



# Transforming Healthcare Environments to Build a Better Tomorrow

**Comprehensive facility programs that improve building performance, boost efficiency, and increase resilience to support uninterrupted patient-centered comfort.**

Trane delivers comprehensive building and infrastructure solutions trusted across healthcare environments, driving measurable, high-impact results. Backed by decades of accredited healthcare experience, we help organizations achieve reliable, validated performance through innovative and proven approaches that support facility operations.



Our approach is collaborative by design

## Delivering Measurable Results for Your Healthcare Facilities

Through energy efficiency upgrades, HVAC system modernization, intelligent building automation, expanded renewable energy options, and flexible funding pathways, we help you cut emissions, reduce operating costs, and enhance resilience in ways that support your budget and organizational priorities.

We begin by listening, understanding your goals, challenges, and constraints. Then we bring together our expertise in energy, sustainability, technology, funding, and regulatory strategies to develop tailored solutions aligned with your mission and built to support your long-term success.

### Accredited. Proven. Trusted.

- ✓ NAESCO Energy Services Provider
- ✓ U.S. Department of Energy Qualified Energy Service Company

Our accreditations reflect a longstanding commitment to performance, reliability, and improved facility operations — strengthened by decades of innovation and proven outcomes.

## Integrated Solutions for Healthcare Facilities

As a full-service solutions provider, Trane offers purpose-built solutions that support patient comfort, help to meet regulatory requirements, clinical continuity, and the long-term health of your facilities.



### High Efficiency HVAC & Decarbonization

Improve patient comfort and reduce operational costs while advancing decarbonization goals. We support long-term planning through electrification, renewable integration, and high-efficiency building upgrades.



### Renewable, Resilient, & Distributed Energy Solutions

Strengthen continuity of care with energy strategies that enhance resilience and reduce grid reliance. We help facilities integrate renewables, onsite generation, microgrids, and energy storage to support critical loads.



### Strategic Planning & Advisory Support

Make informed, compliant decisions across complex healthcare operations. We help clarify priorities, streamline capital planning, and navigate regulatory, procurement, and facility planning challenges.



### Funding & Incentives Guidance

Advance modernization goals without straining budgets. We help organizations leverage performance-based contracting, grants, incentives, and flexible financing to support capital planning.



### Modernization & Infrastructure Improvements

Strengthen facility resilience with modernization strategies tailored to healthcare environments. Improve reliability and extend asset life through targeted infrastructure upgrades, HVAC retrofits, and electrification projects.



### Community, Workforce, & Educational Collaborations

Programs expanding workforce development, education, and career readiness create pathways to a more sustainable healthcare workforce. These efforts deepen community relationships and generate lasting benefits for patients, families, and employees.



### Building Automation, AI Optimization, & Intelligent Services

Increase visibility across critical systems with smart controls and AI-enabled optimization. Gain actionable insights and support patient comfort through automated building management and connected services.

## What This Means for Your Healthcare Organization

### Financial Stability & Predictable Operating Costs

- ✓ **More control** over long-term expenses
- ✓ **Protection** from energy volatility
- ✓ **Capital unlocked** to reinvest in core priorities

### Clear Progress Toward Sustainability Commitments

- ✓ **Achievable strategies** to help meet emissions reduction and environmental goals
- ✓ **Stronger alignment** with regulatory and stakeholder expectations
- ✓ **More credible** reporting

### Greater Resilience & Reduced Risk

- ✓ **Fewer disruptions** in day-to-day operations
- ✓ **Higher reliability** across critical buildings and infrastructure
- ✓ **Reduced vulnerability** to aging assets and grid instability

### More Informed, Confident Strategic Decisions

- ✓ **Clearer prioritization** of capital and operational initiatives
- ✓ **Stronger** long-term planning
- ✓ **Reduced uncertainty** in complex regulatory or financial landscapes

### Strengthened Brand, Community, & Stakeholder Impact

- ✓ **Expanded local engagement** and education opportunities
- ✓ **Pathways that build** future workforce capability and capacity
- ✓ **Enhanced reputation** and visible leadership in community stewardship



**Hospitals are one of the most energy-intensive commercial building types, using more than three times the energy per square foot compared to a typical office building — with round-the-clock operations, complex HVAC demands, and aging infrastructure creating significant opportunity for modernization and cost reduction.<sup>1</sup>**

<sup>1</sup> U.S. Department of Energy, Better Buildings Initiative, [CHP for Hospitals: Market Sector Fact Sheet](#)

## Collaboration in Action

See how three healthcare organizations turned challenges into measurable impact.



### Munson Medical Center

A 442-bed regional hospital modernizing its energy infrastructure to strengthen resilience and help reduce operating costs while maintaining uninterrupted patient comfort.

#### FINANCIAL IMPACT

**50% Reduction in electricity costs**

**\$70,000 in monthly savings**

Project IRR above 20% supported by nearly \$1M in IRA incentives

#### SUSTAINABILITY IMPACT

**28% Reduction**

in carbon emissions through high-efficiency onsite generation and thermal energy recovery

#### PATIENT & STAFF EXPERIENCE

- Reliable, uninterrupted power and thermal comfort across the 1M sq. ft. campus
- **Seamless installation** with no impact on clinical operations

#### DELIVERED THROUGH

**High-efficiency combined heat and power (CHP) system** integrated with Trane® Ensemble® automation, providing full-campus power, steam, and hot water with improved resilience during outages



### Greenwood County Hospital

A rural community hospital modernizing aging infrastructure to improve comfort, reliability, and operational resilience while operating on limited financial resources.

#### FINANCIAL IMPACT

**\$800 Per month reduction in electricity costs**

- Secured a sales tax revenue bond and **\$336,000 in IRA tax credits** to enable affordability
- **Reduced emergency repairs** and maintenance expenses

#### SUSTAINABILITY IMPACT

High-efficiency boilers, upgraded chillers with thermal energy storage, LED lighting, and optimized controls significantly **reduced energy waste** and prepared the facility for a future four-pipe system

#### PATIENT & STAFF EXPERIENCE

- Stable temperatures, improved comfort, and elimination of frequent HVAC complaints
- **Changeover time improved** from 4 days to under 24 hours

#### DELIVERED THROUGH

**A multiphase modernization** including high-efficiency chillers and boilers, thermal energy storage, glycol system enhancements, LED lighting, updated hydronic systems, and integrated advanced controls

## Collaboration in Action



### Children's of Alabama

One of the nation's leading pediatric hospitals is enhancing building intelligence to improve system reliability, reduce energy use, and support highly sensitive clinical environments.

#### FINANCIAL IMPACT

**17.9%** Reduction in total energy use

- Annual savings of **\$0.49 per sq. ft.**
- **Projected \$72,062 positive cash** flow by year five

#### SUSTAINABILITY IMPACT

Smart scheduling, demand-based temperature resets, and predictive analytics advance long-term goals — including progress toward a **25% energy reduction**

#### PATIENT & STAFF EXPERIENCE

- **Zero** HVAC-related downtime
- **93% reduction** in false alarms
- **Improved operational focus** with fewer staff disruptions and proactive issue detection (e.g., early identification of chiller issues)

#### DELIVERED THROUGH

**Intelligent Services** with predictive analytics, Tracer® SC controls, enhanced network infrastructure, cybersecurity validation, continuous monitoring, and ongoing optimization by Trane's expert team

Our end-to-end capabilities simplify your healthcare facility journey, guiding you from strategic planning through implementation and long-term improvement. With tailored solutions that modernize, enhance, and decarbonize clinical and support spaces, we help you align diverse operational, regulatory, and patient comfort into one clear path forward — driving measurable results for your mission and the communities you serve.

→ **Together, we can unlock your facilities' hidden potential and  
Build a Better Tomorrow.**



For more information, visit [trane.com/healthcare](https://trane.com/healthcare)



All trademarks referenced in this document are the trademarks of their respective owners.

Trane, a brand of Trane Technologies (NYSE: TT), is a global leader in climate solutions for buildings, homes, and industry. Learn more at [trane.com](https://trane.com) or [tranetechnologies.com](https://tranetechnologies.com).