

▼ E&I MEMBER HIGHER ED RESOURCE GUIDE

Advancing Campus Energy & Infrastructure Strategy

A practical guide to improving facility performance, managing costs, and advancing institutional goals.

Mantis partners with colleges and universities to address deferred maintenance, strengthen energy and facility management strategies, support sustainability objectives, and optimize capital investments across campus portfolios.



E&I Contract Number:
[CR001344](#)



Table of Contents

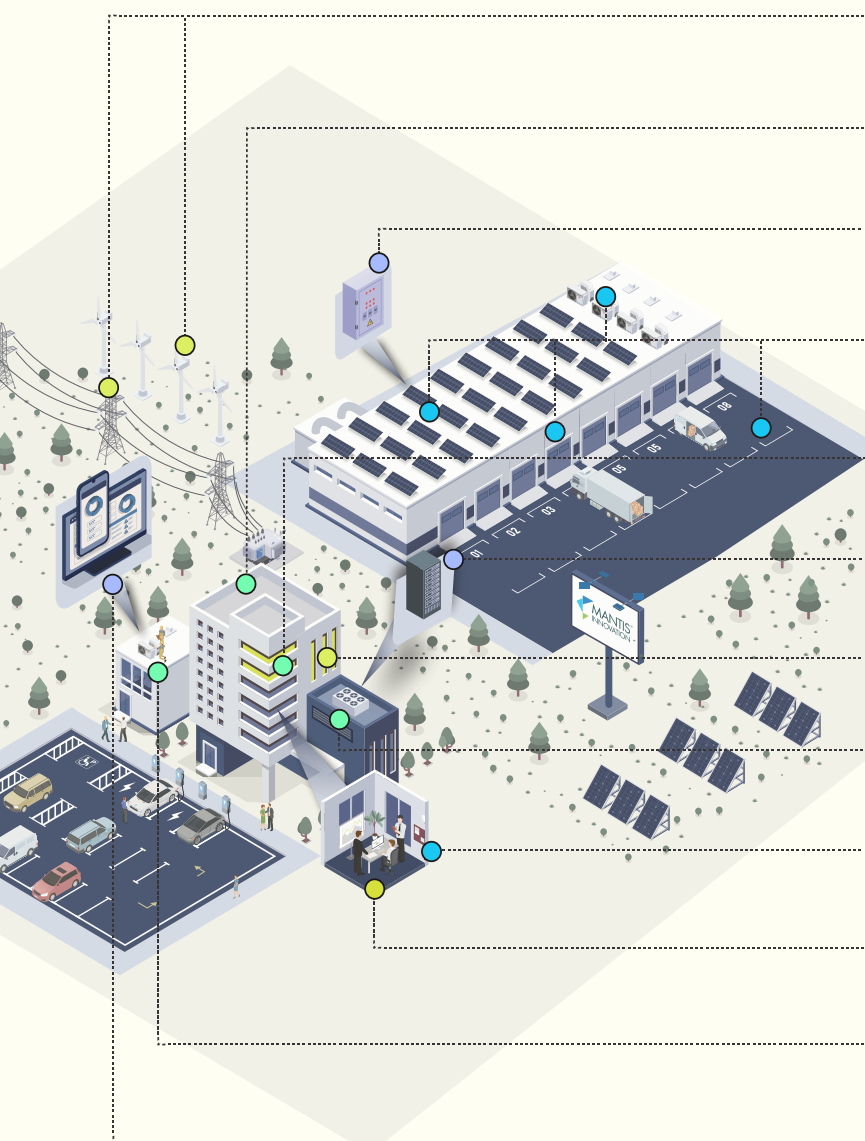
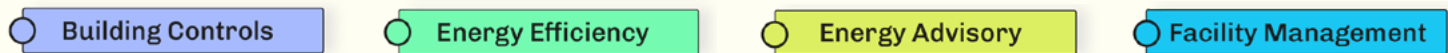
3	<u>About Mantis Innovation</u>
4	<u>The Mantis Process</u>
5	<u>How Mantis Innovation Supports Higher Education</u>
6	<u>Mantis Technology: Connecting Data Across Portfolios</u>
7	<u>Where Mantis Supports Deregulated Energy Markets</u>
8	<u>Available Incentives for Colleges & Universities</u>
9	<u>Is Mantis Right for Your Campus?</u>
9	<u>Next Steps</u>



About Mantis Innovation

Mantis Innovation delivers sustainable building performance through consulting, program management, and project delivery. We bridge gaps between building systems and across portfolios to optimize budgets and manage risk.

Our consultants and analysts show you the most cost-effective path to reducing carbon emissions and managing both financial and climate risk across your portfolio. Our program managers create an implementation plan that makes the most of your available budgets over time. Our energy procurement, project management, and field staff ensure successful project delivery as your unique plan becomes reality.



Energy Procurement

Our Energy Procurement Solutions help businesses secure the best energy rates and integrate renewables through strategic planning and custom solutions.

Leak Response

Our Leak Response program combines vetted contractors, a dedicated call center, and centralized oversight to help minimize leak-related damage.

Electrical Power Monitoring Systems

We design vendor-agnostic EPMS solutions that integrate existing electrical and mechanical systems through a unified monitoring architecture.

Facility Asset Management

We capture data on your most expensive facility assets, then we accurately forecast future repair and replacement needs by leveraging predictive analytics and billions of square feet of historical data.

Lighting & Controls

Execute LED lighting fixture and/or lamp retrofits or replacements and implement advanced lighting control strategies.

Smart Controls

Mantis designs, installs, and integrates smart controls infrastructure for data centers, from individual sensors to multi-site field device programs.

Utility Bill Management

Software that automates data processing, validates invoices, and provides real-time insights, reducing errors and improving workflows.

Airflow Optimization & Containment

Our airflow experts can ensure proper temperature control to optimize operations.

Design & Construction Management

Mantis Innovation manages capital projects from design and engineering through bidding, construction, and final commissioning.

Building Performance Compliance

We help organizations navigate building performance policies while mitigating risk, controlling costs, and supporting long-term efficiency goals.

HVAC/Mechanical Optimization

We specialize in energy-efficient HVAC upgrades and retrofits, reducing energy use and carbon emissions with efficient boiler replacements.

Building Management Systems

Our BMS solutions enhance facility performance with custom, turnkey integrations for HVAC, mechanical, security, and lighting.



The Mantis Process

Mantis starts by understanding your institution's unique needs, including campus conditions, operational priorities, budget constraints, and long-term strategic goals.

We work with colleges and universities to identify opportunities to improve performance, manage costs, support sustainability goals, and plan for long-term campus success. Our process connects facility data, energy strategy, and project execution to deliver scalable, long-term results across the entire portfolio.

From insight to execution, Mantis helps campuses plan the right work at the right time without disrupting day-to-day operations.

01

Assess & Understand

We begin by building a clear, data-driven understanding of facilities, energy use, and operational priorities.

- Conduct facility assessments across buildings or portfolios
- Evaluate asset condition, performance, and risk
Review energy usage, budget, and procurement needs
- Identify cost savings, operational improvements, and performance opportunities
- Define potential savings, capital needs, and performance impact
- Identify available incentives, funding options, and financing opportunities
- Present findings, recommended solutions, and projected outcomes

02

Plan & Prioritize

Using data and insights from the assessment, we help districts build a clear, actionable path forward.

- Prioritize projects and investments based on condition, risk, and budget
- Develop multi-year capital and facility improvement plans
- Align energy strategy and procurement approach with usage and goals
- Evaluate trade-offs and options to support informed decision-making
- Design turnkey solutions tailored to district needs

03

Deliver & Implement

Mantis supports execution from planning through implementation to ensure successful outcomes.

- Project manage facility and energy initiatives from start to finish
- Guide districts through energy procurement and contracting
- Oversee implementation to ensure quality and performance
- Help support long-term asset life and warranty coverage
- Provide ongoing performance support and optimization



How Mantis Innovation Supports Higher Education

Cost Management & Financial Stewardship

- Helps colleges and universities maximize limited operational and capital budgets by reducing costs across energy, HVAC, roofing, paving, and critical infrastructure.
- Reduces energy costs and price volatility through strategic procurement, utility bill management, and energy efficiency initiatives.
- Identifies rebates, incentives, and funding opportunities that improve project ROI and stretch institutional resources further.

Facilities Planning & Asset Management

- Helps institutions move from reactive maintenance to data-driven, proactive facility management.
- Provides condition assessments, asset inventories, and long-range capital planning to address deferred maintenance and reduce emergency repairs.
- Extends the life of critical assets including roofs, HVAC systems, building envelopes, and campus infrastructure.
- Supports portfolio-level planning across academic buildings, residence halls, athletic facilities, research spaces, and administrative offices.

Student Experience & Campus Operations

- Improves comfort, safety, and reliability across the campus environment.
- Supports learning, living, and research environments through improvements to HVAC, lighting, controls, and facility performance.
- Helps minimize disruptions by proactively identifying facility risks and aligning projects with academic calendars and operational priorities.

Energy, Sustainability & Decarbonization

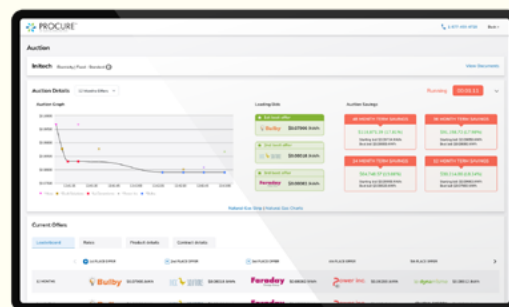
- Supports campus sustainability, carbon reduction, and climate action goals through practical, phased strategies.
- Helps institutions reduce emissions while balancing operational, financial, and academic priorities.
- Provides visibility into energy performance and opportunities for renewable energy, efficiency upgrades, and strategic procurement.
- Helps campuses demonstrate measurable sustainability progress to students, faculty, alumni, and stakeholders.



Mantis Technology: Connecting Data Across Portfolios

Colleges and universities often manage facility, energy, and asset data across numerous buildings, campuses, and systems, making it difficult to gain a clear view of performance.

Mantis connects that data into a unified platform, providing visibility into assets, energy use, maintenance priorities, and operational performance so institutions can make faster, more informed decisions.



Perform by Mantis Innovation is your complete facility and energy intelligence platform — one login to manage assets, track energy, capture rebates, and plan capital spend across your entire portfolio.

- **Understand Facility Condition** - Review asset condition scores for roof, pavement, and mechanical systems — property-by-property or across your entire portfolio.
- **Keep the Future in Sight** - Visualize 5 or 10-year Capital and Operating budgets with property-level forecasting built directly from your own assessment data.
- **Set Your Priorities** - Surface life safety alerts, review defect data, and resolve issues before they escalate into failures or unplanned capital spend.
- **Budget with Confidence** - Walk into every budget meeting with a data-backed capital plan, repair cost estimates, and remaining service life projections for every asset.
- **Track Energy and Capture Savings** - Monitor energy performance across your portfolio, automatically identify rebate opportunities, and track progress toward your sustainability goals.
- **Keep Accurate Records** - Centralize warranties, assessment reports, construction documents, and work orders in one accessible place.

Procure by Mantis Innovation is a reverse auction in which multiple sellers offer their goods or services to a buyer at the lowest price possible.

- **Equal Terms** - Mantis ensures that suppliers competing for your business offer identical products – meaning no post-auction surprises.
- **Full Transparency** - You will see every offer provided by all participating vendors.
- **No Obligations** - You can sign a new contract with your preferred vendor, wait for another time to run a new auction, or simply not contract at all.
- **Participation is Free** - You will never have to worry about out-of-pocket expenses to conduct a Reverse Auction.
- **Eliminate the Back and Forth** - All vendors can participate simultaneously, ensuring that the lowest price is achieved while significantly reducing time.
- **Save Time and Resources** - Your time is valuable, which is why we ensure auctions only last for 5-10 minutes on average.
- **Detailed Summary and Savings** - Every auction includes a detailed summary and cost comparison analysis to help make your decision easier.



Available Incentives for Colleges & Universities: Where Funding Exists, and How Mantis Helps You Capture It

Many colleges and universities miss available rebates, incentives, and funding opportunities simply because they lack the time or resources to track them. Mantis helps institutions identify, secure, and maximize available incentives as part of a broader facility and energy strategy, reducing upfront costs and improving project outcomes.

Incentive Landscape by Region

Incentive availability varies significantly by location. Use this as a high-level guide:

Northeast (New England, NY) & West (CA, Pacific NW)	HIGH INCENTIVES MARKETS
✓ Strong utility and state-sponsored programs ✓ Broad incentives across lighting, HVAC, and controls ✓ Often provide meaningful offsets to project costs	
<i>Example Programs</i> • Mass Save (MA) – comprehensive rebates across HVAC, lighting, and controls • NYSERDA (NY) – incentives for energy upgrades and building retrofits • PG&E / SCE (CA) – large-scale utility rebate programs for efficiency improvements	
Midwest (IL, MI, MN, WI)	CONSISTENT PROGRAM MARKETS
✓ Reliable utility-backed rebate programs ✓ School-specific initiatives, including audits and retrofit incentives ✓ Consistent opportunities for lighting, HVAC, and building improvements	
<i>Example Programs</i> • ComEd (IL) – rebates for energy-efficient lighting, HVAC, and building upgrades • DTE (MI) – efficiency rebates for HVAC and lighting upgrades • Focus on Energy (WI) – incentives for building improvements and system upgrades	
Southeast & Select States (FL, AL, TX, others)	EMERGING OR LIMITED MARKETS
✓ More limited or inconsistent incentive availability ✓ Some programs exist, often targeted or utility-specific ✓ Policies evolving in certain states, expanding future opportunities	
<i>Example Programs</i> • AEP Texas (TX) – school-focused retrofit incentives and technical support • Select utility programs offering targeted rebates for specific upgrades	



Is Mantis Right for Your Campus?

Colleges and universities are often tasked with balancing aging infrastructure, limited budgets, sustainability initiatives, and evolving campus needs. If any of the challenges below sound familiar, Mantis can help you develop a practical path forward.

- ☐ **Managing deferred maintenance across multiple buildings**
- ☐ **Planning capital investments over the next 3-10 years**
- ☐ **Looking to reduce energy costs**
- ☐ **Pursuing sustainability goals**
- ☐ **Evaluating HVAC, roofing, paving, or infrastructure improvements**
- ☐ **Seeking utility rebates and incentives**
- ☐ **Looking for better visibility into facility conditions**
- ☐ **Working with limited internal resources**

Ready to Learn More?

Whether you're exploring facility improvements, energy management strategies, infrastructure projects, or sustainability initiatives, Mantis can help. Visit the E&I contract page to learn more about available solutions and resources, or contact your E&I representative to discuss your institution's specific goals and challenges.

[Click Here to Explore Mantis Through E&I](#) 

About Mantis Innovation

At Mantis Innovation, unlocking efficiencies is our driving force. We specialize in energy efficiency, energy advisory, building controls and facilities management solutions. Our tailored strategies help you optimize operations, minimize costs, streamline processes, and elevate performance. Our expertise allows us to thoroughly assess your facility operations, identify areas for improvement, and craft long-term strategies for sustainable success. By enhancing energy management and implementing effective practices, we help you navigate budgetary risks and improve operational planning. Together, we ensure your organization operates at its peak potential while setting new standards of excellence in your industry.

Contact

- ▶ 877.459.4728
- ▶ mantisinnovation.com
- ▶ info@mantisinnovation.com
- ▶ 10375 Richmond Avenue
Suite 700
Houston, Texas 77042



Unlocking Efficiencies.



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