

Indoor Environmental Quality (IEQ) Optimisation

Inspections, testing, reporting and Green Star EBP Compliance

At Ecolution Consulting, we can provide several of the IEQ inspection, testing and reporting services as required for the Green Star South Africa Existing Building Performance IEQ credits, allowing your team to focus on the rest of the certification process.

Below is a list of the services we offer, but feel free to contact us to customise it to your requirements:

IEQ-1 Indoor Air Quality

Monitor and control of indoor pollutants and thus helping sustain the comfort and wellbeing of building occupants.

Indoor Air Quality Testing – 3 points

- Carbon monoxide (CO) levels measurements
- Carbon dioxide (CO₂) levels measurements
- Reporting and corrective action plan

IEQ-2 Lighting Comfort

Operational practices that provide occupants with a high degree of lighting comfort by addressing discomfort caused by lighting flicker as well as excessive lighting levels.

Luminaire ballasts – 1 point

- Fluorescent ballast audit and reporting
- Magnetic ballast replacement program

Lighting comfort – 1 point

- Lux level measurements
- Lighting comfort report

IEQ-3 Thermal Comfort

Operational practices that monitor and maintain a high level of thermal comfort for building occupants.

Mechanically or Naturally Ventilated Spaces – 2 points

- Winter and summer temperature measurements
- High level audit and reporting
- Thermal comfort survey

Innovation Challenge – 1 point

- Airspeed measurements in conjunction with temperature measurements
- PMV (Predicted Mean Vote) report

IEQ-4 Occupant Comfort Survey

Assessment of building occupants' satisfaction as it relates to comfort.

Occupant Satisfaction – 2 points

Develop, provide and assess occupant comfort survey, summarise results and provide corrective action plan.

IEQ-5 Acoustic Quality

Monitor acoustic comfort factors and strive to improve performance to ensure acoustic comfort for building occupants and minimize impact on surrounding buildings.

High-Level Acoustic Audit – 1 point

- Acoustic audit with measurements
- Audit report and corrective action plan

IEQ-6 Daylight and Views

Recognize the introduction of naturally lit spaces which provide occupants in regular occupied spaces with access to appropriate daylight and quality views.

Daylight Access and Glare Control – 1.5 points

- Lux level measurements
- Daylight Assess Report
- Glare control assessment and photographs with short report.

Why choose Ecolution Consulting to assist with IEQ services?

With over seven years experience in green buildings, we have come to offer solutions which are holistic and result in far reaching building and operational benefits. We integrate well into the processes of the project team, having worked on some of the top green building projects in the country. We always look for the most cost effective ways of achieving results whilst thinking long term to ensure our solutions are future-proofed. We are passionate and detail-driven, always willing to go the extra mile for our projects and clients.

WE'RE HERE TO HELP! CONTACT US TO DISCUSS HOW WE ASSIST
YOUR TEAM WITH IEQ OPTIMISATION.

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