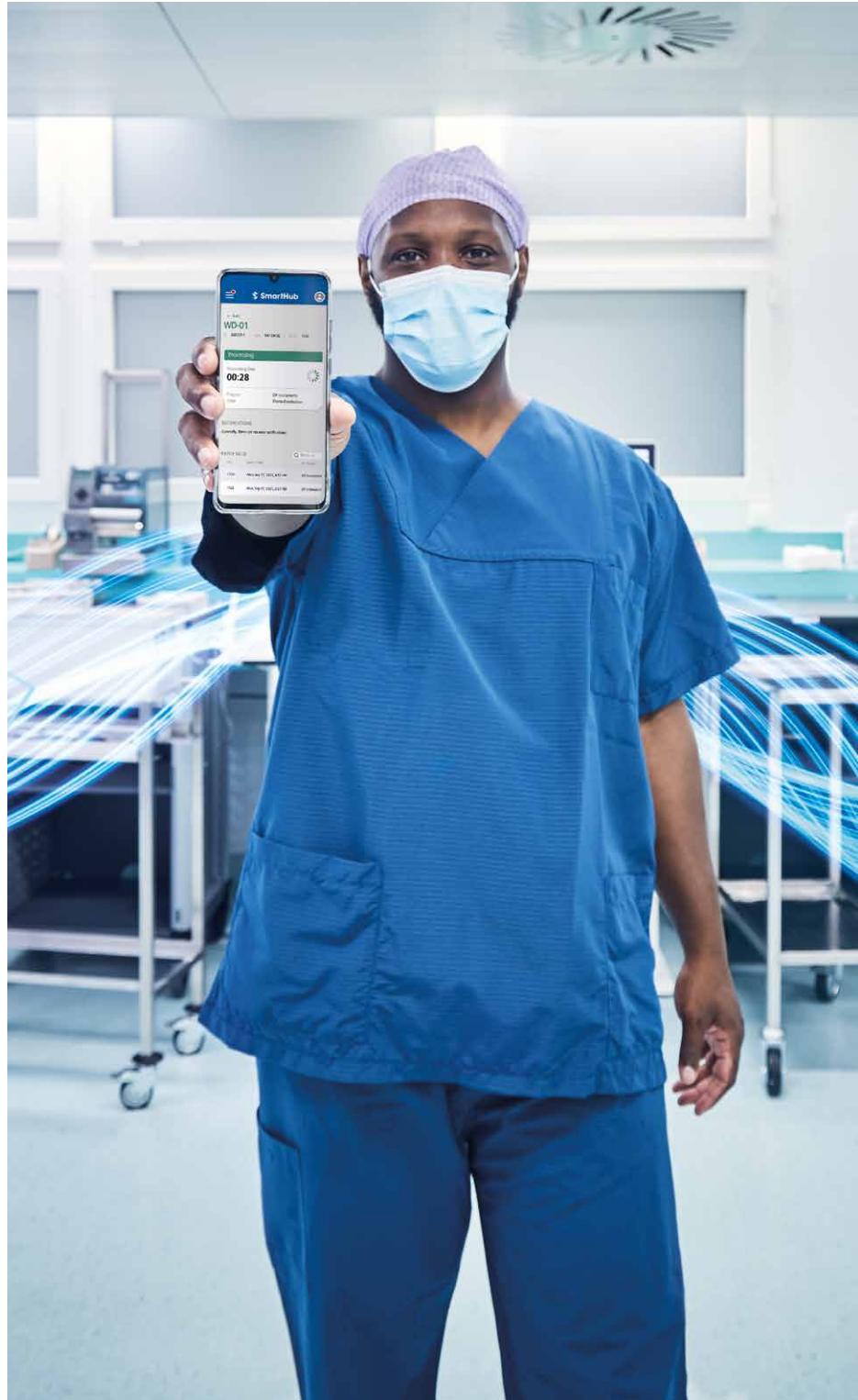




**SmartHub**



**The digital  
solution  
for smart  
CSSDs**



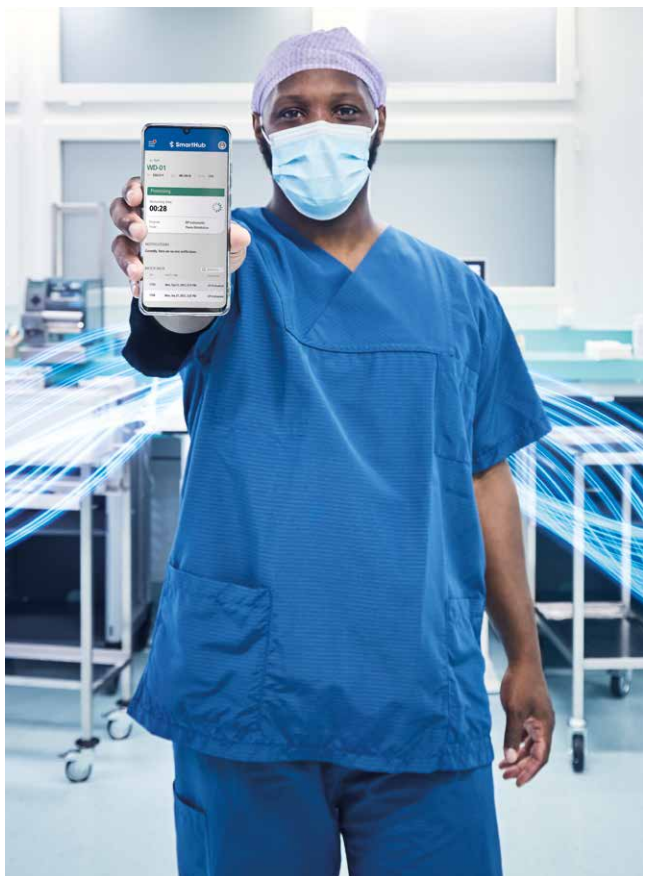
Powered by  
**Belimed**  
Infection Control

# Your machines are talking. Are you listening?

Digitalization has drastically changed how we work and live, and it will continue to shape the healthcare industry. We believe that a digitalized, smart hospital needs a data-driven CSSD, which allows modern and digital work processes, creates higher work efficiency and makes work in the CSSD easier and safer for everyone.

To make this vision a reality, Belimed has developed SmartHub, an easy to use web application that communicates with the user. It collects all data that is created by each Belimed machine and turns it into relevant, well visualized information for CSSD managers.

However, it is not just a tool for the CSSD management, SmartHub is designed to benefit the whole CSSD team, thanks to its continuously evolving features for e-learning and troubleshooting.



At the end of my working day as head of the CSSD at the Schulthess Klinik, I still have to be sure that everything is running smoothly. With SmartHub from Belimed I am always in the know, even when I'm somewhere else.

Mario Rocha Sampaio, CSSD Manager,  
Schulthess Klinik, Switzerland



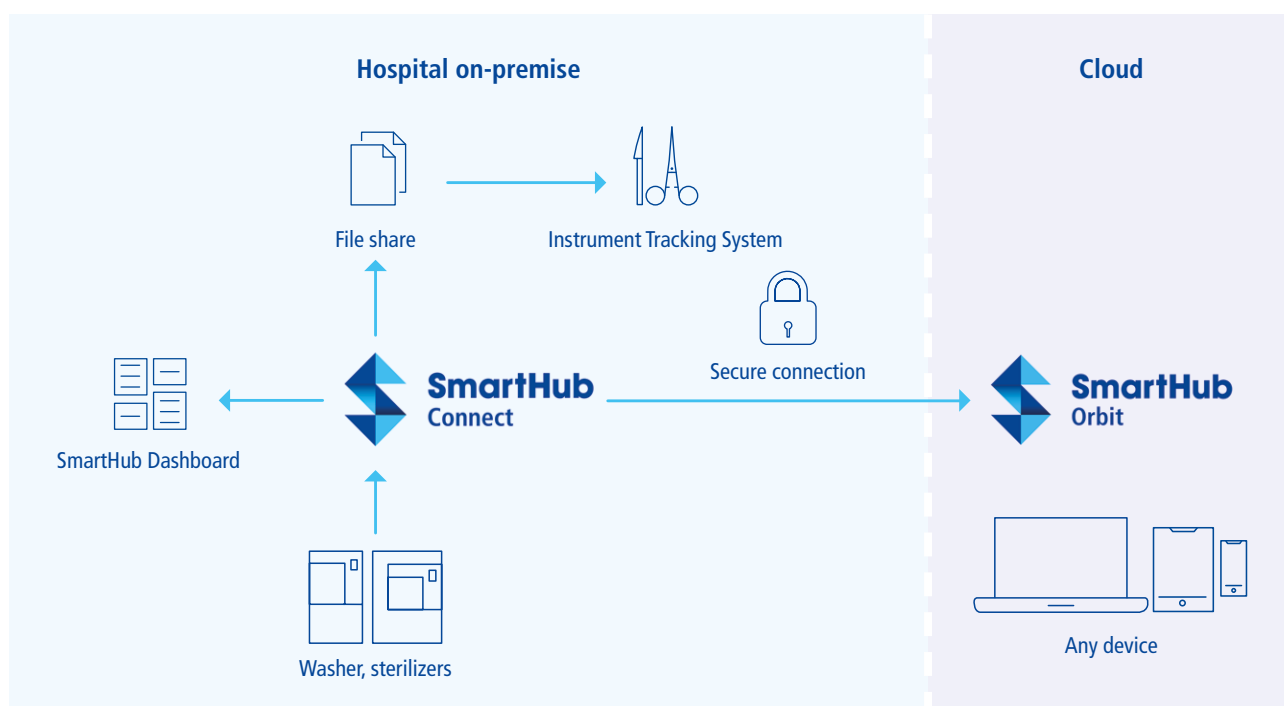
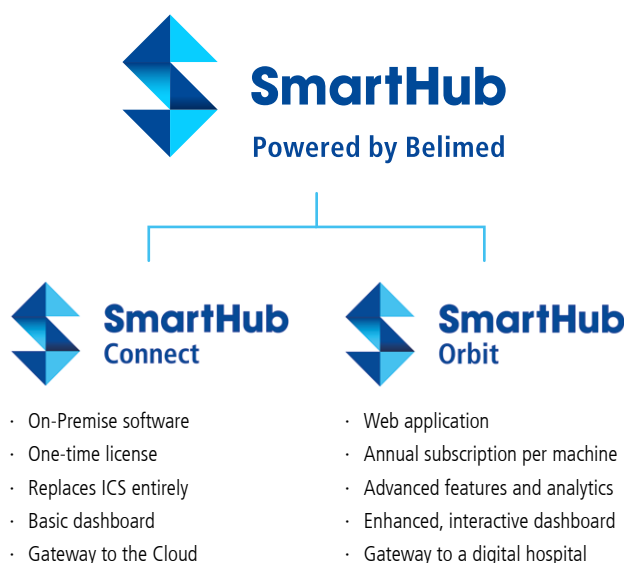
# SmartHub – your gateway to the smart CSSD

Belimed’s washer-disinfectors and sterilizers produce up to two million data points per cycle, including program selection, chemical dosing quantities, temperature, water volumes, operating times and water conductivity. SmartHub is a software solution which ensures that all relevant machine data is captured in real-time from any Belimed machine to be further processed.

SmartHub provides a dashboard that shows insights into the machine cycle stages, thus keeping everyone working in the CSSD informed at all times. It also has the ability to collect and display batch information and allows for smooth integration to any Instrument Tracking System.

SmartHub can be run on-premise but unfolds its full potential as a web application – SmartHub Orbit. This is where all machine data is turned into insights – and value. All relevant machine data and cycle statuses can be accessed from anywhere, at any time. This gives CSSD managers full control and will transform the way they work.

**However, SmartHub is more than just a connection – it will pave your way to a fully digital CSSD.**





With your CSSD now connected to the Cloud, Belimed provides additional resources that help you maximize the efficiency of your CSSD to give you more control than ever.

All relevant Belimed machine data is transmitted in real-time to your device of choice and provides the management of the CSSD with an overview of the desired information. The following data is transmitted:

- Program progress
- Alarms and fault messages
- Sensor data
- Loading data

## What are the advantages of SmartHub Orbit?

### Reduce downtime

If an incident has occurred during the night (e.g. a machine defect), a member of the CSSD team can be informed at home and can react in the CSSD at the earliest opportunity, if necessary, to rectify the problem as soon as possible, thus maximizing any uptime.

Machine related questions from the on-site team can also be answered outside the CSSD at any time by using data access.

### 24/7 Information at your fingertips

Although CSSD processes are very robust and clear, inevitably things happen. SmartHub Orbit offers CSSD managers peace of mind by ensuring they are always well informed.

### E-Learning and troubleshooting

Thanks to the integrated training modules, a well-trained team is at your disposal at all times.

The help for troubleshooting module also provides the ability for machines to be brought back into operation without outside assistance.

### Go paperless

All documentation is digitally archived and easily accessible through SmartHub. This saves time and is more environmentally friendly. (Feature available in Spring 2022).

### Batch management

Batch documentation is always stored and can be easily viewed or exported as CSV files.

### Alarms and notifications

Stay informed about alarms and error messages and ensure you can react quickly to malfunctions in real-time.

### Multisite capabilities

SmartHub Orbit provides an overview of all connected CSSDs in a hospital chain, both inside and outside the hospital, thus saving time needlessly spent going to each CSSD separately.



## The new SmartHub Orbit at a glance

SmartHub Orbit is the new web application from Belimed that allows CSSD data to be accessed from any browser and any device (notebook, mobile, tablet) anytime and anywhere.



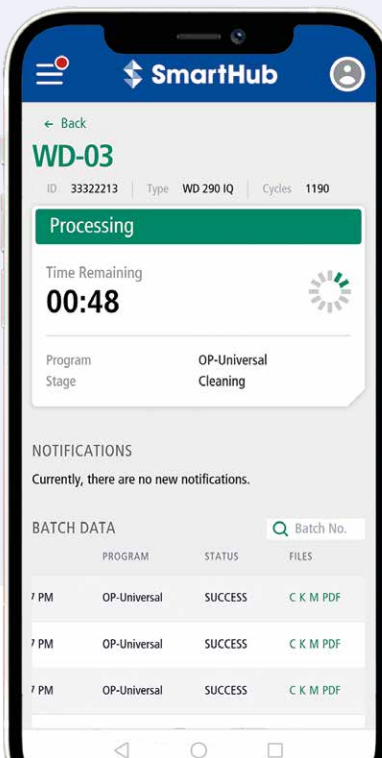
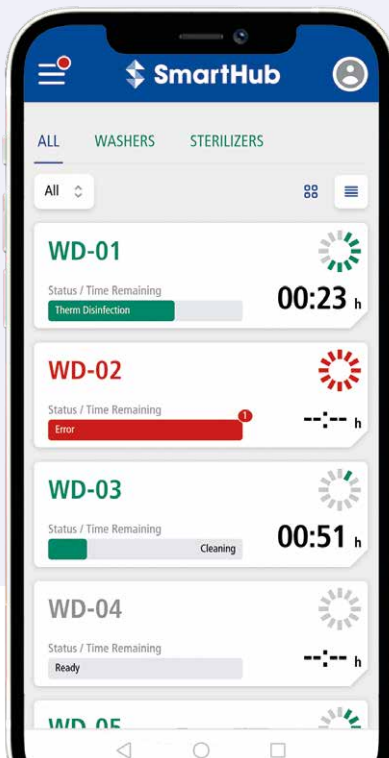
1. Simple transparency for your CSSD with machine statuses for washers and sterilizers available in real time.



2. Stay up to date with your batch documentation and machine notifications anytime, anywhere.



3. Ensure your team is always up to date and fully trained on the machine to ensure smooth operation.





SmartHub Connect offers simple transparency and displays the most important details of your Belimed machines at a glance. Some examples of this improved visibility include:

- Local dashboard with all machines in a single view
- Process progress depicted with the famous Belimed sun
- The current stage in the cycle
- The remaining process time so you know when to load and unload the machine

#### Compatibility with any Instrument Tracking System (ITS)

SmartHub helps to report the successful completion of a wash and sterilization cycle by delivering highly configurable batch files that are proven to work with the most common Instrument Tracking Systems on the market.

#### Convenience all round

A PDF file containing batch information is generated after each wash and sterilization cycle. This is very valuable even if an ITS is not used. Archive or print the PDF on a standard printer, whichever is most convenient for you.

#### How it works

SmartHub operates as a data turntable that is used for:

- Receiving machine and cycle data from connected devices
- Temporarily storing data within a database
- Transforming data into the required format (C,M,K files as a CSV file)
- Paperless storage and retrieval of reprocessing documentation
- Exporting data to a file system on a local server
- Enabling a CSSD to become digital

The cycle documentation can be shown either as a PDF, which can be printed for physical archiving, or transferred as data to any ITS for the electronic documentation and archiving of cycle release data.

Printed cycle PDF documents can be accessed using a desktop computer connected to the network. This allows CSSD staff to open the PDF files containing the cycle documentation and print them out on any printer on their network.



SmartHub offers:

- Data transparency in real time via downloadable CSV files
- Real-time status of washer and sterilization cycles, allowing forward planning and the optimization of loading and use of equipment

The additional dashboard provides full transparency for all machines, displaying details such as the current program status, remaining time and any error messages.

Everything is running as it should. The switch to the new SmartHub software went smoothly, and our employees didn't even notice, which is exactly as it should be.

Frank Hintermaier,  
General Manager MPAT, Austria

# Cybersecurity

As CSSDs are part of a critical infrastructure, cybersecurity is Belimed's utmost priority.

Belimed has developed the Connect software products, inspired by IEC 82304-1 (health software) standards, and every development stage undergoes in-depth and extensive testing.

Belimed identifies the security capabilities required for appropriate protection based on security level SL-T 2 of IEC 62443-4-2.

Belimed maintains a Quality Management System (QMS), which meets ISO 13485 standards, for additional facility-related information or details, e.g. onsite IT and server needs.

While the Belimed SmartHub software does not process any patient or operator data, it provides the option of encrypting communication within hospitals as well as with the outside world. Personally identifiable operator data in the context of further connectivity services is only processed on the explicit demand of the healthcare provider. As a data processor, Belimed adheres to the GDPR requirements.

## Be part of the future

Belimed develops products using an agile process and introduces them to the market every 16 weeks. Take an active part in the new features of SmartHub Orbit by sending us your feedback.

**Would you like to schedule a live demo?  
Contact your local Belimed representative.**



Visit us at [belimed.com](https://www.belimed.com)



### Switzerland (Headquarters)

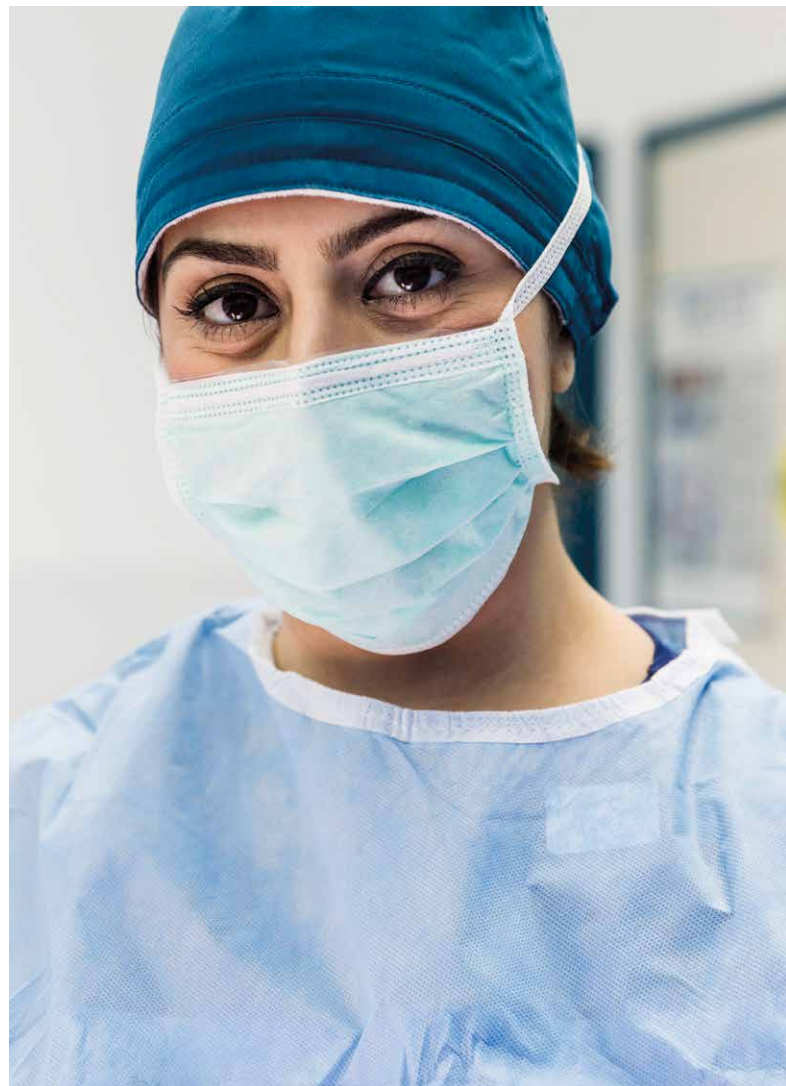
Belimed AG

Grienbachstrasse 11

6300 Zug

+41 41 449 78 88

[info@belimed.com](mailto:info@belimed.com)



5320.701.053\_2021.10 Subject to changes

**Belimed**  
Infection Control

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