



# Transforming Learning Environments to Build a Better Tomorrow

**Comprehensive facility programs that improve operational performance, increase resilience, and deliver long-term value for your district's community.**

K-12 school districts face rising operating costs, aging infrastructure, increasing energy demands, and competitive enrollment pressures. Trane delivers comprehensive building and infrastructure programs that help K-12 districts achieve measurable, mission-aligned results. Backed by decades of accredited industry experience, we support schools in achieving reliable, validated outcomes through innovative and proven approaches.



Our approach is collaborative by design

## Delivering Measurable Results for Your Learning Environments

Through energy efficiency and decarbonization strategies, HVAC modernization, intelligent building automation, renewable energy solutions, and flexible funding pathways, we help you cut emissions, reduce operating costs, and enhance resilience in ways that support educational priorities and budget realities.

Our holistic, student-centered approach begins with listening, understanding your district's goals, challenges, and constraints. Then we bring together our expertise in energy, sustainability, technology, funding, and regulatory strategy to develop tailored solutions aligned with your mission and priorities.

### 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 K-12 School Districts

As a full-service building and infrastructure solutions provider, Trane offers purpose-built programs that help accelerate environmental progress, strengthen operational resilience, and elevate the performance of your buildings.



### High Efficiency HVAC & Decarbonization

Enhance learning environments while lowering costs and supporting sustainability goals through electrification, renewable integration, and demand management upgrades.



### Indoor Air Quality

Solutions that improve indoor air quality and comfort across classrooms, gyms, cafeterias, arts spaces, and administrative areas.



### Strategic Planning & Advisory Support

Clarify priorities, streamline capital planning, and reduce risk through expert guidance on regulatory compliance, procurement, utility or grid-related opportunities, and long-range infrastructure strategy.



### Renewable, Resilient, & Distributed Energy Solutions

Boost energy and operational resilience through renewable integration, onsite generation, microgrid capabilities, and energy storage solutions.



### Modernization & Infrastructure Improvements

Improve reliability, reduce operating costs, and extend facility life through building upgrades, HVAC optimization and retrofits, and electrification strategies.



### Funding & Incentives Guidance

Accelerate facility improvements while protecting budgets by helping to navigate grants, tax and utility incentives, and flexible financing pathways.



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

Gain real-time visibility and actionable insights with smart controls, connected and AI-enabled services, and automated building management.



### Community, Workforce, & Educational Collaborations

Expand student opportunities and strengthen community impact through workforce development, STEM programs, and hands-on learning that inspire future careers and support long-term success.

## What This Means for Your School District

### Enhanced Classroom Conditions

- ✓ **Learning environments** that support focus and comfort
- ✓ **Fewer disruptions** from temperature, noise, or air quality issues
- ✓ **Reliable** and consistent conditions

### Strategic Decision Confidence

- ✓ **Clear, mission-aligned** facility priorities
- ✓ **Better alignment** with safety, compliance, and long-range goals
- ✓ **Improved justification** and communication for investments

### Cost Savings and Operational Efficiency

- ✓ **Reduced energy use** and utility costs
- ✓ **Lowered maintenance** and operational expenses
- ✓ **Ability to reinvest savings** into other academic priorities

### Modernized, Resilient School Infrastructure

- ✓ **Extended** facility and equipment life
- ✓ **Reduced downtime** and improved reliability
- ✓ **Greater adaptability** for evolving campus needs

### District Sustainability & Community Leadership

- ✓ **Lower** greenhouse gas emissions
- ✓ **Support** for district-wide sustainability commitments
- ✓ **Demonstrated leadership** in responsible stewardship of public resources

### Funding Optimization

- ✓ **Better alignment** with grants, rebates, and incentives
- ✓ **Potential for budget-neutral** or positive financial outcomes
- ✓ **Freed capital** for additional district investments

### Pathways for STEM Learning & Workforce Development

- ✓ **Real-world** experiential learning opportunities
- ✓ **Enriched STEM curriculum** and industry certifications
- ✓ **Opportunities for students** to explore high-demand, future-ready careers



**K-12 school districts spend nearly \$8 billion annually on energy costs, the second largest expense after teacher salaries and with an estimated \$270 billion needed for infrastructure repairs, the opportunity to modernize and reduce costs has never been greater.<sup>1</sup>**

<sup>1</sup> U.S. Department of Energy, [Better Buildings Initiative](#)

## Collaboration in Action



### North Shore District 112

#### Illinois

Facing aging infrastructure and the responsibility to steward taxpayer dollars wisely, North Shore School District 112 sought a long-term solution that aligned with its mission to inspire students and support future generations. With initial funding secured through a public referendum, district leaders looked to navigate complex sustainability incentives to modernize facilities in a fiscally responsible and environmentally conscious way.

#### FINANCIAL & OPERATIONAL IMPACT

**Saved more than \$3M through incentives and efficient procurement**, with substantial long-term operational savings expected

#### SUSTAINABILITY & RESILIENCE IMPACT

Pioneered the first vertical geothermal system in U.S. K-12, supporting an anticipated **30% reduction in district carbon footprint** and stronger long-term energy resilience

#### LEARNING ENVIRONMENT & COMMUNITY IMPACT

**Improved classroom comfort, air quality, and reliability** while demonstrating environmental leadership that strengthens community confidence

#### DELIVERED THROUGH

Strategic use of incentives, geothermal innovation, and streamlined purchasing via **Trane's OMNIA Partners cooperative purchasing contract**



### Ozark Schools

#### Missouri

In the heart of a growing, close-knit community, the Ozark School District faced mounting challenges in its aging high school, where a decades-old HVAC system caused persistent comfort issues, rising maintenance costs, and functional limitations across key student spaces. With energy already one of its highest expenses, the district needed an innovative solution to modernize facilities without straining limited budgets.

#### FUTURE-READY FACILITIES & INFRASTRUCTURE

Infrastructure improvements that strengthen long-term performance and resilience, delivering **\$98K in annual cost savings**

#### STRATEGIC CLARITY & DECISION CONFIDENCE

Enabled district leaders to prioritize impactful projects with greater certainty, supported by a clear path toward **long-term operational and educational goals**

#### STEM LEARNING & WORKFORCE DEVELOPMENT

Modernized facilities that serve as **real-world learning platforms**, enabling students to explore clean energy, controls, and advanced technologies

#### DELIVERED THROUGH

District-wide modernization including **LED lighting, solar arrays, and intelligent building control systems**

## Collaboration in Action



### Hardin County Schools

#### Kentucky

With Hardin County on the brink of rapid growth driven by a major new EV battery plant, district leaders urgently needed to upgrade aging facilities while preparing for a surge in student enrollment. Facing strained budgets and competing construction priorities, they sought a collaborator who could modernize existing buildings, help reduce energy costs, and expand STEM opportunities to support the community's future workforce.

#### LEARNING ENVIRONMENT & STUDENT IMPACT

**Enhanced comfort and indoor conditions for 15,000 students** and expanded hands-on STEM learning tied to real energy systems

#### SUSTAINABILITY & COMMUNITY LEADERSHIP

Advanced districtwide carbon-reduction goals by **eliminating 900 metric tons of CO<sub>2</sub> per year**, reinforcing environmental leadership

#### FINANCIAL STABILITY & BUDGET HEALTH

**Significantly lower projected energy costs by \$280K per year**, improving long-term budget predictability and enabling reinvestment in student priorities

#### DELIVERED THROUGH

District-wide improvements including **LED lighting, solar installations, and geothermal HVAC**

Our end-to-end capabilities simplify your district's journey, guiding you from strategic planning through implementation and long-term optimization. With tailored solutions that modernize, optimize, and decarbonize school buildings, we help you align educational, operational, and budgetary needs into one clear path forward — driving measurable results for your students, your staff, and your community.

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



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