

Leveraging the Ascom Healthcare Platform for Smarter Alarm Management

Actionable alarms. Confident decisions. Better care.

The Ascom Healthcare Platform integrated with BBraun Space® Pumps and DoseTrac® Enterprise combines medical device integration, intelligent alarm management and clinical surveillance to transform nursing workflows.

Ascom's **vendor neutral approach** gives **BBraun customers** flexibility to make infusion related alerts on-the-go and to keep watch over infusion systems that may otherwise not be monitored. This smart approach gives **near-real-time alerting with context and relevancy**, so nurses can make informed clinical decisions, while reducing the time it takes for caregivers to respond to a patient.

Experience the **workflow benefits** of an Ascom and BBraun integrated solution:

- Integrated ADT functions for seamless patient, device, location and caregiver association
- The Ascom Identity App allows similar association capabilities, absent of EHR integration
- Intelligent alarm management helps minimize alarm fatigue, reducing cognitive burden
- Notifications are timely, actionable and proactive, allowing more focus on direct patient care and staff effectiveness



- Standards-based, configurable rules engine for clinical decision support that provides augmented intelligence with contextual relevancy for more informed decision making
- Integrated staff assignment lets you coordinate and collaborate with your care team

Intelligent middleware is a critical component for improved care delivery and patient outcomes

Nurses feel the real impacts of technology, tools and processes not working together. From cognitive overload to alarm fatigue. From missed alerts to delayed patient response. From medical errors to adverse patient events. Integration, orchestration and enablement are the keys to optimizing clinical workflows.



Integrate: Connecting care devices and clinical information systems to help clinicians unlock valuable care information.



Orchestrate: Filtering, prioritizing and extending the flow of information to clinicians for responsive, informed decisions.



Enable: Structured data to add context that enhances timely care coordination and communication across mobile teams, to address patient needs.



350 alarms/patient

<https://pmc.ncbi.nlm.nih.gov/articles/PMC3928208/>



Estimated that greater than 80% of alarms in the clinical areas are non-actionable

<https://pubmed.ncbi.nlm.nih.gov/28432853/>



771 ICU alarms/patient

<https://pmc.ncbi.nlm.nih.gov/articles/PMC3928208/>



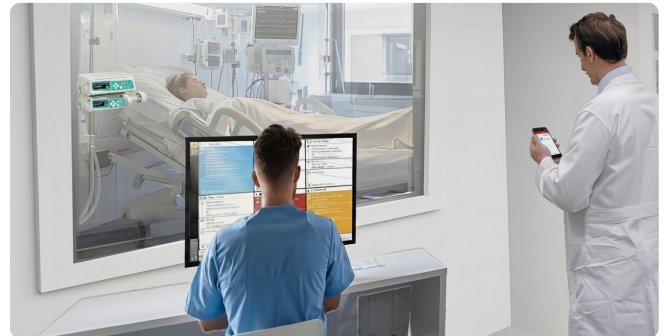
Communication failures were implicated at the root of over 70 percent of sentinel events

<https://www.ncbi.nlm.nih.gov/books/NBK43663/>

Perceptions of Infusion Pump Alarms: Insights Gained from Critical Care Nurse

“...It is encouraging that 85% of the nurses agreed that using unit monitors to visually display pump alarms could potentially be useful in improving alarm recognition and management.

...employing real-time dashboards, alarm prioritization, and patient-specific alarm customization technologies; and educating nurses on specific practices and pump configurations to help reduce unnecessary alarms.”

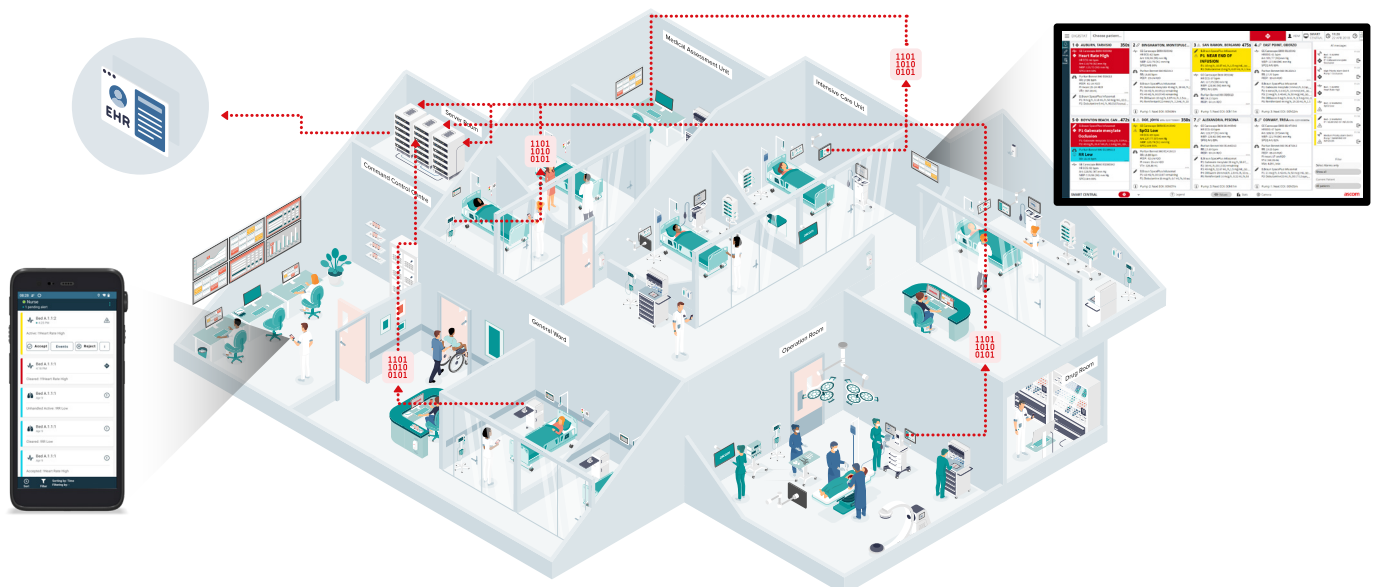


<https://www.bbraunusa.com/en/products-and-partnerships/smart-infusion/smart-infusion-pumps/dosetrac-enterprise-infusion-management-software-and-analysis/evidence-based-outcomes.html#alarm-outcomes>
Go to the Alarms Outcome section to learn more.

BBraun Infusion integrated with the Ascom Healthcare Platform

Ascom worked closely with the Sant Joan de Déu Barcelona Hospital team to integrate its vendor neutral, Clinical Monitoring & Alarm Management Solution across the PICU. Ascom facilitated the local clinical team to categorize actionable and non-actionable medical device alarms for ventilator, infusion pumps and monitors, which means the clinical team would

only have the actionable alarms surfaced to Ascom Myco smartphones and desktop monitors outside the patient’s room. Ascom’s Clinical Monitoring & Alarm Management Solution helped the PICU team better manage alarms, introduce more effective workflows for staff and direct the right alarm to the right person at the right time.





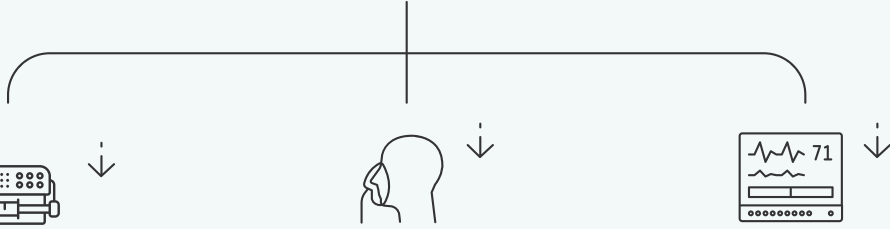
Filtering **non-critical alarms** reduced PICU alerts by **54%** per hour



Integrating Ascom's solution cut **15%** of PICU alarm response times by **6 seconds**



Ascom's alarm filtering reduced **primary device alarms** by **76%**



Reduced syringe pump alarms **by 97%**

Reduced ventilator alerts **by 83%**

Reduced patient monitor alarms **by 65%**

<https://www.ascom.com/north-america/customer-stories/sant-joan-de-deu-barcelona-teaching-hospital/>

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About Ascom

Our vision is a world where the right information moves people forward. Our mission is to put the right information in the right hands at the right time so that people can make the best possible decisions. We are a global provider of communication and collaboration solutions for the acute care, long-term care and enterprise sectors. Our solutions are based on intelligent integrations with software and hardware that are open source and compatible with third party solutions. Every single second, our systems generate large amounts of data, which we then turn into useful and actionable information. This helps us to bring data to life for people in the toughest operational environments, ensuring smooth, complete, and efficient workflows.

Ascom is headquartered in Baar (Switzerland), has operating businesses in 19 countries and employs around 1,400 people worldwide. Ascom registered shares (ASCN) are listed on the SIX Swiss Exchange in Zurich.