

# Hand hygiene with a plan from Hagleitner



**Improved patient safety**

due to dispenser monitoring with a system

## Brüderkrankenhaus St. Josef Paderborn Hospital

**“We chose the dispenser and monitoring system from Hagleitner, as it currently is the most innovative complete system on the market.**

With this partnership, we were able to fully meet the current recommendations of the KRINKO with regard to hand hygiene.

Our aim is to demonstrably improve compliance with regard to hand hygiene in order to increase safety for our patients.

The correct placement of sufficient hand sanitiser dispensers was the first step - followed by regular training for all employees. During operation, it is important to pass on information provided by the monitoring system to our colleagues in care in a timely, proactive and encouraging manner.

We are very proud that with our endeavours, we were able to practically eliminate nosocomial infections in our intensive care unit already in the first full calendar year after introduction of the monitoring system (2019).”  
*(Iris Hermes, Leading Hygiene Specialist)*



## Ospedale Bolognini Hospital, Seriate (Bergamo)

**“It was easy for us to choose the dispenser and monitoring system from Hagleitner.**

In the spring of 2020, as COVID-19 kept the world on high alert, and it ran rampant on an unprecedented scale particularly in the region of Bergamo, we had equipped certain areas in the hospital with the innovative dispensers. We found the spread to be significantly lower in these areas.

With the right positioning of a sufficient number of the dispensers and the fill level monitoring, we achieved an above-average increase of hand hygiene compliance. We are now using the system throughout the hospital, and are very pleased to be able to contribute significantly to improved patient safety.”  
*(Gloria Bettinaglio, Head of the Hygiene Department)*



Take the future  
into your own hands





... for more  
patient safety

## Together against hospital infections

Approx. 4.5 million infections (NI) are recorded annually in the European Union, of which approx. 25 % lead to sepsis, and approx. 10 % are fatal; accompanied by human suffering and additional costs running into billions.

According to hygiene experts, approx. 80 % of these infections can be avoided, if hand hygiene is performed 100 % correctly and at the right time.

Prof. Didier Pittet (WHO): „**CLEAN CARE = SAFER CARE**”

Hagleitner can help you to achieve improved compliance with regard to hand hygiene.

This involves targeted measures, which can be implemented per individual institution over a longer period.

According to recommendations by the German Commission for Hospital Hygiene and Infectious Disease Prevention (KRINKO, Kommission für Krankenhaushygiene und Infektionsprävention), the establishment of measuring systems is indispensable, to make shortcomings in hand disinfection compliance or any change in this regard visible.

Providing support here is Hagleitner senseMANAGEMENT, the monitoring system from Hagleitner. It is the basis for all measures, such as providing training for creating awareness, as well as during information events.

**ONLY WHAT CAN BE MEASURED CAN BE IMPROVED SUSTAINABLY.**

**TOGETHER WE CAN IMPROVE PATIENT SAFETY.**





## Analysing

### Only if you know where you stand can you decide where to go.

According to the National Reference Centre for the Surveillance of Nosocomial Infections in Germany, the average risk of an infection in intensive care units is between 15 and 20 %. Each of these nosocomial infections causes great human suffering; adding to this are the costs for the hospital operator, which usually amount to at least 20,000 Euro per case.

**15 to 20 percent of infection risk does not need to be accepted, the situation can be changed for the better. Let us embark on a path together.**

First of all, our experts for hospital hygiene will record the existing situation in your healthcare facility and create a dispenser concept based on the current KRINKO recommendations.

Together with the person responsible for hygiene in your institution, the foundation is laid; it is the working basis for your comprehensive team of doctors, carers, in-house technicians, ICT experts and many more. This way, together with Hagleitner, you will adapt the dispenser concept in the best possible way for your institution.



#### Example calculation: Intensive care unit with 20 beds

30 units of contactless hand sanitiser dispensers

20 units of contactless foaming soap dispensers

20 units of contactless paper towel dispensers

5 units of gateWAY LAN

Investment under

20,000 Euro

Minimum saving per year

100,000 Euro



## Planning

### Clear, structured and efficient: better than others.

You have decided to advocate more patient safety and invest accordingly. You now need professional planning for the realisation and implementation of the dispenser and monitoring system from Hagleitner.

Together with the persons responsible in your institution, our experts for logistics and installation will agree a clear plan of when and where the systems will be installed. You provide the specifications, Hagleitner does the work. For example, the work can be carried out in a few week's time or in the course of the year - depending on what works best for your institution.

At the same time, our consultants will notify all persons in the individual departments of which changes to expect in the near future associated with which advantages. Everyone should be informed in the best possible way, be in the same boat and able to row in the same direction, always focusing on the well-being of the patient.

**With Hagleitner, you not only save the effort and costs for installing the dispensers, but also the hygienic treatment, which is recommended by the Robert Koch Institute after each refill change.**



#### Example calculation

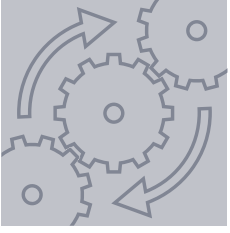
100 units of hand sanitiser dispensers

100 units of contactless soap dispensers

**Annual costs for treatment: approx. 6,000 Euro**

**With Hagleitner 0.00 Euro**

Thanks to their design, liquid dispensers from Hagleitner cannot become contaminated internally, which is confirmed by independent assessments as well as the expertise of the Austrian Society for Hygiene, Microbiology and Preventive Medicine (ÖGHMP). See QR code.



## Onboarding

### Acting consistently and responsibly with consideration and respect.

An important step towards the hospital of the future has been done, now it is important to use the investment correctly. For this, acceptance of all departments and professional groups is required.

Together with your hygiene team, Hagleitner organises all required and desired training. Our hygiene experts will train your employees and will help you to deepen the understanding of hand hygiene. In practice, this will also include the easy handling of the dispensers for users and the service personnel.

**Hagleitner will support you throughout the entire system onboarding process.**

### Successful and efficient

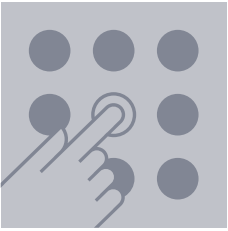
- Hand hygiene training for all professional groups
- Product training for the care staff
- Product training for in-house technicians
- Product training for the cleaning personnel
- Software training for the hygiene team



Currently, compliance with regard to hand hygiene is determined through direct observation of your specialist hygiene staff. You thus achieve less than 2 percent of the indications, in connection with the Hawthorne effect\*, this leads to distorted compliance quota.

**The monitoring system from Hagleitner runs permanently and provides individual information in near-real-time. Your hygiene team uses these data to work on improving compliance with regard to hand disinfection – for better patient safety.**

\* The Hawthorne effect can occur in group-based observation studies. According to this, participants change their natural behaviours, as they know that they are taking part in a study and are under observation.



## Monitoring

### Enthusiasm is the driver to become stronger together.

**Your standards you have specified count, as they help you to grow optimally – Hagleitner actively supports you in this.**

Your dispenser and monitoring system from Hagleitner has been established and is fully accepted by your employees: a great success, which has already brought you positive feedback from patients as well as visitors.

The experts from Hagleitner support your hygiene team in the sustainable use of the data, which are now recorded

permanently. The positive mood from the onboarding phase should be maintained, and extended. The following is vital: Timely, individual and positive feedback result in a sustainable improvement of hand hygiene compliance.

Let us work together to compare time ranges and different areas within your health care institution, to evaluate and improve your compliance quota. What is important is the anonymous recording and responsible use of the data – so that all persons involved can endorse the measures.

**Together, we increase patient safety to a considerable degree.**



Our technical feedback system improves compliance with regard to hand hygiene and increases the use of hand sanitiser.

**Higher consumption rates of hand sanitiser are proven to lead to a significant reduction of nosocomial infections.**

# Hagleitner dispenses safety: Count on us

It is also about efficiency and your resources.

Average donator investment for a hospital for maximum treatment – once per 100 beds:	First year	Three years
Saving in the preparation of liquid dispensers <sup>1</sup> :	- 4,650 Euro	- 13,950 Euro
Saving for paper towel and soap <sup>2</sup> :	- 5,000 Euro	- 15,000 Euro
Saving indirect personnel costs <sup>3</sup> :	- 11,350 Euro	- 34,050 Euro
Savings with less NI <sup>4</sup> :	- 100,000 Euro	- 300,000 Euro

<sup>1</sup> With the system from Hagleitner, the constant preparation of your liquid dispensers is unnecessary. Germ-free use is verified through different assessments by accredited institutes.

<sup>2</sup> Dispensers from Hagleitner verifiably help to save paper towels and soap, made possible by sophisticated mechanisms.

<sup>3</sup> Cleaning personnel service dispensers in a targeted way based on their application data, and the devices have a smart reserve function as well. Both reduce indirect personnel costs, and promise functional as well as available dispensers.

<sup>4</sup> This is based on five nosocomial infections in an intensive care unit per year; this number is prevented in this calculation. The costs are 20,000 Euro per case, it is assumed.

They save numerous patients from additional suffering, and the hospital from high costs with less nosocomial infections.

**The reduction of nosocomial infections is directly linked to the increased compliance with regard to hand hygiene.**

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