

"Audited"

Coming Soon, to a Building Near You. Professional Confirmation of the Indoor Air Quality You Breathe.

Offices, Schools, Hospitals, Homes, etc.... We voluntarily place ourselves and our children into what is basically a big closed box, assuming everything has been designed, constructed and maintained to achieve optimal conditions in the breathing spaces we work, live, learn and play.

Until recently the technology has not existed to accurately, economically and continuously measure, record and inform Building Owners, Brokers, Management Companies, Facility Engineers, Tenants, Business Owners, Employees, Teachers and Students of the status of the Indoor Air Quality (IAQ) in the buildings they operate or occupy.

It is the mission of **McMac Commissioning Services, LLC. (McMac Cx)** to deploy the best current proven technology, coupled with experienced human over-site, to create a built environment that is healthy and energy efficient.

McMac Cx is grounded in the value that the Commissioning Process brings through third-party tested performance. Verification-through-Documentation. We apply this transparency standard to every solution we deploy. We continually ask ourselves, "Do our data and analysis solutions provide Owners, Designers, Contractors, Operators and Occupants with the quality of information that can be internalized to improve building health and energy efficiency?"

Today's official release of our "**McMac Cx Audited**" Indoor Air Quality Services (*IAQ Services*) exceeds that goal!

Specific Benefits to Building Owners and their Facility Staff:

1. The **McMac Cx Audited** *IAQ Service* can be deployed directly by Building Owners, providing transparent, third-party, continuous real-time monitoring of IAQ status, demonstrating their commitment to Tenant's Health and Wellness,
2. The **McMac Cx Audited** *IAQ Service* will send noncompliance notifications directly to **McMac Cx** for evaluation and can be configured to send noncompliance notifications directly to the Building Owner, Building Management Company, Facility Staff, and Service Contractors to assist in identifying possible:
 - a. Ventilation malfunction issues, such as:
 - i. Sequence of operation failure,
 - ii. Energy efficiency priorities jeopardizing IAQ,
 - iii. Building and /or local exhaust issues,
 - iv. Test & Balance problems,
 - v. Proper filtration efficiency and maintenance,
 - vi. Linkage, actuator, flow station or other outside air equipment failure, and /or
 - vii. Building CO2 sensor calibration issues.
 - b. Non-compliance with Green Cleaning policies,
 - c. Inappropriate materials use in buildings, by Tenant and / or Owner such as furniture, fixtures, or other equipment (FF&E), paints, etc.,
 - d. Inadequate temperature and humidity control during occupied and unoccupied periods, and / or

- e. Non-adherence to proper deconstruction / construction isolation policies when renovating spaces.
3. The **McMac Cx Audited IAQ Service** provides Building Owners third-party verification of IAQ compliance for those properties managed by outsourced Building Management Agencies.
4. The **McMac Cx Audited IAQ Service** can be deployed temporarily to assess the IAQ Performance of potential existing building acquisitions.

Specific Benefits to Building Occupants:

1. The **McMac Cx Audited IAQ Service** can be deployed directly to Tenants / Business Owners within the building, providing transparent, third-party, continuous real-time monitoring of IAQ status, demonstrating the Business Owner's commitment to Employee's Health and Wellness, and
2. The **McMac Cx Audited IAQ Service** does not require Building Owner approval to deploy in Tenant / Business Owner spaces.

Common Benefits:

1. **McMac Cx Audited IAQ Service** data can be made transparent to anyone anywhere anytime via a customized client web portal linkable to company computers and building information displays,
2. The **McMac Cx Audited IAQ Service** allows all data to be tracked, trended and stored offsite, for up to two (2) years, providing an audited proactive record of the Building Owner's or Business Owner's due diligence in applying a "best practices" approach to address potential IAQ liability issues,
3. The **McMac Cx Audited IAQ Service** is preconfigured (Temperature, Humidity, CO2, Volatile Organic Compounds (VOCs) and Particulate Matter) saving cost and deployment time.
4. The **McMac Cx Audited IAQ Service** economically and accurately monitors data recognized by the World Health Organization (WHO), US Green Building Council Leadership in Energy and Environmental Design rating systems (USGBC LEED) and the WELL Building Standard as most detrimental to health and wellness if not kept within approved parameters,
5. The **McMac Cx Audited IAQ Service** is deployed as a subscription services and does not require a large upfront capital cost,
6. The **McMac Cx Audited IAQ Service** is easily scalable from one office to multiple building and most installations are deployable in less than a day, with minimal customer inconvenience,
7. The **McMac Cx Audited IAQ Service** does not require hardwired electrical connections or interface with the Building Automation Systems or IT,
8. Installation of the **McMac Cx Audited IAQ Service** confirms that:
 - a. LEED or WELL certified buildings / spaces are providing continued health and wellness benefits as designed, and

- b. Non-LEED or Non-WELL building spaces are operating in a manner capable of achieving similar health and wellness benefits as **McMac Cx Audited IAQ Service** LEED or WELL Building certified buildings / spaces.
9. **McMac Cx** is immediately notified of monitoring equipment failure or sensor accuracy issues, enabling proactive resolution and minimal data loss,
10. **McMac Cx** has the Building Science and Systems experience to help the Building Owner, Facility Staff and Building Tenants resolve IAQ issues,
11. **McMac Cx** provides on-site training to connect common IAQ issues with employee health and productivity,
12. **McMac Cx** allows a “Try” before you “Buy” option for on-site evaluation,
13. All **McMac Cx Audited IAQ Service** software design, hardware manufacturing and online support are all provided domestically, and
14. **McMac Cx** is working to connect our “IAQ / IEQ” and “Operations Focused” monitoring technology solutions with local STEM programs.

Other **McMac Cx Audited** Service include:

1. Operations Focused:
 - a. 24/7 Building Data Energy Optimization,
 - b. Predictive Control Services,
 - c. Equipment Fault Detection, and
 - d. Automated Building Energy Measurement & Verification
2. Preconfigured Indoor Environmental Quality (IEQ). (All IAQ capabilities, plus Sound, Light, Ozone and Pressure),
3. Custom Specialized Gases,

For more information contact David MacLean at David.MacLean@mcmaccx.net 713-857-6499 or visit our website at www.mcmaccx.com