

Building Commissioning

Ensuring Optimal Performance and Efficiency

At Local Energy Audits, we provide comprehensive building commissioning services to ensure your building systems are designed, installed, tested, and operating to meet your needs and expectations. Building commissioning is a quality assurance process that maximizes the performance, energy efficiency, and reliability of your building's systems, providing long-term benefits for both new and existing buildings.

What is Building Commissioning?

Building commissioning is a systematic process that verifies and documents that all building systems perform interactively according to the design intent and the owner's operational needs. This process includes all phases of a project, from planning and design through construction, occupancy, and operations. Effective commissioning ensures:

- **Operational Efficiency:** Systems operate as intended, minimizing energy waste and operational costs.
- **Enhanced Performance:** Improved comfort, indoor air quality, and system reliability.
- **Reduced Risks:** Identification and correction of potential issues before they become costly problems.
- **Compliance:** Adherence to regulatory standards and industry best practices.
- **Longevity:** Extended lifespan of building systems through proper setup and maintenance.

Our Commissioning Services

1. **New Building Commissioning:** For new construction projects, we ensure all systems are installed and operating as designed, identifying and resolving issues early in the process.
 - **Design Review:** Assessing design documents to ensure they meet the owner's project requirements and industry standards.
 - **Construction Observation:** Monitoring construction activities to verify proper installation of systems.
 - **Functional Testing:** Performing rigorous testing to confirm that all systems function correctly and interact seamlessly.
 - **Training and Documentation:** Providing training for building operators and comprehensive documentation of systems and processes.
2. **Existing Building Commissioning (Retro-Commissioning):** For existing buildings, we evaluate and optimize current systems to improve performance and efficiency.
 - **Initial Assessment:** Conducting a thorough evaluation of existing systems and their performance.

- **System Testing and Diagnostics:** Identifying inefficiencies and operational issues through detailed testing and diagnostics.
 - **Optimization and Upgrades:** Implementing improvements and upgrades to enhance system performance and efficiency.
 - **Ongoing Monitoring:** Establishing procedures for continuous monitoring and maintenance to sustain optimal performance.
3. **Re-Commissioning:** Periodically re-evaluating buildings that have previously undergone commissioning to ensure they continue to operate at peak performance.
- **Performance Review:** Assessing the current performance of building systems compared to original design and operational criteria.
 - **System Adjustments:** Making necessary adjustments and improvements to maintain or enhance system efficiency and reliability.

Why Choose Local Energy Audits?

- **Expert Team:** Our certified professionals have extensive experience in building commissioning, ensuring a thorough and effective process.
- **Holistic Approach:** We consider all aspects of building performance, from energy efficiency to occupant comfort and system reliability.
- **Advanced Tools:** Utilizing state-of-the-art tools and technology to provide accurate testing and diagnostics.
- **Tailored Solutions:** Customizing our commissioning services to meet the specific needs and goals of your building.
- **Commitment to Quality:** We are dedicated to delivering the highest quality service, ensuring your complete satisfaction.

Contact Us

Optimize your building's performance with expert commissioning services from Local Energy Audits. Contact us today to schedule a consultation or to learn more about how our comprehensive commissioning solutions can benefit your project.