen-dorf, opened in early 2018.

Budget-friendly model

The changeover does not cause selective budget stress but is spread over a longer period and is implemented as cost-efficiently as possible. “We use current investment projects and can then install lines for networking the detector systems in an almost “minimally-invasive” fashion at the same time,” explains Schmuckenschlager. As part of these investments, existing buildings are brought up to today’s standards of preventative fire safety. “Sirens, manual call points, fire zones, detectors – they all cost something, of course, but they also contribute a lot as well,” Schmuckenschlager underlines, because, if the worst comes to the worst, there is a lot at stake. *

Three questions to Leonhard Schmuckenschlager

Integrating intelligent building technology

fire&care — What made you decide to implement a solution with mobile, remote access?

Leonhard Schmuckenschlager — We are a relatively large district in Lower Austria with many locations. Our ultimate aim is to integrate all building technology, that is to bring together fire safety, video and heating control. All systems can then be controlled centrally, with the town hall as headquarters.

fire&care — What for you is the most important benefit of the Integral Mobile app?

Leonhard Schmuckenschlager — All systems are networked via the app. I can see immediately whether all systems are running or whether an operating function needs attention. The technician at Schrack Seconet has access to the same information and can also take immediate action. The app is also practical during construction work. When a building site is being set up, there is usually someone on site who can deactivate the detectors. The reconnection can then be programmed automatically or done later while on the road or even the couch... That way you save costs for journeys and overtime.

fire&care — Use of the mobile app started in Klosterneuburg in 2014. Since last year, there has been the new Integral Mobile.

What has changed since then?

Leonhard Schmuckenschlager — The update has brought us a lot. The appearance and build quality are very good, and the application has become easier to use. The login has been refined and you don’t have to keep logging in each time.

Leonhard Schmuckenschlager

is head of the fire safety division of the Municipality of Klosterneuburg and is a court-certified expert for fire safety. He also has a Master’s degree in Risk Prevention and Catastrophe Management from the University of Vienna.

Safe across the board

CONVENTIONAL POINT DETECTORS REACH THEIR LIMITS IN CERTAIN SITUATIONS, FOR EXAMPLE WHEN A ROOM IS TOO HIGH OR WHEN CABLES CAN'T BE LAID IN A BUILDING. LINEAR SMOKE DETECTORS ARE OFTEN AN OPTIMAL SOLUTION FOR THESE AND SIMILAR APPLICATIONS.

In the case of linear detectors, a transmitter projects a wide range of infrared light to a reflector or receiver on the opposite side of a room. There the light is either evaluated directly at the receiver or is sent back from the reflector to the transmitter for evaluation. If the light beam along the route is clouded or attenuated by smoke, for example, the system emits an alarm. The linear detector also detects the flickering typical for fires. It is technically possible to monitor a distance of up to 200 metres. "With linear smoke detectors, large areas can be covered very well," says Harald Kobermann, product manager for fire alarm systems at Schrack Seconet.

Typical areas of application for linear smoke detectors are therefore large or high rooms. They are thus often used in production halls,



"In individual cases, a decision must be made on the basis of total cubic capacity and possible disturbances as to which system is most appropriate for optimum early fire detection."

Harald Kobermann
Schrack Seconet



PHOTO: ISTOCK / USCHOOLS

Linear detectors are a good choice in high rooms and other special environments.

aircraft hangars, historic buildings and domes - or even in a high atrium, as is sometimes found in department stores.

Affordable installation

The linear detectors also impress with low installation costs. The wiring effort is low, as cable entry is only necessary at one point. It is precisely this advantage that is often decisive for historical buildings. Neither cable duct nor flush-mounted installation of point detectors are an option for a ceiling with impressive Baroque frescoes, making linear smoke detectors an ideal solution here. Cables can usually be fed from the rear, e.g. via a shaft or an adjacent room. Maintenance costs are also minimised by linear detectors. The test is carried out with test filters that simulate fire characteristics in the infrared light path.

Observing sources of interference

If used correctly, linear detectors are a very sensible choice in special environments. However, the decisive factor is the consideration of potential sources of interference that affect the infrared beam, such as

considerable dust pollution or operational interruptions, e.g. due to overhead travelling cranes. Heat pads directly below a ceiling must also be considered as they can prevent smoke from rising. Linear detectors must thus be planned and installed according to the circumstances and the installation guidelines.

The installation of linear detectors therefore requires a great deal of experience. Kobermann emphasises: "Linear smoke detectors are used in various areas of application. In individual cases, it must be decided which system is suitable on the basis of the size and possible disturbances." Country-specific guidelines define the permissible ranges of a single linear detector: according to TRVB 123, a system in Austria can cover an area of up to 1,600 m² and a distance of up to 100 metres. ✱

TRADE FAIRS IN THE ARABIC MARKET – "FIRE OUT" AT DISPOSAL BUSINESS –
ROUND TABLE BY SAFETY EXPERTS AT SCHRACK SECONET – GARTNER AND FUTURE TECHNOLOGIES



Trade fair successes in Dubai

Arab Health. The United Arab Emirates represents an important and growing market for Schrack Seconet. The VISOCALL IP hospital communications system especially has already proven itself in many private hospitals in the region, such as Abu Dhabi. At Arab Health, the largest health fair in the world, at the end of January in Dubai, the new features of VISOCALL IP were therefore the focus of visitor interest. There was more exciting news about alarm forwarding on the stand of Schrack Seconet and a Dutch partner.

Intersec. Eltersec was also held in Dubai at the end of January. This is the leading trade fair for security and fire safety in the Arab region. Interest was particularly high this year, also thanks to the current construction boom following the renewed rise in oil prices and not least of all because of new local fire safety standards. A steady stream of visitors came to the joint stand of Schrack Seconet and ELV, our new partner in the United Arab Emirates, to find out about the latest trends in modern fire detection and fire alarm systems.

Exchange among safety experts

Austrian safety experts were invited to the Vienna headquarters of Schrack Seconet as part of a discussion event. The organiser of the expert round table was specialist fire safety group the Austrian Association of Safety Experts (VÖSI). There were two topics on the agenda: LFR Thomas Docekal reported on the topic of company fire services, while Wolfgang Ernst and René Türk from Schrack Seconet spoke about innovations in fire alarm systems and in technology. In addition to the professional input, there was also sufficient opportunity for personal exchanges and a discussion of current industry issues.



PHOTO: THOMAS TOPF

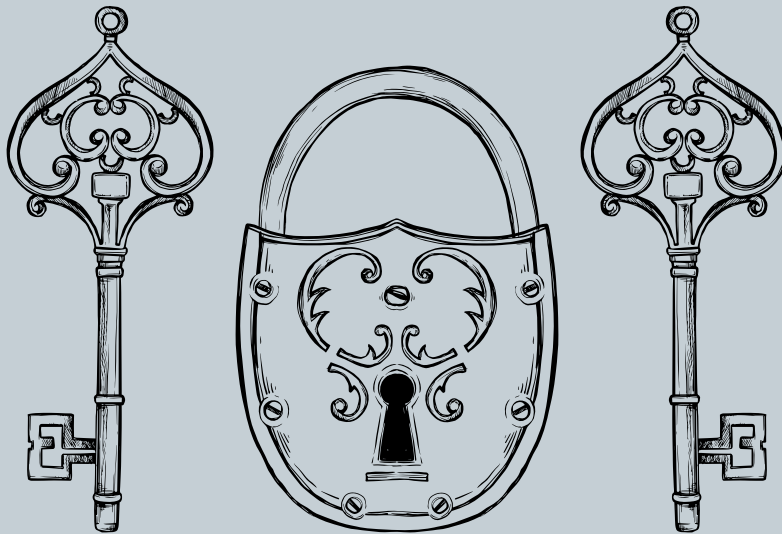
Gartner: three megatrends

The US market research company identifies three future-technology megatrends in the current "Hype Cycle for Emerging Technologies". On the one hand, new platforms such as 5G and the blockchain are gaining in importance. By 2020, only three percent of providers will climb on board the 5G technology, but the new standard should still be kept in view. On the other hand, technologies are succeeding even better at meeting the needs of users, with the goal of a "transparently immersive experience". Read and virtual worlds can thereby increasingly merge with each other. Finally, artificial intelligence is the third megatrend and will make its mark in the next 10 years. Artificial intelligence will ultimately enter many areas of daily life, just like commercially-used drones or cognitive computing.

Thanks to fire alarm system: danger quickly averted

Fire broke out at a disposal business in Lower Austria twice within a few weeks. The fire alarm system detected the danger quickly in both cases. Employees were alerted in good time by audible warning devices and were able to take immediate action using portable fire extinguishers. The fire brigade was also alerted early on by the fire alarm system. Emergency personnel used breathing equipment and were quickly able to extinguish the fire in both cases. Thanks to quick and correct action on all sides, it was possible to prevent more serious damage.

Safe all around



SECURE INTERNET OF THINGS

How can companies protect themselves? "The aim of safeguards is to minimise the risks to a level where they can be accepted." However, I must first be able to identify and assess my risks. That can be a real challenge. Security audits (at an organisational, conceptual and technical level) can contribute considerably to assessing the actual security situation and the resulting risks. After that, targeted safeguards can be put in place."
[Markus Kammerstetter]

Safety first is the motto for digital applications from Schrack Seconet. A multi-level security concept with connections established from inside and outside, the use of VPNs, basic encryption of communication connections, our own computer centre and much more guarantee the best possible data security.

As networking steadily grows, so too do the potential threats. Security expert Markus Kammerstetter speaks in the interview about current security challenges, from smartphones to the Internet of Things, and describes how companies can protect themselves.

fire&care — Smartphones and tablets have become central communication tools. What safety precautions are advisable when these devices are used for business?

Markus Kammerstetter — Mobile end devices are a challenge when it comes to security. On the one hand, we're installing new apps each day but on the other it's not easy to keep the operating system state of the art because the device manufacturers themselves are lagging behind. Confidential data should therefore be kept well away from devices. Interfaces such as Bluetooth and WLAN can be deactivated if they are not needed. The operating system should be kept up to date. And it is quite important when installing apps to be aware of the required licenses.

fire&care — In addition to mobile end devices, the Internet of Things (IoT) now introduces new security issues. Where are the main security risks here?

Markus Kammerstetter — Many IoT devices are not sufficiently secure because many providers pay too little attention to security during development. Some-

times it's a challenge for manufacturers of technical devices if they suddenly find themselves IT manufacturers because of the Internet connection of their products, and they do not yet have the necessary experience. For this reason, it is relatively easy to exploit weaknesses such as default passwords, Web vulnerabilities or inadequate authentication on IoT devices.

fire&care — One concrete issue in practice is that service providers integrate other facilities into existing customer networks. Are there defined interfaces here for responsibility for security incidents?

Markus Kammerstetter — Whether there are defined interfaces depends on the application. There are standards for automation components, for example. If there is a security incident, the responsibility currently lies mostly with the system operator and not the system developer. If a third-party product is used, the system owner is responsible and liable for its security.

fire&care — Last year, the security lapses at a wind-power company caused a sensation. According to the media, "wind parks are less secure than email accounts." Was that justified?

Markus Kammerstetter — I don't know if the comparison is valid because email accounts can vary from badly to very well secured. In my view, the problem is that manufacturers and system operators use critical industrial components that are easily accessible on the Internet and have known weaknesses in their implementation. Basic safeguards are neither observed nor implemented here.

fire&care — Security vulnerabilities often make it easy for cyber-criminals. What are the current trends in cyber-crime?

Markus Kammerstetter — These days, cyber-criminality is often organised and strongly motivated by the financial rewards. The typical consequences range from data loss and theft to financial or reputational damage. In addition to targeted attacks, there is a sustained trend in the direction of mass attacks. Here, attackers concentrate on finding a large group of victims. *



ABOUT THE PERSON

DI Dr. techn.
Markus

Kammerstetter

Markus Kammerstetter completed an IT degree at Vienna Technical University, majoring in security. At the end of 2011, he formed the company Trustworks in order to focus on security services such as penetration tests, infrastructure security audits, training courses and concept development. In the same year, he also started a PhD on critical infrastructures such as the power grid. He graduated with a distinction in 2016. Today, his results are, among other things, used via e-control by many network operators. At Vienna Technical University, he is the manager of the Secure Systems Lab where around 300 students attend his practical security courses each year.

GDPR: THE NEW DATA PROTECTION IN THE EU

...

The time has come, on 25 May 2018. The new General Data Protection Regulation (GDPR) of the EU has been applied in all Member States. Since then, all companies that process personal data in any way must implement the new requirements because the GDPR introduces numerous changes and some paradigm shifts. To put it in a nutshell, future data that could relate directly or indirectly to a person may only be processed where that is really required.

Extensive data protection

At the same time, numerous changes have come up for companies, including comprehensive documentation and information obligations and the creation of procedural registers. Companies also have to assign one person or department as the main contact point for the implementation of the GDPR. The procedural registers to be created by companies contain a summary of all data applications in the company and

"The GDPR guarantees the effective protection of personal data within the European Union. Data protection is therefore adapted to meet the current requirements of our digitised world."

Margit Hameder
Schrack Seconet

form the core and starting point for all further measures that have to be implemented in accordance with the GDPR. All this brings organisational and technical challenges that companies should not underestimate. Failure to do so could result in substantial fines.

Extended rights of affected persons

The new data protection directive at a European level was and is mainly driven by the increasing requirements resulting from the ongoing digitisation of the economy. The GDPR not only extends and fleshes out the protection of personal data but grants the right to information and disclosure to all affected persons. The basic prerequisite for this is transparency with regard to the data applications concerned. In this way, the GDPR contributes to fair data processing and guarantees better control opportunities for affected persons.

GDPR as an opportunity

As an active player in an increasingly digitised business world, we at Schrack Seconet already started the necessary steps some time ago. We see the GDPR as an opportunity to strengthen our good relationship of trust with customers, partners and

employees by constantly adapting our processes to the new requirements in order to optimise them and create transparency. The aim of all these measures is to further ensure the confidentiality, integrity and resilience of systems and services in the light of the harmonised EU-wide protection of personal data. It is, of course, important to us to support our customers with our products during the implementation of the technical and organisational security measures of the GDPR, such as with our access systems and video-monitoring systems. Because we protect people and values – and, of course, personal data as well. ✱



Mag. Margit Hameder,
Head of Legal
Department,
Schrack Seconet

THE CLOUD MARKET GREW BY 18.5%



WORLDWIDE IN 2017. KEY GROWTH
DRIVERS WERE SOFTWARE-AS-A-SERVICE SOLUTIONS.
GLOBAL SALES IN THIS SEGMENT ARE EXPECTED
TO REACH AROUND \$100 BILLION BY 2020.

VISIT US AT FIREX INTERNATIONAL

19 – 21
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ExCel
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Experience our fire alarm system Integral IP and our communication system VISOCALL IP for the health care sector. Our two IP solutions use state-of-the-art technologies and meet the highest security standards.

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