

Five years of using AMiS in Klinikum Lueneburg

Klinikum Lueneburg is an acute care hospital with 13 clinics and institutes as well as five clinic departments with currently 527 beds. Today the clinics are working with 90 AMiS Clinical Workstations. In March 2019 the hospital decided to expand their fleet of AMiS for the new hospital building.

Klinikum Lueneburg is the academic teaching hospital of the University Clinic Hamburg-Eppendorf (UKE) and maintains its own school for nursing professions.



From paper-based to the digital world

The use of the electronic patient record (EPR) has been established in the Lueneburg Clinic for years. It provides the basis for an optimal and efficient information management of all data arising during patient treatment. In order to achieve a structural change from paper-based processes to the digital world, the acute hospital with currently 527 beds already relied on a holistic digitization concept in 2014 that took into account economic, technological and process-based processes.

Building on this concept, modern, centrally managed WLAN-infrastructures were established throughout the hospital, which enable the use of the AMiS clinical workstations from the Dutch company Alpatron Medical, which are individually tailored to the user. The clinical workstations, required for the mobile digital documentation, were selected for the hospital in a tender process. The decision was preceded by the active participation of users from the medical profession and nursing staff.

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Continuing the concept, the structural requirements for the expansion of the clinic were also created. In addition to the necessary IT infrastructures, parking areas with power supply were also designed, in which the AMiS can be optimally parked when not in use.



A strong partnership

"When selecting a suitable industrial partner in the field of digital carestations for mobile digital documentation, it was particularly important to us that our own decentralized IT hardware components could be built into a mobile digital workstation and that the carestations also met our future requirements for expandability," says Sandra Kuetz, Head of Information Technology at Health Holding Lüneburg GmbH. "The flexibility offered to us in cooperation, coupled with the innovative strength of Alpatron Medical, convinced us. We were also able to convince ourselves of the future solutions on site and in reference houses."

A total of 90 AMiS are in use. "Another special feature of our hospital is, that the medication and the medication history are taken by our own PTAs. This means that the nursing staff have more time to care for the patients and patient safety is promoted. All medication data, as well as the entire patient documentation, can be viewed and documented on site using mobile carestations. In the past, we would have had to manually transfer this data from paper to the electronic patient record," explains Korinna El-Cheikh, IT-Site Manager Städtisches Klinikum GmbH at Gesundheitsholding Lüneburg GmbH. It is also worth mentioning that working with the mobile carts, also processes outside of the stationary areas in the functional areas and outpatient departments, are optimized.



Experience with the use of AMiS

"After five years of using the AMiS from Alpatron Medical, all involved staff draws a very positive conclusion," explains Marc Papenberg, Head of Business Applications SKL and EMR-coordinator at Klinikum Lueneburg. "The users and the IT-department appreciate the high structural standard of the clinical carestations. In addition to the potential for clinical use, this is also due to the well thought ergonomic design, which enables the user to work at a variable height. The equipment of the trolleys can be designed in a modular manner to suit the requirements and individual wishes. Technologically, AMiS contains an intelligent battery system with a lithium iron phosphate battery system, which guarantees long-term performance when working on the move.

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René Liebe, Head of Network Administration in the Gesundheitsholding Lueneburg GmbH, adds: "High-performance work on mobile devices in a WLAN infrastructure is a general process-dependent requirement that we, as IT network operators, have to guarantee the clinical users in a reliable and service oriented manner. Complication free management of mobile devices is also in direct interaction with the manufacturer. In addition to a regulated support agreement, which is essential for a KRITIS house, according to IT SIG to maintain central digital

processes in the hospital, we maintain an innovative, successful and cooperative relationship with the entire Alpatron team. Together, this results in a strong customer supplier relationship that has grown over the past."

Conclusion of the users and IT managers

The previous collaboration between Alpatron Medical and the Klinikum Lueneburg has shown one thing: the success of a project within the scope of a digitization strategy depends on user acceptance and the smooth flow of processes within the process chain of all parties involved. This is only possible with strong partnerships between industry and clinic, where both sides maintain an open and constructive communication structure and, if necessary, jointly develop optimization potential.

