

Human Bytes and QUMEA Partner to Bring Radar-Based Mobility Monitoring to Danish Healthcare

Copenhagen, March 7, 2025 – Human Bytes has entered a strategic partnership with QUMEA to introduce cutting-edge radar-based digital mobility monitoring for elderly care facilities and hospitals in Denmark. QUMEA’s advanced 3D radar with industry leading AI technology, is already widely adopted across Europe, revolutionizes patient mobility monitoring, while ensuring full privacy and GDPR compliance. Unlike computer-vision based systems, QUMEA’s solution detects by design no personal data at source level with a highly precise radar sensor solution, offering a groundbreaking approach to patient safety, privacy and workload reduction.

Addressing a Growing Challenge in Healthcare

The Nordic healthcare sector faces a rising number of adverse events. In Denmark alone, over 400,000 incidents were reported last year, with more than 6,000 classified as severe or fatal. Continuous in-room patient monitoring could allow for timely intervention and prevent or earlier detect, many of these incidents.

Beyond the human impact, the economic cost is substantial. For example, the average cost of a hip fracture is about €35,000, while the treatment of a pressure ulcer is around €20,000 in healthcare expenses.

“At QUMEA, we are on a mission—a mission to transform patient safety, improve staff workload, and provide peace of mind for caregivers, patients, and families, all while maintaining full privacy,” says Cyrill Gyger, CEO of QUMEA. “We are excited to partner with Human Bytes, a company that has successfully scaled AI and advanced technology across the Nordic healthcare sector.”

Smart Technology to Support Healthcare Staff

With healthcare staff shortages worsening, particularly as single-patient rooms become more common, technology must play a critical role in supporting care teams. QUMEA measures human movement in the patient room continuously and without contact. Based on this movement data, the industry-leading AI recognizes potentially dangerous situations and informs nursing staff when patients need help – depending on the individual monitoring scenario they define for each patient and room.



QUMEA recognizes and informs 24/7 about:

- Fall detection & prevention
- Support in pressure ulcer prevention measures (MDR Class I)
- In-room & out-of-room tracking
- Bathroom absence alerts
- Activity & and restlessness analytics

“QUMEA is the perfect addition to our patient monitoring portfolio, delivering a step-change in patient safety, privacy and workload reduction,” says Ulrik Therkildsen, CEO of Human Bytes. “It’s a cost-effective and privacy-friendly solution that empowers caregivers without compromising patient dignity and privacy. We are especially excited to see their pipeline for future features and indications, which can only be accomplished with the granularity offered by radar technology”

Proven Results Across Europe

QUMEA’s radar-based monitoring system is already deployed in over 120 hospitals across 10+ countries, achieving a 74% reduction in falls and significantly easing workload.

The system adapts to individual patient needs, sending alerts directly to existing nurse call systems or through QUMEA’s intuitive user interface. The system is among the few that have demonstrated scientific efficacy in a controlled cohort study.

With this partnership, Human Bytes and QUMEA are bringing smarter, safer, and more efficient digital mobility monitoring for patient safety to the Nordic healthcare sector - enhancing patient outcomes while easing the burden on healthcare professionals.

About QUMEA

QUMEA is the market leader in digital mobility monitoring in patient rooms. QUMEA combines 3D radar with industry-leading artificial intelligence (AI) to provide the most comprehensive mobility monitoring for hospitals and care facilities. The solution is 100% anonymous – to protect the dignity of patients and staff. More than 120 leading institutions already trust QUMEA’s solution. QUMEA operates from Solothurn (CH), Stockholm (SW), and Mannheim (DE) and has a team of forty experts. Read more at: www.qumea.com

About Human Bytes

Human Bytes ApS, based in Copenhagen, is committed to integrating artificial intelligence and advanced clinical software into the Nordic healthcare sector. By partnering with leading AI developers, Human Bytes aims to unlock AI’s full socio-economic potential in healthcare. Read more at: www.humanbytes.ai

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