

Making the invisible **visible.**

ThoughtWire is changing the way health organization executives, doctors, and staff manage and experience outcomes of patients.

Hospitals are under enormous pressure to operate more cost effectively and efficiently, with the ultimate goal of increased patient satisfaction and better outcomes. IoT is being touted as the answer, but alone it is only half of the solution. Without a people-driven approach, disparate systems cannot effectively “talk to each other” and cannot be used to their full potential to unlock savings and realize value.

ThoughtWire’s Smart Hospital suite of applications helps healthcare organizations empower their staff, improve patient outcomes, increase operational efficiency, and reduce costly errors. Nerve Center empowers real-time orchestration of people, systems, and things to unlock the true growth potential of IoT.

Applications powered by a smart hospital digital twin

- All your disparate data in context
- Intelligent information overlay that orchestrates data from people, process and connected things
- Manage patient flow with enhanced situational awareness of resources available or equipment, location, and status

Gain full command and control of operations

- Break data siloes for end-to-end visibility of hospital operations
- Collect real-time vitals either automatically or through the mobile app
- Calculate Early Warning Scores (EWS)
- Respond faster to critical alerts and events and take immediate action

Empower your staff and create better patient experience

- Reduce wait times through full visibility and transparency of operations including real-time bed status
- Faster patient transports, optimized flow, lower wait times, and increased bed utilization.



Why use ThoughtWire’s Smart Hospital Suite?

- Save lives by preventing high acuity events
- Improve operational response by alerting the right staff at the right time
- Improve space and asset utilization through real-time tracking and data monitoring
- Lower wait times

“Failure to recognize patient deterioration is a significant issue for acute care hospitals. The use of early warning scores that track abnormal vital signs is a strategy to recognize the unwell patient. In collaboration with ThoughtWire, our hospital has harnessed the power of our electronic health record to alert health care professionals in a timely manner. This has led to reduced cardiac arrests and unplanned intensive care unit admissions.”

– Alison Fox-Robichaud, BSc, MSc, MD, FRCPC (Int Med, Crit Care) and Director of Medical Education, Project Lead HEWS, Hamilton Health Sciences

ThoughtWire's Smart Hospital suite is deployed on Microsoft Azure to address the critical clinical workflow driving today's smart hospitals.

Make healthcare organizations smarter by optimizing operations and enhancing the occupant experience

- With RapidResponse, EarlyWarning, and SynchronizedOps, healthcare organizations were able to see their disparate data in one place and in context – helping them make decisions faster, triage alarms/codes and events and provide greater control of their environment
- Reduce code blue calls, improve operational efficiency, increase patient satisfaction, reduce wait times and alarm fatigue, and ultimately provide better healthcare delivery

A solution that leverages the scalability and security of Microsoft Azure IoT cloud

- ThoughtWire's Smart Hospital Suite leverages Azure's highly available cloud infrastructure for reliability, scalability, security and privacy of our solutions
- By leveraging our Azure hosted applications our customers can realize the business value of our applications without heavy investment in infrastructure and operations

Tangible benefits

- Providing pre-emptive care for patients in critical high acuity states is possible. That means code blues are significantly reduced or eliminated. So far, we've reduced code blues by 61%
- Enable a faster response to code events, wandering patients, or infant abduction with automated procedures for security lockdown
- Allow for real-time mobile communication and collaboration between doctors, nurses, and ER teams

Smart Hospital Suite

Nerve Center The single hub and launchpad for all systems in a hospital, orchestrating real-time and historical data to improve patient flow, patient health and hospital health

Patient & Equipment Transport A direct integration with ThoughtWire's Nerve Center, Patient & Equipment Transport streamlines workflow activities through better orchestration of resources

Housekeeping A direct integration with ThoughtWire's Nerve Center, Housekeeping enables environmental cleaning services to stay informed, take action, and send notifications on mobile devices



Delivering better outcomes for patients through context-rich data visibility and closed-loop process control

Why Thoughtwire?

ThoughtWire is fundamentally changing the way we think about built environments including commercial buildings and hospitals. Since 2009, ThoughtWire has been changing how we think about intelligent automation and process optimization. Today, ThoughtWire's innovative applications empower built environments to connect previously unconnected systems, unlock high-value outcomes for patients and tenants, and put people in control of process change and optimization.