

Press release | No. 52e, October 7, 2024

# ESICM LIVES 2024: Dräger and B. Braun are using SDC to create a silent intensive care unit

## Bidirectional data exchange to actively improve treatment

- Noise can be reduced noticeably thanks to the intelligent forwarding of alarms
- Connected ICU workstations enable more efficient workflows

At the European Congress for Intensive Care Medicine ESICM<sup>1</sup> LIVES, the family-owned companies B. Braun and Dräger are setting an example for the digitalisation of intensive care units and improved patient care. They are participating jointly under the motto "Creating the future ICU together". From October 7-9, 2024, the companies will showcase how medical technology from different manufacturers can exchange information. Their simulation demonstrates how an ICU ventilator and an infusion system use the same data pathway with the help of the SDC<sup>2</sup> standard. This enables noisy alarm notifications to be diverted away from patients, for example. Alarms can be retrieved not only on the intensive care unit's central dashboard, but also outside the patient's room on the nurse's mobile device. Since these notifications provide additional therapy-relevant information, staff can be supported in decision-making while on the way to the patient.

"With more and more manufacturers gradually making their medical technology SDC-capable, the IEEE/ISO standard is well on its way to becoming part of everyday acute medical practice. We're pleased to have achieved a further milestone here together with B. Braun. This allows us to reduce the level of noise patients are exposed to, while simultaneously relieving the cognitive burden on staff," explains Michael Wilkening, Vice President of Strategy and Business Development, Medical Division at Dräger.

"New forms of collaboration, open thinking and the exchange of data between systems and devices from different manufacturers at the patient's bedside will be decisive for the future. By collaborating with other companies and ensuring seamless communication and integration, we're paving the way for more comprehensive healthcare solutions, as shown by the 'Silent Intensive Care Unit' initiative, in collaboration with Dräger," says Maria Bürger, Vice President for Automated Infusion EcoSystem Global Marketing at B. Braun.

<sup>1</sup> European Society of Intensive Care Medicine

<sup>2</sup> Service-Oriented Device Connectivity

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#### Reduce complexity through connectivity

SDC-based solutions can support intensive care therapy through bidirectional medical device connectivity. In addition, device management can be made significantly easier with the help of digital applications. Dräger will demonstrate this at their congress stand with the Device Utilisation Analytics (DUA) solution. This software solution allows hospital operators with a continuous overview of their connected Dräger medical devices. Operating status, run and standby times, as well as the currently installed software versions, can be accessed and analysed centrally via a dashboard. This saves biomedical engineers valuable time, as they no longer need to check each device individually

**Legal notice:** The information about the solution at the ESICM LIVES Congress 2024 is partly preliminary. The SDC-based solution is currently under development and is intended for demonstration purposes only.

#### Image material

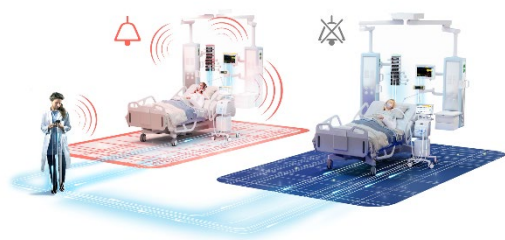


Photo:

The intensive care unit of the future is connected and silent – B. Braun and Dräger are demonstrating an SDC-based solution at ESICM LIVES 2024

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