



KRANKENHAUS GMBH
LANDKREIS WEILHEIM-SCHONGAU

DIGITISATION, THAT RESONATES WITH PEOPLE

Into the future at high speed: With its new data center, the Weilheim hospital has opened new perspectives. Above all, the patients benefit from this.

What power one good Hospital from? Good Doctors Knowledgeable Personal, of course. More because ever however becomes Medicine to one High-tech Matter. And High tech that that is nowadays almost automatic too: Digitization large Data in High Velocities. With bean New Computer centre has that District Hospital Weilheim now A New "Lighthouse" get. This Computer centre power on Many Flat Things possible, which only a few years ago was considered unthinkable held Had. For A Path in one modernity Secure and before All Digital-Le Future indispensable how Deputy. Manager Florian Diebel Finds.

At first glance, these two things don't have much to do with each other: medicine and a data center. On closer inspection, however, it quickly becomes clear that one without having the other increasingly difficult

**Treatments
become Faster
safer, more
Individual.**

Krankenhaus GmbH Landkreis Weilheim-Schongau unites many health facilities and training facilities under its roof. In total, more than 1000 employees are working to provide the population at the Schongau and Weilheim sites with high quality medical care.



^ Surgical Innovation is only with Powerful IT data processing to have: As first Hospital Upper Bavaria Sets that Team at Head physician Dr. Thomas Spoonbill the robot-armed Surgical technique Mako in orthopaedics and Trauma surgery one.

is. Not only because you can then exchange data faster, sometimes even in real time. But because digital data brings more order, structure and speed into everyday hospital life. Patient files become paperless. The ward round wagons on the stations can be equipped with computers. With the advantage that everything that doctors need to know in this moment is compact, reliable and always up to date. This benefits both the doctor and, of course, the patient. Treatments become faster, safer, more individual.



"I am proud of the new, modern digital network of hospitals Weilheim-Schongau, which helps to ensure high-quality, residential care to make it possible."

Andrea Jochner-Weiß
District Administrator

Another aspect: "With the new, electronic patient record, we get more time for treatment and discussion with the patients," says nursing service manager Anne Ertel. If you know how important such personal contacts and the individual approach to patients are, then you can guess what progress this means. Florian Diebel also emphasizes that of course it is not the technology alone that makes a good hospital. "First and foremost, our employees are still behind this," says the deputy. Manager.

The new data center – supports medicine

The new technology contributes to new, changed organization and smooth processes. First and foremost, the data center brings noticeable medical progress, a "digital leap" especially in the field of surgery. In the meantime, robots can also be used there. But: "Robot-assisted surgical procedures are only available with powerful IT data processing," explains Dr. Thomas Löffler, Head of orthopedics and Trauma Surgery. Therefore, Löffler continues, the hospital's investments in the new data center are forward-looking.

The investment in the new data center was a strategic decision for the Weilheim Hospital. Because it is already clear today what will be important in the digital medicine of the future: data, information and securing sensitive health data. In quantities and speeds that we can hardly imagine today. And such immense amounts of data must be processed somehow. The new center provides the appropriate computing power and is an ideal starting point for further, ongoing digital development.



< forward-looking IT architecture: The new data center at Weilheim Hospital – ready for processing the largest amounts of medical data.



An investment in quality of life

With the new IT infrastructure, the provider of material expenses, the district of Weilheim-Schongau, is not simply investing in the equipment of its hospital. Instead, this is also an investment in the quality of life of the citizens, as District Administrator Andrea Jochner-Weiß emphasizes. "I am proud of the new, modern digital network of the hospitals Weilheim-Schongau, which contributes to enabling high-quality, residential care," says the district boss happily.

Even before the actual start of the project, it was clear that a measure of this magnitude could not be mastered by the hospital alone. With the IT management consultancy Sepago, a leading company was quickly found. Sepago specializes in automated application readiness, virtualization, cloud solutions and IT security.

Geiger from Irschenberg was acquired as a know-how provider and specialist for data centers. Geiger accompanied the Klinikum Weilheim in the two-year planning and implementation process, starting with the choice of location of the server rooms, planning, construction supervision, consulting and support of the IT and integration of new technologies up to the move to the new rooms. Geiger will continue to support the hospital in ITS operations in the future. The result of the cooperation – a data center with which the Weilheim Hospital is one of the pioneers of an entire region.

And something else interesting has come out: a kind of "smart crane house". Because during the creation of the new data center, it was not just necessary to think about the most secure, fast and large data transmissions possible for medical operation. But also, to potential wishes and requirements on the part of patients. And they are different in 2020 than just a few years ago. "Connectivity is important for many patients today, even during a hospital stay," says Guntram Geiger, Managing Director of Geiger.

This includes a smoothly functioning and powerful WLAN. But many other "smart" facilities in the hospital that are not directly related to the medical operation also need a network. In the end, there was nothing less than the requirement to equip an intelligent, networked and high-performance hospital with the appropriate IT.



"With the new data center, Weilheim Hospital is on its way to a secure, digital future."

Florian Diebel Deputy
Managing Director
Hospital GmbH



^ More Time for Treatment and Conversation with the Patients. The Digital Patient power it possible.

Digitalization opens opportunities for doctors in Weilheim and Schongau – especially in the field of telemedicine. Because modern digital technology means being able to transport the dedicated know-how of the specialists to any location, as medical director Prof. Dr. Andreas Knez emphasizes: "The Weilheim Hospital and the cooperating universities and partner clinics need secure data exchange in extreme emergency situations. An investment in a new data center is therefore a clear safeguard for the future."

Speaking of the region: The investment in the new data center is not only interesting for the district of Weilheim-Schongau, but also a next milestone for the further development of networking in the Hospitals of the Free State. Universities such as the Klinikum Rechts der Isar in Munich can also be closely involved using telemedicine. to the hospitals in Weilheim and Schongau. We are not in competition here but give priority to the joint project to offer a care concept for patients in the region, which gives access to a wide range of medical expertise is possible.

There is a great chance that the various agencies will work together faster, more smoothly and more securely. The possibilities extend to the use of artificial intelligence. These algorithms could recognize relationships in the data that can be used in the individual treatment process for decision-making.

For the deputy Managing Director of the hospital, Florian Diebel, is certain: With the new data center, the Weilheim Hospital is on its way to a secure, digital future. A future that also offers patients real multiple lives. The data center is essential for this: "More digital changes the processes of a hospital. Offering patients appointments online and digitally supporting modern medical procedures requires secure and robust IT structures," says Diebel.

Digitalization in the healthcare sector is one of the major projects of the future. With the data center, the foundation for this has been laid.

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