
Innovative Plant Technology



Healthy Office Assessment for Breathable Air

Would you like to breathe better quality air in your workplace?

Most people are breathing polluted air indoors, assuming the air conditioning is providing 'clean air'.

Nothing could be further from the truth!

Office buildings are typically air tight with no opening windows, and 75% to 90% of the air is re-circulated, stale air.

Buildings designed to provide the best indoor air quality are dependent on outside air, which is polluted by motor vehicle emissions and may be more polluted than industrial air, even with *full* air-conditioning systems.

The air we breathe is the critical link in our contact with the environment



This 'cocktail' of polluted air is the 'fresh' air we breathe indoors.

Indoor air frequently contains more than 300 different volatile organic chemicals (VOCs) that are an inherent part of modern everyday life.

Motor vehicle emissions enter through the air-conditioning system and combine with indoor emissions from eg. photocopiers, cleaning products, personal care products, carpets, furniture and furnishings, dry-cleaning residues, paints and building materials, to make-up the air we breathe.

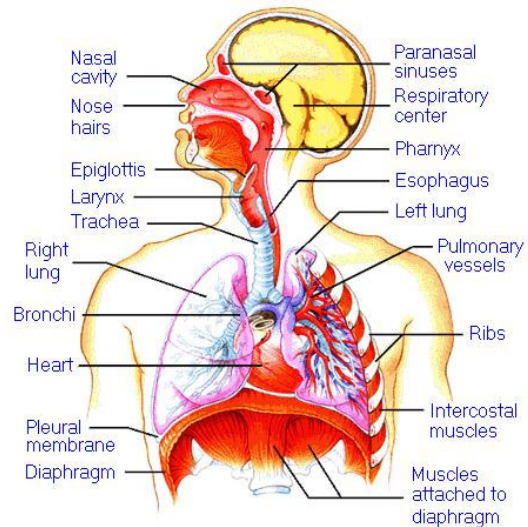
Health effects

Indoor air contaminants contain irritants, oxidants, allergens and carcinogens.

Exposure to these pollutants, even at tiny concentrations, is suspected as the major cause of the headaches, lethargy, sore eyes and respiratory problems experienced by many office workers. VOCs can adsorb onto fine dust particles, (such as diesel exhaust) which have the potential to penetrate deeply into the lungs.

Good indoor environmental quality increases concentration and productivity.

Most buildings in capital city central business districts (CBDs) do not have the legally required workplace occupational health and safety (OH&S) risk management assessments in place.



Providing a safe, comfortable and healthy indoor environment is good business, as well as an OH&S issue.

IPT has developed '**Healthy Office Assessment**', a comprehensive proactive program specifically designed to monitor indoor environmental quality. IPT offers a range of professional services to evaluate the impact of indoor environments on the health, wellbeing and thermal comfort of occupants.

The '**Healthy Office Assessment**' provides building owners, tenants and facilities managers with professional indoor air quality risk-assessment, towards fulfilling their OH&S legal obligations, and

providing a simple, cost-effective solution to indoor air quality issues.

Building owners and facilities managers who recognize the importance of providing and maintaining good indoor air quality

have identified the **'Healthy Office Assessment'** as an evaluative screening tool to facilitate early detection of Indoor air quality problems *before* they become major issues.

OUR KEY SERVICES:

- *Indoor air quality testing program*
- *Programmed follow-up.*
- *Green Star indoor environmental assessment*

IPT is able to identify problems, and propose solutions, to ensure sustainability, innovation and their beneficial outcomes for healthy offices and healthy, breathable air.

The **'Healthy Office Assessment'** Program can include the following measurements:

- Total Volatile Organic Compounds
- Benzene and Ozone
- Carbon Dioxide (CO₂)
- Carbon Monoxide (CO)
- Particulates (dust)
- Temperature and Relative Humidity
- Lighting Levels

YOUR KEY BENEFITS

- *A healthier work environment*
- *Improved staff productivity*
- *Reduced staff absenteeism*
- *Positive client perception*



Good indoor environmental quality increases concentration and productivity

Strategy

An initial walk-through inspection is conducted before the measurement phase. After sampling is completed, an expert report will be prepared

indicating the measured levels of the above parameters compared with the normal range (Australian Standard AS 1668.2).

Any significant variations from this standard will be included in the report and appropriate action recommended.

All measurements are made using calibrated instruments, standards and reference materials to the highest degree of compliance with Australian and international guidelines.

To arrange a confidential discussion for achieving a healthier workplace, improved staff productivity, reduced staff absenteeism and positive client perception, e-mail Innovative Plant Technology at enquiries@iplant@bigpond.net.au or phone: +(612) 9654 1264

About Innovative Plant Technology

Innovative Plant Technology was founded by Dr. Ronald Wood PhD BSc. and Patricia Wood B.Fine Art

(Member of International Society of Indoor Air Quality (ISIAQ) and Clean Air Society Of Australia and New Zealand (CASANZ)
Accredited consultants – accessUTS and Unisearch

Dr. Ronald Wood PhD BSc (UTS) is an environmental scientist acknowledged internationally for pioneering research into the role of indoor plants in reducing air-borne volatile organic pollutants, and in indoor air quality improvement for the health, well-being and productivity of building occupants.

Innovative Plant Technology has developed indoor air quality assessment programs for a number of critical environments.

In demand as a consultant to commercial business, government, building and construction industry, hotels, airports, facility managers, architects and landscape architects, Dr. Wood has published widely in scientific journals, industry publications and conference proceedings, and has presented many papers at international conferences in Australia, Asia, Europe and the United States.

Find out more about **Innovative Plant Technology** and Dr. Wood's unique environmental management solutions at: www.plantscleanair.com