



RETRO-COMMISSIONING

THE VALUE OF OPTIMIZING EXISTING BUILDINGS

Retro-Commissioning (RCx) is a cost-effective process that enhances the performance of existing buildings by improving system efficiency, reducing energy consumption, and increasing occupant comfort.

AVERAGE ROI OF BUILDING COMMISSIONING
IS **1-3 YEARS**

RETRO-COMMISSIONING

ENHANCES THE PERFORMANCE OF EXISTING BUILDINGS.

KEY BENEFITS

- ENERGY SAVINGS: RCx can reduce energy costs by 10–20% on average.
- OPERATIONAL EFFICIENCY: Identifies and corrects system inefficiencies, improving equipment performance.
- COST-EFFECTIVENESS: Typical payback periods range from 1–3 years, with savings of \$0.18–\$0.29 per square foot annually.
- EXTENDED EQUIPMENT LIFE: Properly maintained and optimized equipment lasts longer and operates more reliably.
- IMPROVED INDOOR ENVIRONMENTAL QUALITY: Ensures proper ventilation, air quality, and thermal comfort for occupants.



TYPICAL ISSUES IDENTIFIED IN RCx

- ▶ Inefficient HVAC scheduling and setpoints.
- ▶ Malfunctioning sensors and controls.
- ▶ Unnecessary simultaneous heating and cooling.
- ▶ Poorly balanced airflow and water distribution.
- ▶ Inconsistent occupant comfort and complaints.

HOW RCx WORKS

- Assessment & Investigation:** Review historical energy data and conduct on-site inspections.
- Planning & Recommendations:** Develop strategies to optimize system performance.
- Implementation & Adjustments:** Apply changes such as control recalibration, scheduling updates, and airflow balancing.
- Verification & Monitoring:** Confirm savings and ensure sustained improvements.

FINANCIAL IMPACT

- RCx costs range from \$0.15–\$0.75 per square foot, typically covering a **full-building analysis and optimization**.
- ROI is realized within 1–3 years, with **long-term operation cost reductions**.
- Non-energy savings**, such as improved productivity and maintenance reduction, can range from **\$0.23–\$6.96 per square foot**.



DIVERSE PORTFOLIO



AWARDS AND ACCOLADES



WE LIVE OUR CORE VALUES. REMAINING TRUE TO OUR FOUNDATION.



INTEGRITY We do what we say we will do when we say we will do it. Prioritizing honesty and accountability, trust becomes the bedrock for every interaction. Clients expect it. And we demand it of ourselves.



PERFORMANCE From first thought to final nail, we seek to perform our best on every project. In practice, it translates to creative solutions and quality work, delivered *on time* and *on budget* with the highest safety standards.



RELATIONSHIPS We work hard to cultivate an integrated environment and offer a construction process unlike any other. We continually reset the bar and place relationships first—it's why clients continue to come back.

CONTACT US

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