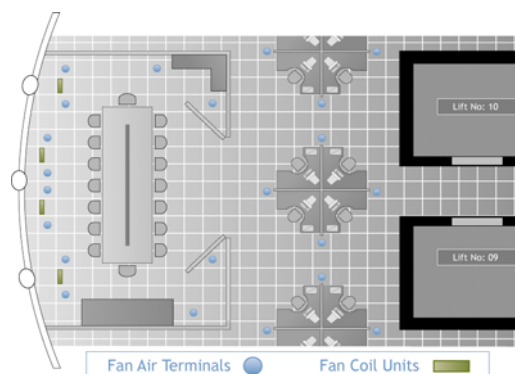


## TASAIR PAC SYSTEM

The Tasair PAC (Personalised Air Control) System is designed to create the ideal working environment and intelligent building. By delivering a supply of clean conditioned air to the immediate space of each occupant, the Tasair PAC System aims to achieve:

- Better health, productivity and contentment of staff within the office environment.
- Increased building flexibility.
- Reduced operating and ongoing costs.
- Long term viability for the developer.

The Tasair PAC System uses the underfloor plenum, created by a raised access floor, as a large supply 'duct' to deliver clean conditioned air to an office environment. The system responds to extra and uneven heat loads by allowing individual staff to adjust and control the air flow surrounding their immediate environment to suit their specific needs. This is a very effective way for each occupant to achieve a personal comfort level within his or her immediate space.



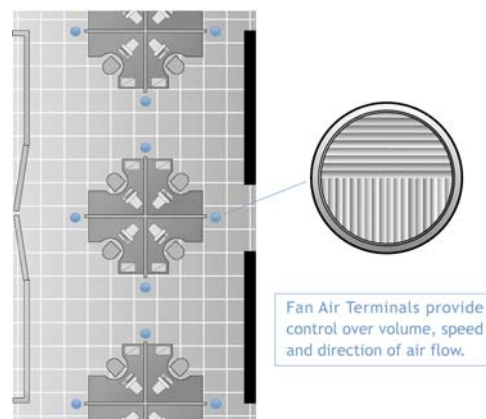
**Floor Plan – General Office Environment**

### General Office Environments

The Tasair PAC System works by simply filling the underfloor plenum with conditioned air at a slight positive pressure. The conditioned air is drawn into the general office space by an array of powered Fan Air Terminals, which plug into the underfloor power supply and remain mounted on the interchangeable access floor panels.

At workstations, each person can have individual control over their immediate environment by adjusting their Fan Air Terminals to a volume, speed and direction of air flow to suit their own particular level of comfort. The number of Fan Air Terminals, and their location, can be varied to suit the heat loads of the office space and/or the needs of each individual.

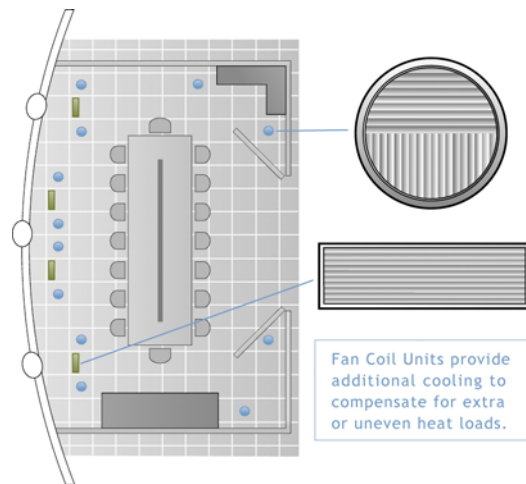
Future changes to the office space are easily accommodated by relocating the Fan Air Terminals along with their interchangeable access floor panel, to suit the new office layout.



### Extra or Uneven Heat Loads

Extra or uneven heat loads are often experienced around the building perimeter, conference/meeting rooms, or caused by heat-producing electronic equipment etc. Around these areas, self-contained Fan Coil Units are incorporated within the Tasair PAC System to provide additional cooling by treating a mixture of conditioned air from the underfloor plenum, and air from the office space.

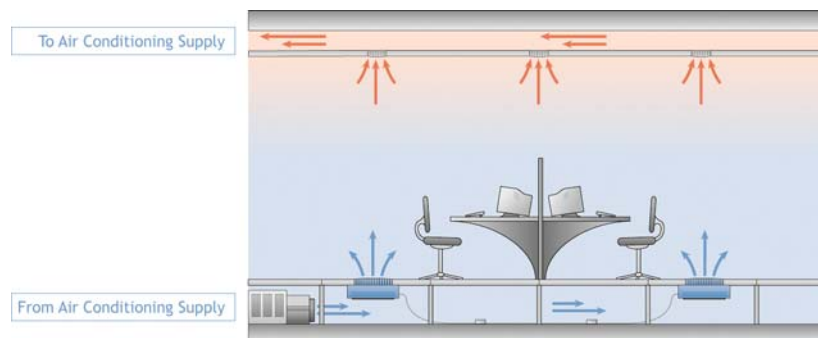
At the building perimeter, Fan Coil Units are located within the underfloor plenum and deliver conditioned air, via a flexible duct, to two circular floor grilles. This level of additional cooling compensates for higher heat loads experienced at the building perimeter and helps to condition the space.



## BENEFITS OF THE TASAIR PAC SYSTEM

### Creates the Ideal Working Environment

- Individuals have personal control over the air conditioning at their immediate workstation, hence control over their personal level of comfort.
- Improved ventilation is achieved as a clean, fresh and healthy air supply from floor to ceiling stratifies the air and enhances natural convection.
- Temperature adjustments are easily made using a thermostatic or manual air volume control.
- Individuals at their workstation can easily make changes to air flow speed and direction by rotating the floor air grille.
- Designed to provide better health, productivity and contentment of staff within the office environment.



The Tasair PAC System enhances natural convection to deliver a clean, fresh and healthy air supply.

### Increased Building Flexibility

- Interchangeable Fan Air Terminals are easy and economical to relocate during periods of churn.
- The systems interchangeability delivers long term flexibility for unforeseen future changes to design of the office space.
- The system can be used with conventional air conditioning equipment.

### Reduced Operating & Ongoing Costs

- Lower air conditioning operating costs:
  - Unoccupied rooms can be switched off.
  - Cold soaked concrete slab acts as a storage sink for cool air overnight.
- After hours air conditioning supply to actual workers only.
- Reduced amount of overhead ductwork.
- Minimal air conditioning re-organisation costs as part of tenancy fit-out.
- Future changes are made easily, economically and achieved by in-house maintenance personnel.

### Long Term Viability for the Developer

- Potential to reduce the overall floor to floor height and thus overall building height.
- Ability to attract long term tenants for no additional capital cost.
- Base air conditioning facility only needed initially as the tenant can choose location of Fan Air Terminals.
- Long term viability of building is assured by incorporating a truly flexible air conditioning system.
- Elimination of air riser shafts provides more letable floor space on every level.
- Capital item costs like air handling units, chillers, and water cooling towers are similar to conventional cost or less.
- Potential for lower air conditioning capacity using structural storage.
- Lowest air conditioning relocation costs.
- Reduction in maintenance costs.
- Lower energy consumption.
- Reduction in air systems balancing costs.

The Tasair PAC System provides a personalised and flexible air conditioning solution, designed to enhance productivity and contentment, with the additional benefit of low operating and modification costs.