



*“Good Air Quality Starts Here”*



Indoor Air Quality Environmental Specialists

# COMPANY PROFILE

IAQ Consultants is a Singapore based environmental consultancy firm. At IAQ, we take a multidisciplinary approach to addressing our client's various indoor air and environmental quality issues. Having developed our expertise and experience in Asia, this allows us to provide our clients with a customised service that is specific to the individual needs of each of our customers. We believe we provide the best combination of our services through access to local know-how.

At IAQ, we provide our clients with the sound advice they need to enable them to make fast, informed decisions which ultimately saves our customers money, and quickly addresses the internal pollution issues or health complaints that need to be resolved- Fast.

IAQ has provided quick and responsive building solutions to the public sector and from the private sector. And have included air and surface testing throughout Singapore and the region and have included full turn key projects in full scale remediation and renovation works for our clients.

Our specialists allow us to deliver total solutions package to our customer's air quality problems. As such, we bring much strength to our work ethics and to each and every job we take on. Our challenge is your solution, and is why our customers choose to engage us time and again for their environmental needs.



*“At IAQ, we take a multidisciplinary approach to addressing our client's various indoor air and environmental quality issues.”*



*IAQ Consultants Pte Ltd is an accredited laboratory under the field of Environmental Testing in accordance with ISO/IEC 17025 : 2005*

**IAQ CONSULTANTS**

# What Makes Us Different!

Our unique combination of specialist microbiologists and innovative problem solving environmental consultants enable us to deliver solutions in the analysis, optimization, and rectification of your building systems.

We have the knowledge base of all buildings types, different business sectors, and across many different scientific platforms.

We assess, enhance, and rectify building comfort problems and deliver industrious due diligence for your satisfaction.

We provide the best value for money in service, quality of our work and passion in each unique project we work on, and our outcome is consistent- to ensure you have a healthy indoor environment.

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## Our Approach

To ensure we can deliver on our commitment to guarantee you the answers and solutions you need, we employ the latest diagnostic and leading edge technologies, instruments and sampling equipment to enable us to collect the data we need and give you the answers you demand.

Our laboratories are the best in the region for providing detailed and accurate speciation of microbial samples.

Our microbiologists are specialists in applying their expertise in the onsite investigation and laboratory analysis from numerous on site data gathering, which has allowed us to develop a knowledge base about buildings comfort and IAQ problems- like never seen before.

Where knowledge is power, our specialists are empowered to develop the solutions that guarantee results, bringing an entire process to an exact science within a short period of time.

## Our Core Services

- Indoor Air Quality Testing
- Green Mark IEQ/POA
- Green Building IAQ Audit
- IAQ Optimization for Building Systems
- Comfort / IAQ Enhancement
- Speciation Identification for Biological Contamination
- Green Building Consultancy
- Post Occupancy Assessments
- Turnkey Consultancy (Design & Build Projects)
- Facility Management Engineering
- HVAC IAQ for Building Commissioning
- Equipment Rental / Leasing
- Continuous IAQ Monitoring

## The IAQ 10 Parameters of Indoor Air Quality Audit

- Operative Temperature
- Relative Humidity
- Air Velocity
- Total Viable Mould Count
- Total Viable Bacteria Count
- Formaldehyde
- Total Volatile Organic Compound
- Respirable Suspended Particles
- Carbon Dioxide
- Carbon Monoxide

## Our Associated Services

- Legionnaires' Disease Cooling Tower Testing
- Environmental Disinfection & Bio fogging
- Hoarder Home Evacuation/ Clearance Testing
- Crime & Trauma Scene Bio Clearance Testing
- Foodborne Pathogens Testing/Awareness Course
- Airborne Diseases Awareness Course
- Pet Hygiene Awareness & Allergy Testing
- Pest Hazards Awareness & Testing
- Fomites and Vectors Control Awareness
- New building Commissioning IAQ Testing and Awareness
- Surface Contaminants/ Spill Cleanup & Testing
- Occupational and Industrial Hygiene Awareness
- Pre and Post Building Remediation/Renovation Testing
- IAQ Remedial Consultancy
- Post IAQ Test Rectification Works
- Enhanced Anti-Microbial Cleaning Services/Bio-fogging
- Enhanced Remediation Services for IAQ Failures/ Non Compliance

# Environmental Diagnostic Services

- IAQ Building Health Check
- Construction Site Evaluation and Investigation for Dust Control
- Allergens Detection and Control Investigation
- Resistant Germ Outbreaks Response Services
- Toilet Contamination Assessment Surface, Odour and Air Coliforms
- Antimicrobial Contamination Speciation Analysis
- Car Park Exhaust Gases Testing
- Duct InfraRed Thermal Imaging Investigation
- Duct Ultra Sound and Snake Camera Investigation
- Dust & Particles Assessment
- Ambient Air Quality Testing
- Biogenic CO2 Emissions Sampling
- Ship Industry Air Sampling
- Odour Investigation
- Asbestos and Fiber Identification
- Fugitive Emission Testing



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## Cutting Edge Solutions

- 100% Organic Car park Air Purification System
- Book Pest Removal and Restoration Technology
- Object Water/Humidity Damage Recovery Technology
- Taxi Stand/Bus Stop Pollution Control System
- Coach Park Air Poison Control System

# IAQ Audit based on Singapore Standard SS554:2009

*10 Parameters Based on Singapore Standard SS554:2009;*

*Code of Practice for Indoor Air Quality for Air-Conditioned Buildings*

Item	Test Parameters	Test Method	Threshold
1	Operative Temperature (Degree Celsius)	Measurement of Operative Temperature (SAM-018-02)	24°C to 26 °C
2	Relative Humidity (%)	Measurement of Relative Humidity (SAM-019-02)	<65% (for new buildings) <70% (for existing buildings)
3	Air Velocity (m/s)	Measurement of Air Velocity (SAM-004-05)	0.10m/s to 0.30m/s
4	Carbon Monoxide (ppm)	Measurement of Carbon Monoxide (SAM-015-02)	9 ppm
5	Carbon Dioxide (ppm)	Measurement of Carbon Dioxide (SAM-014-02)	700 ppm Above Outdoor
6	Total Volatile Organic Compounds (ppb)	Measurement of TVOC (SAM-016-02)	3000 ppb
7	Respirable Suspended Particulate (µg/m3)	Measurement of Particulate (SAM-017-01)	50 µg/m3
8	Formaldehyde (ppm)	Measurement of Formaldehyde (SAM-006-05)	0.1 ppm
9	Total viable Bacterial Count (Cfu/m3)	Total Bacterial Count (SAM-002-05)	500Cfu/m3
10	Total viable Fungal Count (Cfu/m3)	Total Fungal Count (SAM-003-05)	500 Cfu/m3



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# CURRENT AND PAST CLIENTS



Note: This list is not exhaustive and highlights just some of our valued clients. The logos and trademarks presented on our website belong to their respective companies and/or entities. Nothing herein shall be construed as an endorsement, warranty, sponsorship or recommendation by IAQ Consultants of these companies and/or entities, nor an endorsement, warranty, sponsorship or recommendation of IAQ by these entities.

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# IAQ Team

*Introducing IAQ's team leaders. Each individual is an expert in their field and has work experience ranging from 7-15 years specifically in buildings environmental diagnostics and air quality specialisms.*



**Emma**

Emma is IAQ's General Manager. Emma has mainly been involved in Green Buildings Consultancy (GBCC) in Singapore for the last 5 years. She brings much strength to our business objectives. Emma has worked as an Environmentally Sustainable Design (ESD) consultant where she gained industry experience in the implementation of environmental ISO standards and building energy efficiency and optimisation. She is very experienced in environmental appraisals and reviews, specifically in buildings performance efficiency which included building computerised simulations. Other areas of expertise are in building projects undergoing retro fitting works, major refurbishments and remediation project management work involving Indoor Environmental Quality standards (IEQ), IAQ comfort management and pollution control reporting. She is very experienced in the implementation of total client solutions which have resulted in occupant indoor health improvements and energy savings.

Kumar is IAQ's Senior Microbiologist for our in-house laboratories since 2005. Kumar is the guru of physical, chemical and microbial (mould and bacteria) air parameter testing. His investigative studies have helped thousands of businesses identify and quantify fungal contamination which include onsite damage assessments and removal specifications for water and mold damaged materials. In the lab he is the master at executing species identification methods, including molecular techniques. Kumar advises our clients how to prevent the spread of disease and contamination; through systematic diagnostic air testing and the use of antimicrobials. Kumar is responsible for documenting our diagnostic findings and the technical content of our ISO/IEC 17025 certified reports.



**Kumar**



**Kasturri**

Kasturri is IAQ's Head Environmental Scientist. She has performed various indoor air quality audits in commercial, residential and industrial buildings. She is IAQ's project leader, in charge of quality control and IAQ staff movements. Kasturri is responsible for performing site investigations and the data preparation of our reports. Kasturri runs projects with pin point efficiency by ensuring the smooth mobilization of our company resources, team management and other commitments associated with each project. Kasturri is in charge of company quality assurance. She makes sure all client reports are in line with SS554:2009 guidance, SAC SINGLAS accreditation, SEI and NEA standards.

Mitesh is IAQ's Senior Environmental Technologist. He has performed various indoor air quality diagnostics in buildings and on board vessels following SS554:2009. He has comprehensive knowledge of air quality measures, their problems and various testing procedures including investigative sampling methods used in air quality protocols. Mitesh has sound technical knowledge of the instruments and equipment used in air quality/monitoring programs and their calibration and serving. Mitesh is a competent handler in the laboratory and in the principles of chemical & biological analysis. Mitesh's academic back ground has enabled him to create strategic business opportunities during the development and expansion of IAQ's R&D department.



**Mitesh**

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At IAQ, We...

**DETERMINE THE SOURCE.  
DEFINE THE CAUSE.  
DELIVER THE SOLUTION.**



**IAQ Consultants Pte Ltd**  
3018 Bedok North Street 5  
#06-08 Eastlink Building  
Singapore 486132

Tel: +65 6245 0109  
Fax: 6305 2417

Email: [info@iaqsg.com](mailto:info@iaqsg.com)  
Website: [www.iaqsg.com](http://www.iaqsg.com)