

Optimization Services

Delivering Smarter, More Efficient Buildings

COMPLETE ENERGY OPTIMIZATION FROM RETRO-COMMISSIONING AND MAINTENANCE TO BUILDING ANALYTICS AND CENTRAL PLANT OPTIMIZATION —

CM3 Building Solutions has been delivering energy solutions for more than 20 years.

With a team of energy, building automation, and HVAC engineers and specialists, we deliver a range of optimization solutions to improve the performance of the critical and complex systems that control today's smart buildings.

From individual HVAC units to intricately engineered building automation systems, we service, monitor, and optimize the equipment and systems to deliver operational and energy savings across facilities.

TURNKEY OPTIMIZATION SOLUTIONS

BUILDING OPTIMIZATION SERVICES

- Retro-commissioning
- Preventative Maintenance
- Monitor-based Commissioning

- Air Handling Units
- Fan Coil Units
- VAV Systems
- Rooftop Units
- & Many More

CENTRAL CHILLED WATER PLANT OPTIMIZATION SERVICES

- Retro-commissioning
- Central Plant Optimization

- Chillers
- Secondary Systems
- Pumps
- Cooling Towers

ENERGY PROGRAMS

As energy regulations evolve, CM3 helps you stay ahead. We're certified and approved to deliver energy efficiency services across a range of local and state programs, guiding you through every step—from assessment to implementation to securing available rebates.

And, as new programs are implemented, we seek out and get certified to comply with those programs – so our customers can optimize their energy and maximize any financial incentives.

Current Certifications Include:

- New Jersey Clean **Energy Trade Ally**
- Philadelphia Building Energy Performance **Tune-Up Specialist**
- Philadelphia Electric Company (PECO) **Trade Ally**
- Maryland Building Energy Performance Standards (BEPS) **Provider**

ENERGY ENGINEERING SERVICES



IDENTIFY

energy & operational opportunities



CALCULATE

projected energy savings and ROI



FIND

available energy incentives and rebates



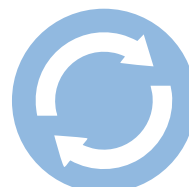
DOCUMENT

energy savings and efficiency to qualify for incentives



DELIVER

turnkey energy services, from design through installation



MONITOR

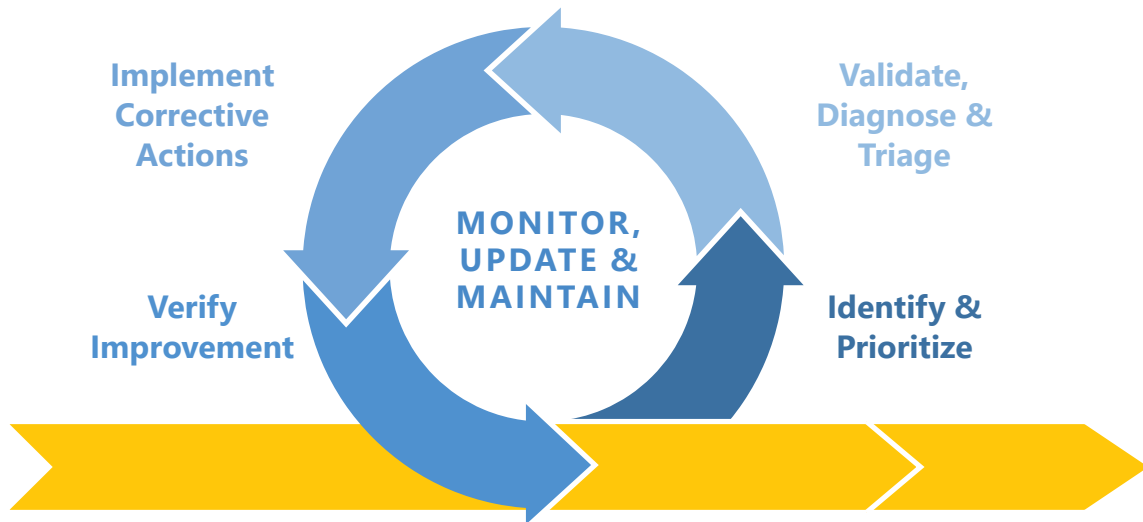
and optimize building systems continuously



FINANCE

assistance through our network of trusted partners

THE PATH TO ENERGY OPTIMIZATION



PREVENTATIVE MAINTENANCE

Keep your equipment operating at its best. Flexible, preventative maintenance plans deliver confidence in your equipment. And, auto-scheduling of maintenance visits with email/text notification ensures worry-free, regular inspections. Detailed visit reports identify all maintenance activities undertaken, as well as recommended repairs and replacements for future consideration.

MONITOR-BASED COMMISSIONING

Achieve lasting energy savings through ongoing monitoring of your building. With our monitor-based commissioning solution, you can view your building operations as a whole, collecting and analyzing data continually to ensure consistent peak performance and constant energy savings. Highly affordable and simple to deploy, this solution identifies your building's problem areas and establishes a performance baseline, so you can set targets and benchmark your progress as building systems are optimized to perform together. And, it delivers enhanced analysis capabilities to reveal other potential savings opportunities over time.

MBCx also helps verify that savings initiatives are actually meeting targets and identifies potential problems before they become costly maintenance or safety issues.

- Data prioritization and sorting
- Access large amounts of historical & real-time data
- Customizable algorithms provide simulations and test for certain conditions
- Access to all data – no hidden or tiered data limits

RETRO-COMMISSIONING

Proactively discover the issues that are negatively impacting energy consumption. Our detailed field assessment and expert data analysis identify the corrective actions that are needed, ensuring optimal performance of your building systems and identifying potential problems before they result in downtime. A comprehensive report clearly illustrates each corrective action and its impact on energy savings.

CENTRAL CHILLED WATER PLANT OPTIMIZATION

A complete central plant control and optimization system that delivers maximum energy savings. Providing optimal HVAC system performance and control through the use of exhaustive search algorithms, identifying the combination of setpoints, equipment sequences and conditioned-space parameters that result in the lowest energy input and/or lowest instantaneous cost of production.

More than just plant controls, this solution implements air-side analytics to identify problematic zones and provide maximized plant reset without impact to air-side performance, resulting in savings superior to other plant-only optimization solutions.

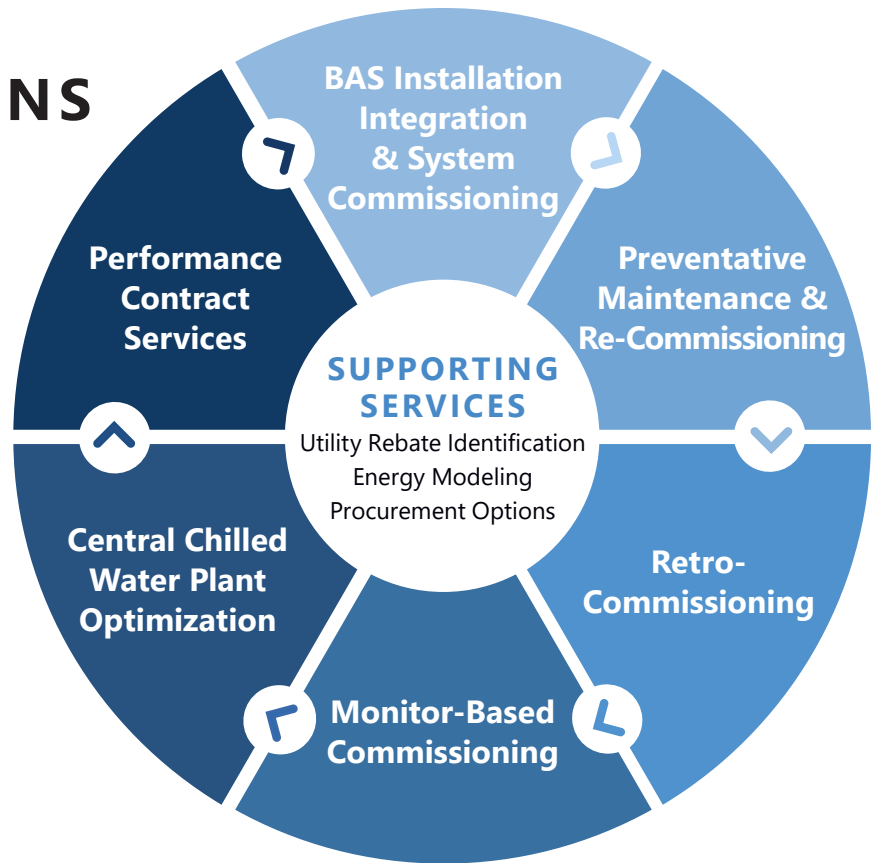
- Simulation-based optimization delivers an average 20 - 50% annual energy cost savings
- Non-proprietary, open, and customizable technology allows for interoperability to all building systems
- Performance guarantees provide predictability and repeatability in operating expenses and savings yielding a guaranteed return on investment.

A COMPLETE ENERGY SOLUTIONS PORTFOLIO

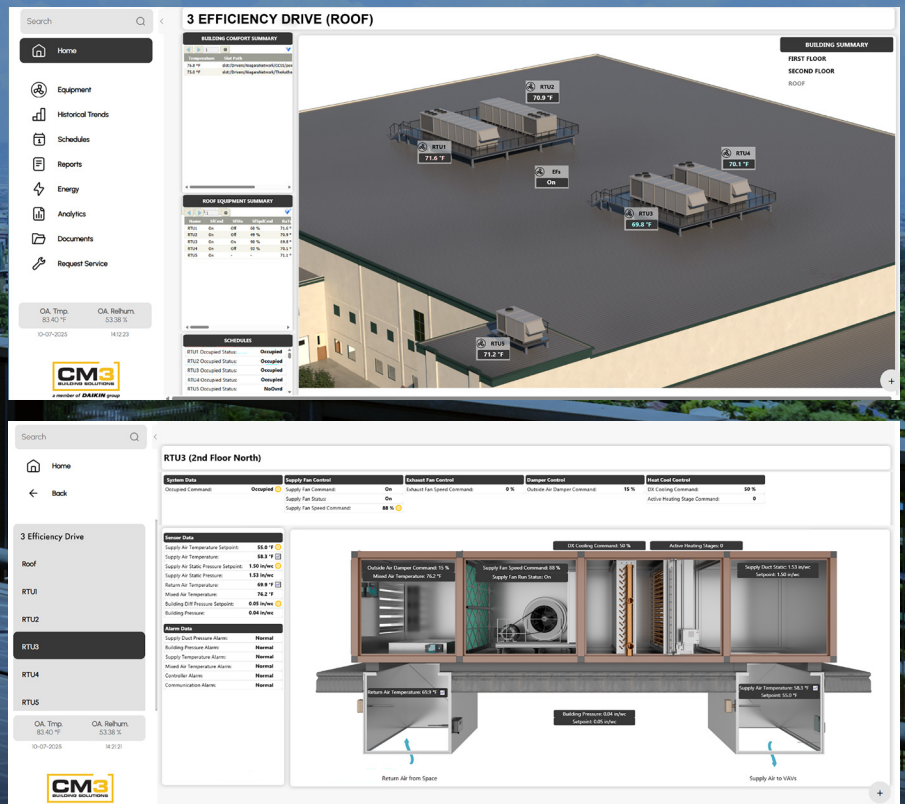
We see ourselves as more than your contractor. We are your Energy Consultant, looking beyond the project at hand to deliver long-term facility modernization goals and energy efficiency planning.

OUR TEAM

- Commissioning Experts
- Certified Energy Managers
- Professional Engineers
- Project Managers
- Security & Life Safety Professionals
- Tech Services Experts



INTUITIVE DASHBOARDS



a member of **DAIKIN** group

BUILDING AUTOMATION | ENERGY | HVAC | SECURITY | TECHNOLOGY SERVICES

WWW.CM3INC.COM

215.322.8400

185 Commerce Dr. Fort Washington, PA 19034