

Ascom clinical monitoring and alarm management solution for acute care

It's all about better outcomes





The Ascom clinical monitoring and alarm management solution (CMAMS) meets two urgent needs in modern healthcare: monitoring of isolated or ‘invisible’ patients; the efficient and secure management of clinical alerts. No matter their location, caregivers receive fall and/or clinical alerts, and can view near-real time data on their handsets, PCs or wall-mounted dashboards. The Ascom clinical monitoring and alarm management solution—it’s all about better outcomes.

Key benefits

The solution offers numerous benefits to patients and clinicians:

- Monitoring and fast responses can help reduce falls and mitigate their impact³
- Enables thorough patient assessment with near-real time clinical data during rounding
- The distributed alarm system offered by CMAMS can help reduce response times to critical patient events⁴
- Caregivers—irrespective of their location in the facility—can access clinical data without walking to nurse stations or stationary displays
- Dashboards give an overview of data and events for situational awareness. Resulting in clear visibility of all patients at any time
- Enables statistical reporting for data analytics and workflow optimization

Up to 80% of falls occur when patients are not being monitored.¹

Dedicated care for infectious patients in single patient rooms can cost an extra \$158.90 per day. It also carries an occupational risk to healthcare workers of exposure to contagious patients.²

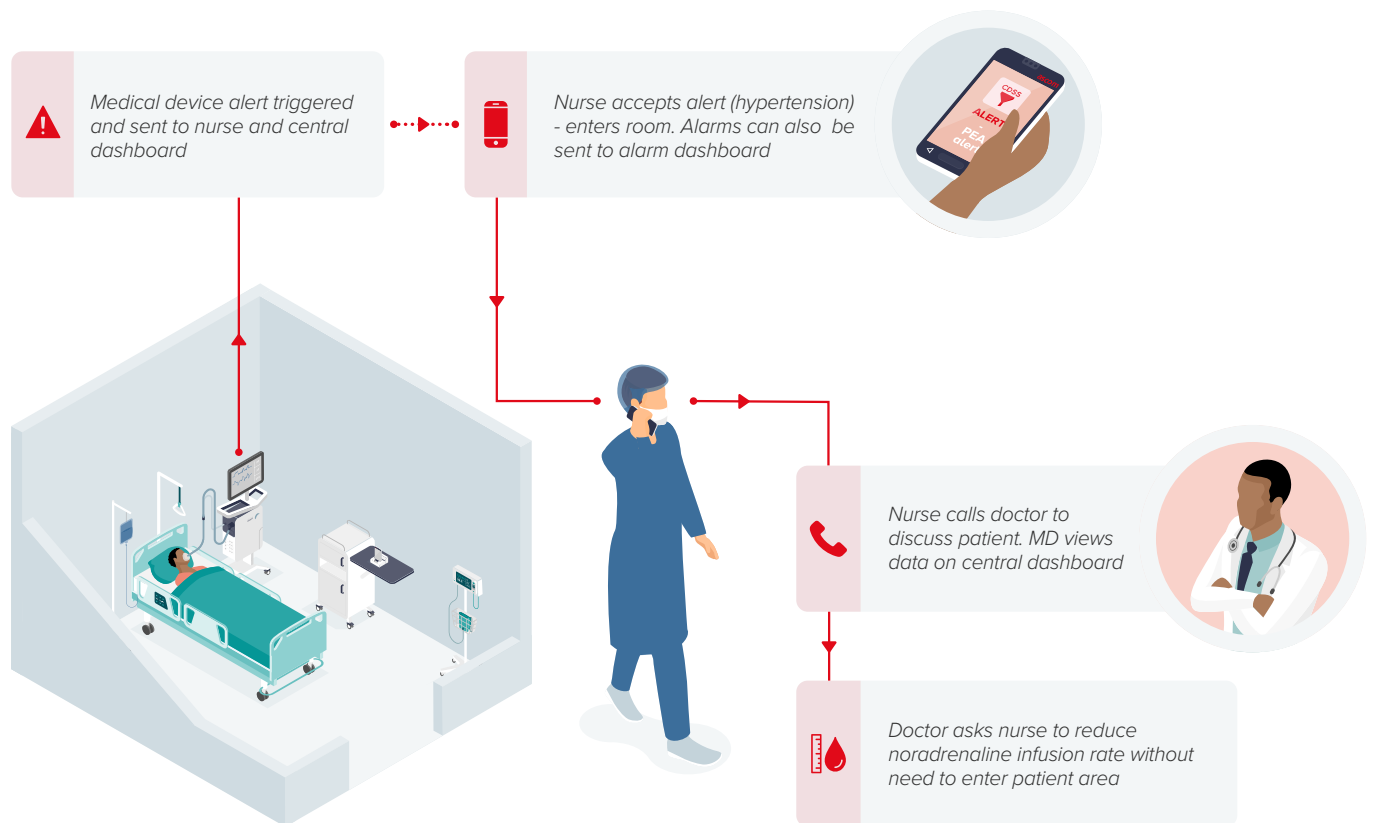
Always interoperable. Always on your terms

Each Ascom clinical monitoring and alarm management solution is unique—tailored to a specific site. But whatever your hospital's needs, we ensure the solution is interoperable with existing and/or planned communication systems and infrastructure.

Solution components

The solution typically includes modules from our software suite, as well as enterprise-grade handsets that include everything from the Android Enterprise Recommended** Myco 3 smartphone to a wide range of DECT and VoWiFi phones and pagers. The solution is of course interoperable with other third-party devices and products.

Workflow example



“The Ascom solution has allowed us to make the patients visible to the nurses, no matter where they are in the building.”

Natalie Forrest

Former CEO, Chase Farm Hospital London



Your challenges

- Ageing populations mean increasing numbers of elderly patients, many of whom are at risk of falling
- The spread of single-occupancy patient rooms is decreasing patient visibility, placing more monitoring pressure on already busy staff
- Nurse shortages combined with data siloes and non-interoperable communication systems can compromise patient safety⁵
- A globalized world—with cheap air travel and mobile populations—is increasing the likelihood of pandemics such as COVID-19. Staff need technical tools to help them safely monitor and assess infectious patients
- Treating infectious patients is expensive. A patient's infectious status can add an extra USD 160 per patient day in precaution costs

Features and benefits

- Proven and deployed at facilities worldwide
- Fully open and interoperable with a large number of medical devices and healthcare communication systems on the market
- A uniquely end-to-end solution. Includes everything from initial assessment with Ascom Clinical Consultants to tailored Solution Lifecycle Plans and worldwide training
- Easily scalable thanks to micro-service architecture based on Microsoft Windows®. The solution is equally at home in small specialist clinics or in multi-site healthcare systems
- Reliable alarm notification distribution with supervision from source to responder. Ensures alarms are never lost in the system and quickly detect faults

*Android is a registered trademark of Google PLC.
Microsoft Windows® is a registered trademark of Microsoft Corporation.

¹ Mikos, Marcin; Banas, Tomasz; Czerw, Aleksandra; Banas, Bartłomiej; Strzypek, Łukasz; Curyło, Mateusz. "Hospital Inpatient Falls across Clinical Departments". *International Journal of Environmental Research and Public Health*, 2021-08-02, Vol. 18 (15), p. 8167.

² Sepkowitz, Kent A; Eisenberg, Leon." Occupational Deaths Among Healthcare Workers". *Emerging Infectious Diseases*, 2005-07, Vol. 11 (7), pp.1003-1100.

³ Seow JP, Chua TL, Aloweni F, Lim SH, Ang SY. "Effectiveness of an Integrated three-Mode bed Exit Alarm System in Reducing Inpatient Falls Within an Acute Care Setting". *Japan Journal of Nursing Science*. 2022 Jan; 19(1):e12446. doi: 10.1111/jjns.12446. Epub 2021 Jul 19. PMID: 34286920.

⁴ Enrico Coiera (2015) "Guide to Health Informatics", CRC Press, Boca Raton, Fla.

⁵ Machon, Michelle; Knighten, Mary Lynne; Sohal, Janet. "Improving Clinical Communication and Collaboration Through Technology: A Benefits Analysis for Nurse Leaders". *Nurse Leader*, 2020-10-01, Vol.18 (5), p.481.



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About Ascom

Ascom is a global solutions provider focused on healthcare ICT and mobile workflow solutions. The vision of Ascom is to close digital information gaps allowing for the best possible decisions – anytime and anywhere. Ascom's mission is to provide mission-critical, near-real time solutions for highly mobile, ad hoc, and time-sensitive environments. Ascom uses its unique product and solutions portfolio and software architecture capabilities to devise integration and mobilization solutions that provide truly smooth, complete, and efficient workflows for healthcare as well as for industry and retail sectors.

Ascom is headquartered in Baar (Switzerland), has operating businesses in 18 countries and employs around 1,300 people worldwide. Ascom registered shares (ASCN) are listed on the SIX Swiss Exchange in Zurich.