

PROJECT TITLE:

Anova

PROJECT DESCRIPTION_01:

Using thermal delight and micro-climatic conditions as design drivers, this project seeks to address issues of ecological sustainability and housing affordability in a changing climate through the development of a medium density apartment building located in Kensington, Melbourne.

For more information see: <http://nightingalenightschool.org/#/anova/>

PROJECT DESCRIPTION_02:

Using thermal delight and micro-climatic conditions as design drivers, this project seeks to address issues of ecological sustainability and housing affordability in a changing climate through the development of a medium density apartment building located in Kensington, Melbourne.

By providing a large number of green spaces and a passive design strategy, the project aims to improve the surrounding ecology and have a net positive impact on the local urban heat island effect creating a pocket of respite in a changing climate.

For more information see: <http://nightingalenightschool.org/#/anova/>

PROJECT DESCRIPTION_03:

Using thermal delight and micro-climatic conditions as design drivers, this project seeks to address issues of ecological sustainability and housing affordability in a changing climate through the development of a medium density apartment building located in Kensington, Melbourne.

The project creates ecological benefit on three levels: at a site scale by providing a large amount of open public space planted with native vegetation; at a building scale through the incorporation of greenhouses and rooftop gardens allowing residents to engage with urban agricultural practice; and at an apartment scale through the use of passive heating and cooling strategies such as thermal chimneys.

By providing a large number of green spaces and a passive design strategy, the project aims to improve the surrounding ecology and have a net positive impact on the local urban heat island effect creating a pocket of respite in a changing climate.

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PROJECT DESCRIPTION_04:

Using thermal delight and micro-climatic conditions as design drivers, this project seeks to address issues of ecological sustainability and housing affordability in a changing climate through the development of a medium density apartment building located in Kensington, Melbourne.

Over the coming century, it is predicted that Melbourne will experience lower annual rainfall, higher frequency of extreme heat-waves and a mean temperature increase of between 2-5 degrees Celsius. During the same time frame Melbourne's population is projected to more than double. Housing the rising population has typically fell to developers, which due to lack of attention has resulted in multi-residential buildings with poor thermal performance, an expansive sprawl in the outer suburbs and housing simply too expensive for the large proportion of the population. However through the use of spatial arrangement, material usage and fenestration, micro-climatic spaces can be refined to generate net positive effects on the local environments providing both internal and external spaces of thermal delight.

This project creates ecological benefit on three levels: at a site scale by providing a large amount of open public space planted with native vegetation; at a building scale through the incorporation of greenhouses and rooftop gardens allowing residents to engage with urban agricultural practice; and at an apartment scale through the use of passive heating and cooling strategies such as thermal chimneys.

Affordability is addressed through shared building facilities and the reduction of return on investment combined with the elimination of unnecessary project expenses typically passed on from developer to purchaser.

By providing a large number of green spaces and a passive design strategy, the project aims to improve the surrounding ecology and have a net positive impact on the local urban heat island effect creating a pocket of respite in a changing climate.

For more information see: <http://nightingalenightschool.org/#/anova/>