



ThoughtWire and Schneider Electric Powered Digital Hospital

ThoughtWire and Schneider Electric Powered Digital Hospital – bridging the gap between core clinical operations and facility infrastructure services

Challenges

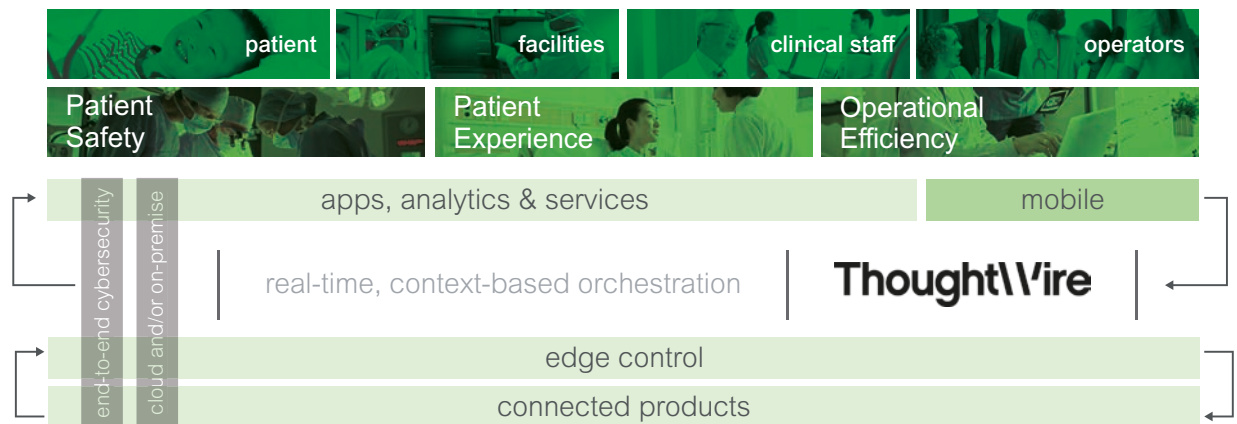
Hospitals are complex environments in both their structure and function. An optimally designed hospital needs to accommodate the use of sophisticated equipment, allow for rapid responses to emergencies, as well as provide peaceful spaces for patients to heal and clinical staff to work. The mechanical and physical infrastructure of the hospital should support these functions through thoughtful design that includes built-in protection against human errors and infrastructure failures that lead to adverse patient events.

This built-in protection comes in the form of an intelligent, integrated platform that can help save patients' lives and hospitals millions of dollars.

Benefits

- Quicker responses to patient and facility alerts by providing the right information to the right person to make the best decision
- Automating processes to improve operations by leveraging technology and workflows
- Greater visibility into the usage and performance of the total healthcare operations across facility and caregivers
- More optimally built environment for staff and patients

EcoStruxure™ Architecture with ThoughtWire



Solution

The joint ThoughtWire and Schneider Electric solution connects non-core services of building infrastructure with the clinical process of healthcare delivery, providing deeper insight into the environment of care. ThoughtWire's platform orchestrates data from the built environment such as electrical, HVAC and security with clinical information to create a safer, more comfortable experience for patients while also helping reduce energy spend. By bringing together data from a variety of sources, ThoughtWire's platform is able to create a digital twin of the building and its operations. This context-rich model enables smart workflows that connect the right people with the data they need to drive better outcomes.

By helping clinicians and hospital staff react more efficiently moving eventually to a more predictive model of both care and operations. Schneider Electric's advanced analytics improve infrastructure resilience and reliability of the building, while ThoughtWire's applications predict and prevent critical clinical events. Together, they ensure critical non-core alerts are provided to the right people, clinical and facilities, patients are kept safe and avoidable adverse events are mitigated. The integrated solution provides:

Patient safety

- Schneider Electric's Advisor helps avoid adverse events with advanced analytics of critical infrastructure equipment. Avoid a power failure caused by faulty equipment, which has a great impact on clinical services,

by using EcoStruxure analytics and services combined with Thoughtwire's digital twin

Patient experience

- Patients can take control of their environment with ThoughtWire's suite of mobile applications and connecting to the built environment through Schneider Electric's BMS. By putting control of the lighting, temperature, shades and other room systems in the hands of the patient, a better experience is achieved as well as reducing non-clinical requests to caregivers.
- Orchestrate data from clinical systems, building systems, IoT devices and other sources to give a complete real-time view of operations. Use information from connected devices and assets like tagged stretchers and wheelchairs or building elevators to streamline workflows and move patients through the hospital more efficiently. Manage wait times and schedules better by increasing throughput without sacrificing quality.

Operational Efficiency

- Drives faster response to time-sensitive critical events, both clinical and facility, for improved safety and security of patients and hospital staff
- Integrate with the facility, security and health information systems to provide contextual information to people who need to know
- Connected critical alerts from building services helps streamline facility operations and notify clinical staff of any environmental issues that impact their safety and patients.
- Location-based notifications to the right staff enables them to lock down doors with just one click of their mobile devices.

- Energy and sustainability can be monitored and optimized through Schneider Electric's suite of energy efficient solutions. Energy savings achieved through procurement and sustainability programs help operating budgets. By connecting ThoughtWire and Schneider Electric energy and sustainability solutions, the building can now model against real time usage to help forecast and predict energy cost and performance. Knowing the flow of patients through a facility allows real time optimization of energy usage of HVAC and other building services.



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In our global Ecosystem, we collaborate with the largest Partner, Integrator and Developer Community on our Open Platform to deliver real-time control and operational efficiency.

We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment.

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ThoughtWire is on a mission to bring the built environment to life. By orchestrating data from people, process, and the physical built environment ThoughtWire's built environment Digital Twin delivers smarter, safer and more efficient hospitals, commercial buildings, and cities. Connect and follow us to learn more.

For more information visit us, www.thoughtwire.com.

Contact your Schneider Electric representative for more information.

Schneider Electric
Andover R&D Center, 800 Federal Street
Andover, MA
schneider-electric.com

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