

*Bringing ideas
to life*



Is your University ready for the Wellness Revolution?

TEFMA 2017 Conference Melbourne
20th September 2017

Jeff Robinson

Global Sustainability Leader

Jeffrey.robinson@aurecongroup.com



Students and Academics are selecting University's that share their commitment to Sustainability

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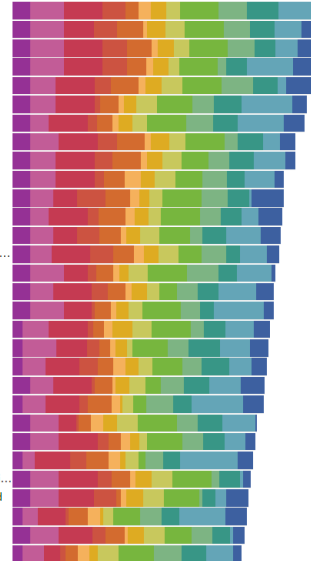


HOW SUSTAINABLE IS YOUR UNIVERSITY?

People & Planet's University League is the only comprehensive and independent league table of UK universities ranked by environmental and ethical performance. It is compiled annually by the UK's largest student campaigning network, People & Planet.

FIRST CLASS UNIVERSITIES

- 1 Nottingham Trent University
- 2 University of Brighton
- 3 Manchester Metropolitan University
- 4 Cardiff Metropolitan University
- 5 University of Worcester
- 6 Aston University
- 7 City, University of London
- 8= University of Gloucestershire
- 8= Newcastle University
- 10 Swansea University
- 11 University of Bedfordshire
- 12 Plymouth University
- 13 De Montfort University
- 14 London School of Economics And Pol...
- 15 Keele University
- 16= University of Exeter
- 16= Royal Agricultural University
- 18 University of Greenwich
- 19 University of Bradford
- 20 Bournemouth University
- 21 Coventry University
- 22 Edinburgh Napier University
- 23 University of Leeds
- 24 University of Bristol
- 25 SOAS, University of London
- 26 University of The West of England, Bri...
- 27 University of Wales Trinity Saint David
- 28 Glasgow Caledonian University
- 29 University College London
- 30 University of Leicester



Green Gown Awards Australasia

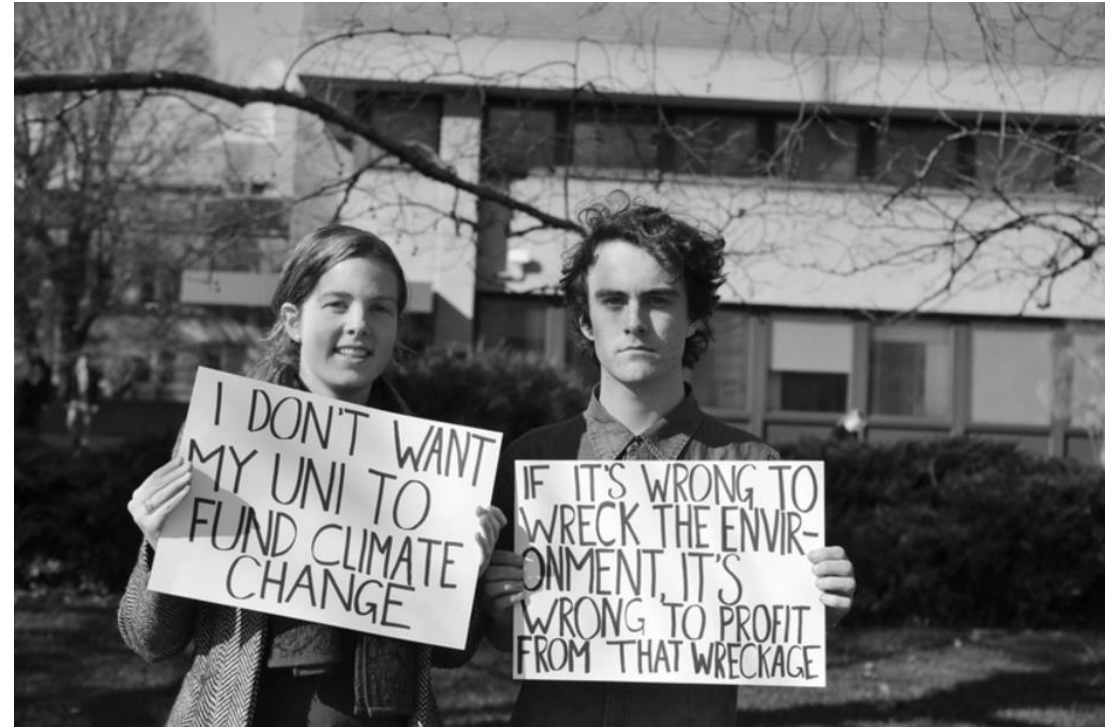


ABOUT THE AWARDS

The Green Gown Awards Australasia is the first and only Award Scheme dedicated to recognising excellence in sustainability within the tertiary education sector in Australasia. Now in their seventh year, the Awards are quickly being established as the most prestigious recognition of sustainability best practice within the tertiary education sector. As sustainability continues to move up the global agenda, the Green Gown Awards Australasia are providing the opportunity to recognise institutions, large and small and reward their sustainability actions and initiatives.

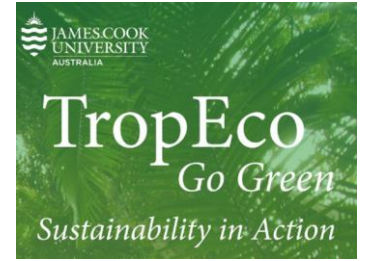
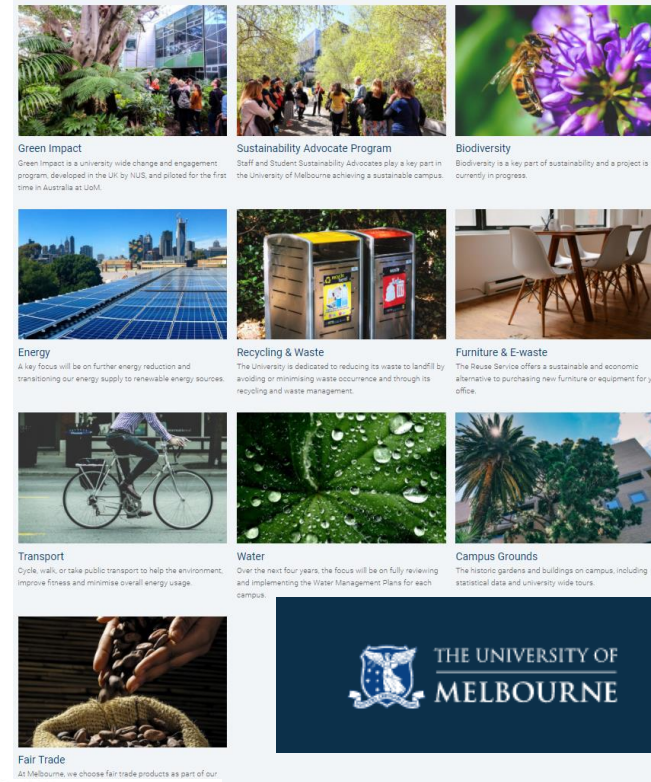
Students and Academics are selecting University's that share their Values

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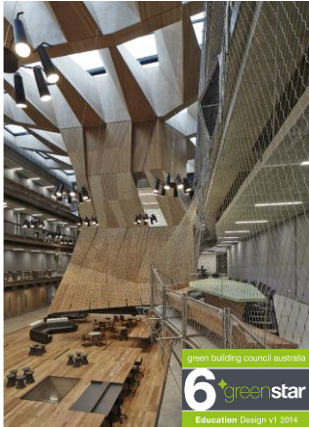
University Sustainability Programs

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Greenstar rated Education Buildings

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to life*

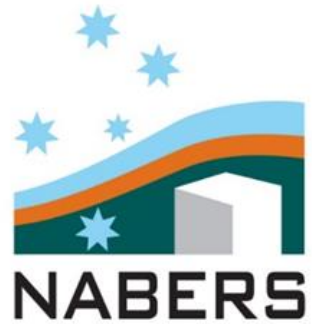


93 Tertiary Education
Projects Are
Green Star Rated



Two Major Trends impacting Green Buildings In Australia

Performance



Health & Wellness



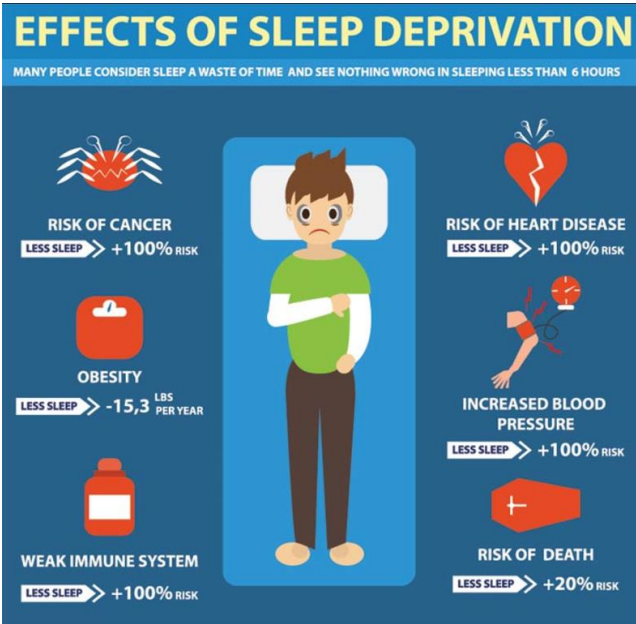
Health, Wellbeing &
Productivity in Offices
The next chapter for green building



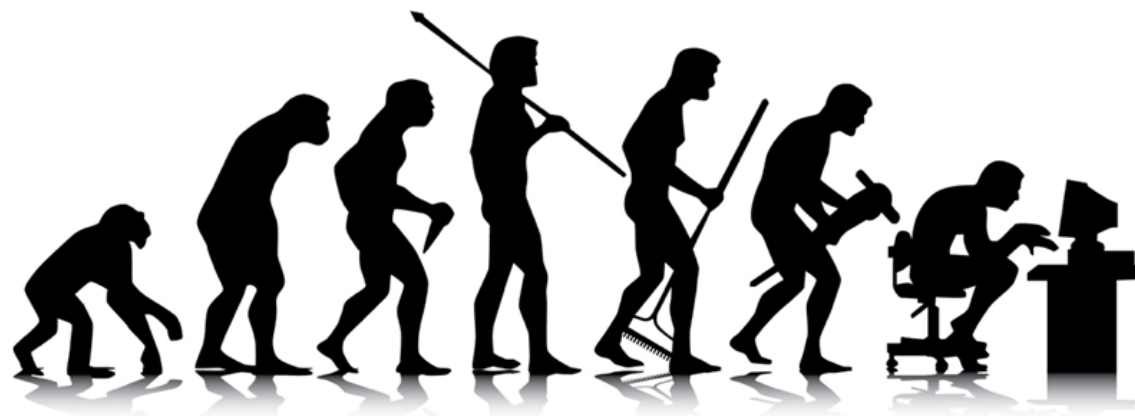
Many of us are living unhealthy lives

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heart disease
high blood pressure
OBESITY
cancer stroke diabetes



Our environment is changing how we live.



Physical inactivity is the 4th leading risk factor for mortality.

People are increasingly seeking healthier life styles

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HEALTH

You can't buy it.



Those who lack it
would give all their
wealth to possess it.





We spend 90%
of our time *indoors*.

Copyright © 2015 by International WELL

aurecon



**THE BUILDINGS WHERE WE LIVE, WORK,
LEARN AND RELAX PROFOUNDLY IMPACT
OUR HEALTH, WELL-BEING AND
PRODUCTIVITY.**

University Wellness Programs Support the Mental and Physical Health of their Staff and Students

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Smoke-free UQ



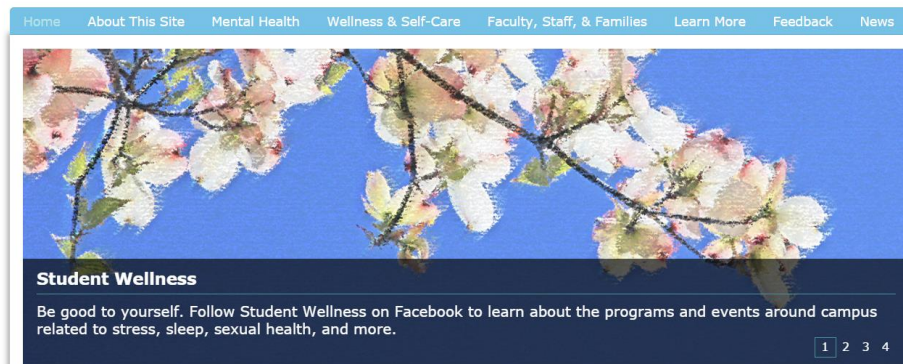
UQ Fitness Passport



Online Health Assessment



Student Wellness at Yale



30 Universities that are Leading the Way with Wellness Centers for Students



Promoting wellness of
mind and body
May 14 / 135



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Health, Wellbeing & Productivity in Offices

The next chapter for green building

SPONSORS:

JLL Lend Lease SKANSKA

WORLD GREEN BUILDING COUNCIL

BETTER PLACES FOR PEOPLE | PUT WELLBEING AT THE HEART OF YOUR BUILDING

WORLD GREEN BUILDING COUNCIL

BUILDING THE BUSINESS CASE:
Health, Wellbeing and Productivity in Green Offices
OCTOBER 2016



PROJECT LED BY:

CAMPAIGN SPONSORS:

ARUP B+H  LandSecurities 

M&S  SKANSKA uponor

WORLD GREEN BUILDING COUNCIL

Health, Well-being and Productivity is the Next Chapter in Green buildings

Architecture's next big thing: buildings that make us feel better

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ARCHITECTURE'S NEXT FRONTIER: YOU

Forget style, functionality and aesthetics: architecture's hot topic is how to design buildings that improve our health, both mental and physical. Cue indoor gardens, emotionally pleasing colour palettes, stairs in place of lifts ... even animal enclosures.

by Luke Slattery

THE EMBLEM of the next big thing in global architecture is a flight of stairs. Rising from the lobby of Fraser's Property's headquarters in Rhodes, cheek-to-suburban-cheek with Sydney's Olympic Park, this broad stairwell of palatial dimensions is softened by a suite of Mondrian-coloured couches - bold red, cream and yellow - cascading down its centre. Visitors and staff cross paths in this stepped atrium. They hang out on the groovy couches. There's really no choice, thanks to a slightly bossy design feature: the lifts are only for the disabled. For everyone else, the stairs are compulsory; the building, as a result, is one big step machine. The offices are designed on the principle that, as general manager Rolf Otter explains, "the built environment can directly affect your health". Fraser's \$9.8 million fit-out by Australian architects BVN, replete with 30 per cent sit-to-stand desks, daily fruit and vegetable deliveries, indoor plants and three-metre-high trees, gym, noise dampening and "eco-certified" furniture, is a shrine to the emerging school of "livability design". Livable buildings are the pivot from "now to next", as Carolinn Kuebler,

a green building-accredited associate at global architecture and design firm Gensler, puts it. "In the past five years or so, 'green' has moved from a planet-focused point of view to one that embraces the impact that the built environment and human activity have on both the planet and the people who live on it," she says. "Expect this shift to continue and accelerate exponentially as global awareness of this interdependency strengthens."

Green architecture has grown up. Its guiding metaphor is no longer the plant; it's the person. The same design philosophies find a home in the new Hjarke Ingels Group (BIG) design for Google's canopied Charleston East campus in Mountain View, California, now approved for construction. It will include a public park and plaza, walking trails, shops and "outdoor rooms". The building's canopy - a bit like a squashed bug bearing a sneaker imprint - is designed to regulate indoor climate, air quality and sound. On its website, BIG proclaims its allegiance to "a happy and focused Googler who can perform optimally while at work". The firm's spiel continues: "We think this starts with health and environmental quality: by allowing



Liveable buildings are the pivot from "now to next"

"In the past five years or so, 'green' has moved from a planet-focused point of view to one that embraces **the impact that the built environment and human activity have on both the planet and the people who live on it,**".

"Expect this shift to continue and accelerate exponentially as global awareness of this interdependency strengthens."

Carolinn Kuebler, a green building-accredited associate at Gensler

Green architecture has grown up. Its guiding metaphor is no longer the plant; it's the person.

PRESS RELEASE

Overview

- Corporate Information
- Executive Committee
- Senior Leadership Board
- Local Office Leadership

Media Centre

Our Offices

- Case Studies
- Achievements
- Client Tools
- Bull or Bear

Wellness the new focus for Australian office landlords

Sydney, 23 July 2015 – Wellness is the new focus for the office, retail, industrial and residential

This was one of the messages from today's breakfast panel presentation, CBRE's

In the breakfast panel presentation, CBRE's adapting to a changing business environment focus on wellness.

CBRE's global headquarters in Los Angeles factors such as access to daylight, circadian

Macquarie is pursuing similar WELL ratings Amanda Steele, said was part of a broader "location, location" to having one on "amenities"

"Clever landlords are scrambling to get ready for the future."

Ms Cranston agreed and said wellness was the new focus for the office, retail, industrial and residential

"It's changed the discussion from bricks & mortar to people."

"IT and finance, which are the growth sectors, workplaces have to be the platform for a competitive advantage."

Fellow panelist, Emil Joubert, CBRE's National Managing Director, said that in regard to accommodating wellness, was the new focus for the office, retail, industrial and residential

"There are massive opportunities ahead for the future," Joubert said.



Sections Jobs Business Property Sectors Politics Design & Tech Habitat eBooks

Who will be first with a WELL Building certificate in Oz?



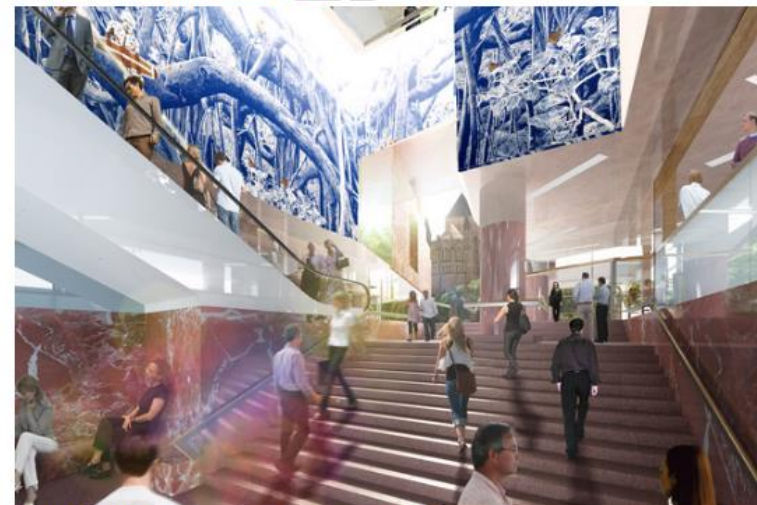
Healthy buildings includes nutrition advice, healthy food and veggie gardens

Tina Perinotto | 8 May 2015

UPDATED 8 MAY 2015: According to CBRE associate director Tor sweeping the commercial property world is wellness for employees nutrition advice, lessons in healthy cooking, a thriving veggie garden and more.

In Australia there's a race to be the first to be accredited with a certificate from the WELL Building Institute. Vying to create similar healthy workplaces with various (not yet registered) are Medibank at its 720 Bourke Street building in Melbourne, and another owner in Brisbane looking seriously at the

WELL building standard set to storm the property world



480 Queen Street in Brisbane will be pursuing a WELL rating

Tina Perinotto | 4 February 2016

The WELL Building Standard looks set to shake up the top end of the property industry as much as Green Star did when it burst onto the scene in 2002.

What is the WELL Building Standard?

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- The WELL Building Standard is an evidence-based system for measuring, certifying and monitoring the performance of building features to impart a positive impact on human health.
- WELL is the product of over seven years of research and development in conjunction with the Mayo Clinic, the Cleveland Clinic and leading **architects, scientists and wellness thought leaders.**

IWBI



The WELL Building Standard is administered by the International WELL Building Institute™ (IWBI™), a public benefit corporation whose mission is to improve human health and well-being through the built environment.



SCIENTIFIC



PRACTITIONER



MEDICAL



WELL is like a **NUTRITION LABEL** for your building, providing transparency on the quality of our built environment.



WELL Building Standard

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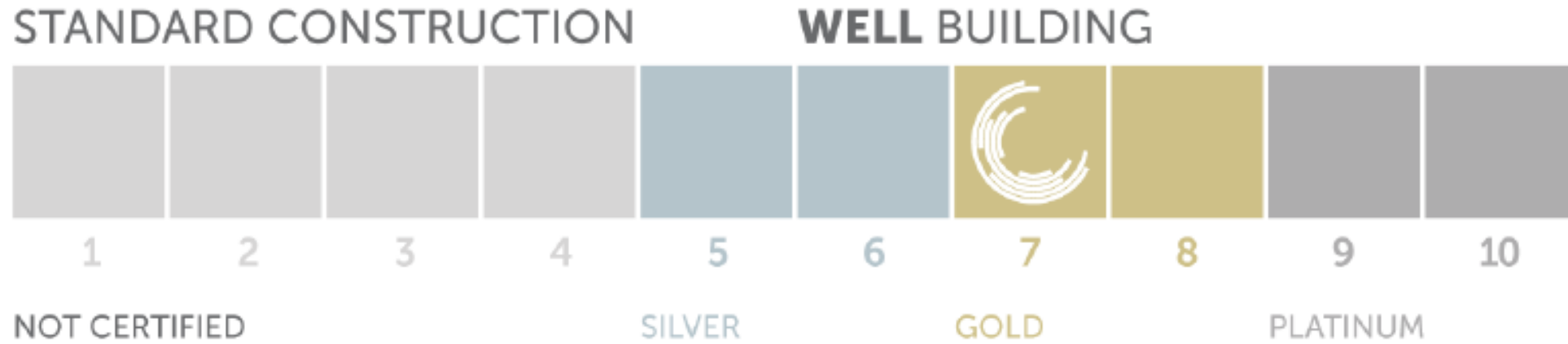
- Key Facts about WELL
 - System for measuring, certifying and monitoring health and wellbeing impacts of buildings based on scientific research
 - **Designed to complement other rating systems** such as Green Star & LEED
 - Has **105 performance metrics**, design strategies and procedures
 - **Requires on-site assessment & independent testing**
 - **Ongoing recertification**



WELL Certification Process



Ratings



■ Typologies for Offices



New and Existing Buildings



New and Existing Interiors



Core and Shell

Pilots

- Retail
- Multi Family Residential
- Education
- Restaurants
- Commercial Kitchen
- Communities

Construction
(Commissioning,
Testing, Air Quality
etc.)



**Operations & Maintenance
Initiatives**
(Inspections, cleaning,
pesticides etc.)

Design Initiatives
(HVAC, Lighting,
Biophilia, Daylight etc.)

Policies
(Leave, access to healthy
food, gyms etc.)

A COMPREHENSIVE APPROACH TO WELL-BEING

The WELL Building standard is made up of features that address seven concepts:



AIR



WATER



NOURISHMENT



LIGHT



FITNESS



COMFORT



MIND

What Really Matters – The Building Occupants

Muscular System



Cardiovascular System



Digestive System



Endocrine System



Immune System



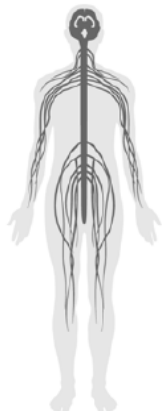
Integumentary System



Reproductive System



Nervous System



Respiratory System



Skeletal System



Urinary System



Body Systems Applied to WELL Features

This provides a simple way to express the built environment's complex impact on the Human body

What happens to your body when you sit for a prolonged period of time?

Calorie burning drops to less than
1 per minute.¹

Cardiovascular, endocrine, digestive, reproductive, respiratory, muscular, skeletal and nervous systems are
negatively affected.²

Prolonged sitting disturbs
mood, energy levels and productivity.³

¹Standing based of ce ork sho s encouraging signs of attenuating ost randial glycaemic e cursion. Buckley, J, et al. 2, s.l.: Occupational and Environmental Medicine, February 2014, Vol. 71, pp. 109-11. <http://www.ncbi.nlm.nih.gov/pubmed/24297826>. 10.1136/ oemed-2013-101823.

² IWB Fitness Wellography, Elements of Fitness: Physical Inactivity

³ Reducing Occupational Sitting Time and Improving Worker Health: The Take-a-Stand Project, 2011. Pronk, N, et al. s.l. : Preventing Chronic Disease, 2012, Vol. 9. http://www.cdc.gov/pcd/issues/2012/11_0323.htm. 110323.



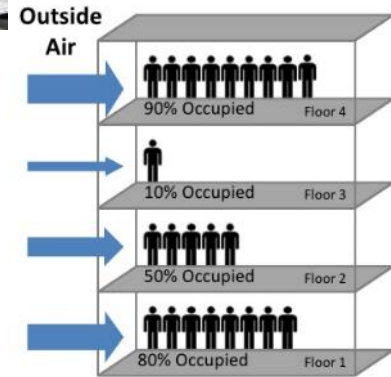
Air

PRE-CONDITIONS

- **AIR QUALITY STANDARDS**
(i.e. formaldehydes, VOCs, particulate matter, inorganic gases and radon)
- **SMOKING BAN**
- **VENTILATION EFFECTIVENESS**
(i.e. ASHRAE 62.1, demand controlled ventilation & system balancing)
- **VOC REDUCTION**
(i.e. paints, sealants, flooring, insulation, furniture and furnishings)
- **AIR FILTRATION**
(i.e. future carbon filters, filter efficiency MERV 13+ & filter maintenance)
- **MICROBE AND MOLD CONTROL**
(i.e. UV lamps on coils & mould inspections)
- **CONSTRUCTION POLLUTION MANAGEMENT**
(i.e. duct protection, filter replacement & VOC absorption management)
- **HEALTHY ENTRANCE**
(i.e. permanent entry walk off features and air seals)
- **FUNDAMENTAL MATERIAL SAFETY**
(i.e. asbestos, lead, PCBs and mercury)



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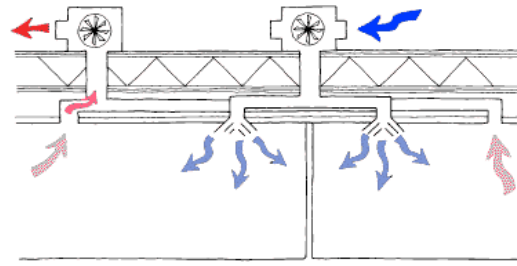


A modern, bright office interior with large windows, whiteboards, and ergonomic desks. The room features a high ceiling with circular pendant lights and a patterned carpet. Large windows on the left and back walls provide a view of greenery outside. Several whiteboards are mounted on the walls, and ergonomic desks with yellow accents and black chairs are arranged in the room.

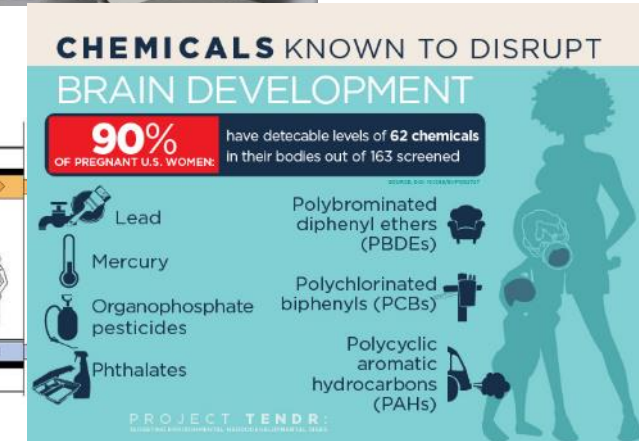
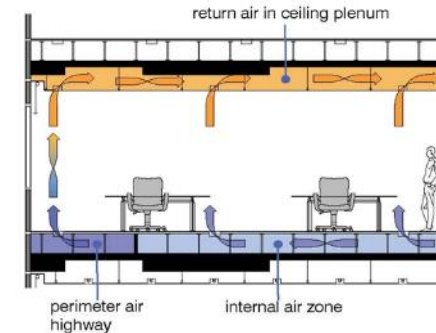
Cognitive performance scores averaged 101 percent higher in green buildings

Air OPTIMISATIONS

- **AIR FLUSH**
- **AIR INFILTRATION MANAGEMENT**
- **INCREASED VENTILATION**
(i.e. increased outdoor air supply)
- **DIRECT SOURCE VENTILATION**
(i.e. isolation and exhaust of photocopying, kitchen and vehicle pollutants)
- **AIR QUALITY MONITORING AND FEEDBACK**
(i.e. air monitoring and display of environmental information)
- **OPERABLE WINDOWS**
(i.e. occupant control and outdoor air measurement & triggers)
- **DISPLACEMENT VENTILATION**
- **TOXIC MATERIAL REDUCTION**
(i.e. limiting perfluorinated compounds, flame retardant, phthalate (plasticizers), urea-formaldehyde)
- **ENHANCED MATERIAL SAFETY**



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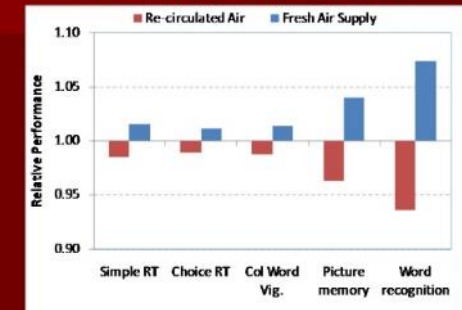


Beware
photocopier
hazard



**Material
Safety
Data
Sheets**

Performance with Fresh and Recirculated Air



Water

PRE-CONDITIONS

- **WATER QUALITY**

sediment

microorganisms

inorganic contaminants

organic contaminants

agricultural contaminants

additives

OPTIMISATIONS

- **PERIODIC WATER QUALITY TESTING**

(i.e. quarterly testing for contaminants)

- **WATER TREATMENT**

organic chemicals

sediments

microbes

legionella

- **DRINKING WATER PROMOTION**

(i.e. access to drinking water and water taste)



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Clean water every time



Nourishment

PRE-CONDITIONS

- **FRUITS AND VEGETABLES**

(i.e. supply, variety and promotion of fruits & vegies)

- **PROCESSED FOODS**

(i.e. refined ingredient restrictions & trans fat ban)

- **FOOD LABELLING**

(i.e. allergies, artificial ingredients, total calories, macro / micro nutrient content & total sugar content)

- **CONTAMINATION**

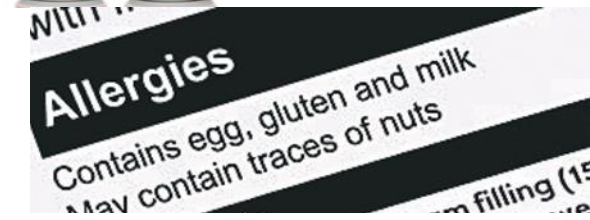
(i.e. cold storage, hand washing)

- **FOOD ADVERTISING**

(i.e. encourage whole and natural foods and discourage sugar & fat)



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per 30g cereal:					
16 SERVINGS	ENERGY 460kJ 110kcal 6%	FAT 0.7g LOW 2%	SATURATES 0.1g LOW 1%	SUGARS 5.1g HIGH 6%	SALT 0.2g MED 4%
% of an adult's reference intake. Typical values per 100g: Energy 1530kJ/360kcal					



Nourishment

OPTIMISATIONS

- **SAFE FOOD PREPARATION MATERIALS**
(i.e. cutting surfaces and storage capacity)
- **SERVING SIZES**
(i.e. meal sizes and dinnerware sizes)
- **SPECIAL DIETS**
(i.e. food alternatives)
- **FOOD PRODUCTION**
(i.e. sustainable & humane agriculture, gardening space)
- **MINDFUL EATING**
(i.e. eating areas to accommodate 20% of employees)



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Light

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PRE-CONDITIONS

- **VISUAL LIGHTING DESIGN**

(i.e. lighting levels, zoned lighting systems and brightness contrasts between task surfaces and the surrounding area)

- **CIRCADIAN LIGHTING DESIGN**

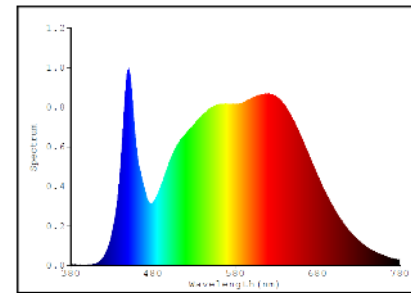
(i.e. melanopic light intensity)

- **ELECTRIC LIGHT GLARE CONTROL**

(i.e. shielding bare lamps and minimising glare)

- **SOLAR GLARE CONTROL**

(i.e. minimising glare through internal and external shading)



A modern office lounge area with large windows on the left. A woman is reclining in a white and brown armchair in the foreground. In the background, there is a pool table, a staircase with glass railings, and other people sitting on orange modular sofas. The floor has a pattern of red and yellow squares.

46 minutes more sleep on average for office workers with windows

Fitness

PRE-CONDITIONS

- **INTERIOR FITNESS CIRCULATION**
(i.e. stair accessibility, stairs promotion & facilitative aesthetics)
- **ACTIVITY INCENTIVE PROGRAMS**
(i.e. subsidised gym membership)

OPTIMISATIONS

- **STRUCTURED FITNESS OPPORTUNITIES**
(i.e. providing fitness classes)
- **EXTERIOR ACTIVE DESIGN**
(i.e. pedestrian amenities, pedestrian promotion & Walk Score)
- **PHYSICAL ACTIVITY SPACES**
(i.e. external exercise spaces)
- **ACTIVE TRANSPORTATION SUPPORT**
(i.e. end of trip facilities)
- **FITNESS EQUIPMENT**
(i.e. cardio & strength exercise equipment)
- **ACTIVE FURNISHINGS**
(i.e. sit-stand desks, treadmill desks)



Walk Score
92
2 Locomotive Street
Walker's Paradise
Sydney

Nearby Apartments Save

Restaurants:

Bytes Cafe .09km

Uchi Cafe .08km

Bars:

ABBOTTS HOTEL .48km

Groceries:

Tutti Fruiti .3km

Parks:

The Jack Shuttleworth Reserve .4km

Schools:

Participate Film Academy .13km

Shopping:

Bushman Clothing Co .3km

Entertainment:

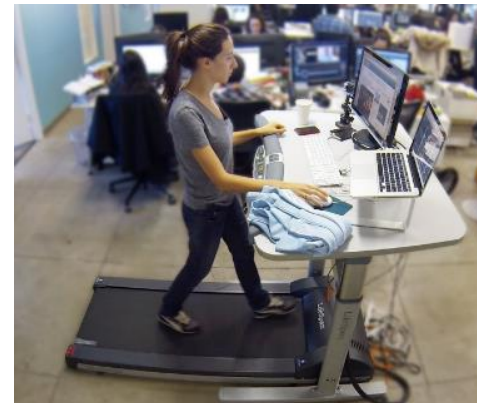
Participate Film Academy .09km

Errands:

Australia Post - Alexandria Pos... .2km

Search Nearby:

Where do you commute? Go



Comfort

PRE-CONDITIONS

○ ACCESSIBLE DESIGN STANDARDS

(i.e. DDA compliance)

○ ERGONOMICS

(i.e. screen, desk & seat flexibility)

○ EXTERIOR NOISE INTRUSION

(i.e. noise intrusion)

○ INTERNALLY GENERATED NOISE

(i.e. acoustic planning and mechanical equipment sound levels)

○ THERMAL COMFORT

(ASHRAE comfort standards)

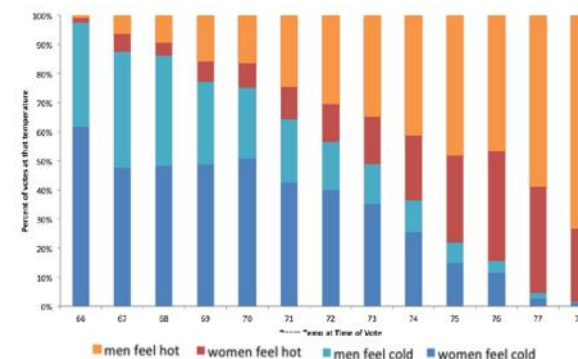
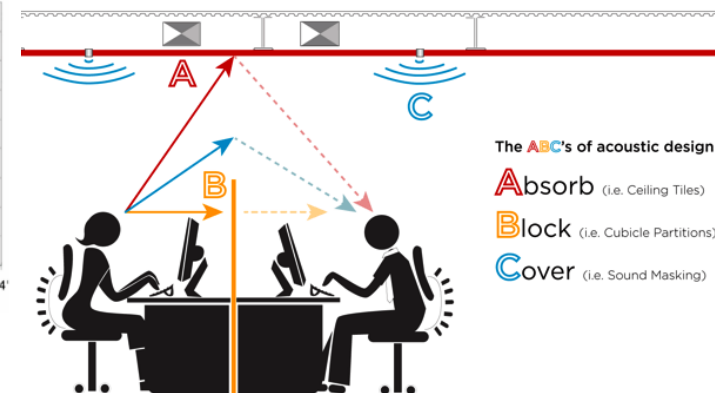
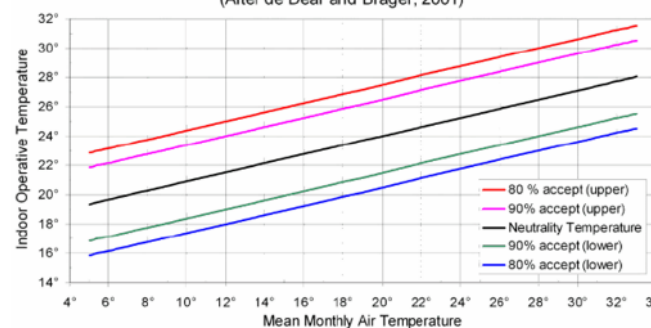


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UNIVERSAL DESIGN:

Making Design Accessible To Everyone In Society.

Adaptive Comfort Standard
(After de Dear and Brager, 2001)



Mind

PRE-CONDITIONS

- **HEALTH AND WELLNESS AWARENESS**
(i.e. building guides and wellness library)
- **INTEGRATIVE DESIGN**
(i.e. collaborative design process)
- **POST-OCCUPANCY SURVEYS**
- **BEAUTY AND DESIGN**
(i.e. human delight, celebration & public art)
- **BIOPHILIA**
(i.e. nature & pattern incorporation and nature interaction)



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Indoor Environmental Quality
Building Name



Mind

OPTIMISATIONS

- **ADAPTABLE SPACES**
- **HEALTHY SLEEP POLICY**
- **BUSINESS TRAVEL**
(i.e. restriction on red-eye flights)
- **BUILDING HEALTH POLICY**
(i.e. health benefits)
- **WORKPLACE FAMILY SUPPORT**
(i.e. parental leave and child care)
- **SELF-MONITORING**
(i.e. sensors and wearables)
- **STRESS AND ADDICTION TREATMENT**
- **ALTRUISM**
(i.e. charitable activities and contributions)
- **MATERIAL TRANSPARENCY**
- **ORGANIZATIONAL TRANSPARENCY**



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WELL Commissioning

○ Timing

All design documents submitted for review
Minimum 50% occupancy
At least 1 month after OC issued

○ Accredited WELL Assessor (AWA)

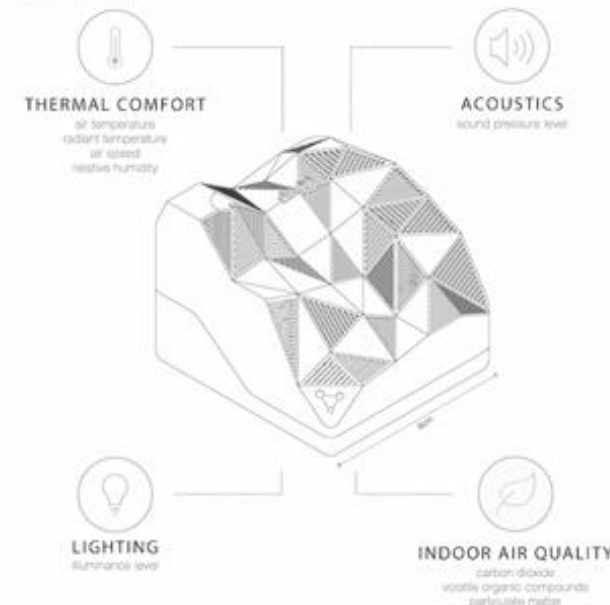
○ Performance Testing

Air Quality (i.e. organic & inorganic gases and particulates)
Water Quality (i.e. dissolved chemicals and suspended solids)
Light Attributes (i.e. colour temperature, intensity and spectral power distribution)
Thermal Considerations (i.e. ambient / radiant temperature, air speed and humidity)
Acoustic Elements (i.e. decibel levels and reverberation)



SAMBA Monitoring Station By IEQ Analytics

Prof. Richard de Dear & Thomas Parkinson
The University of Sydney

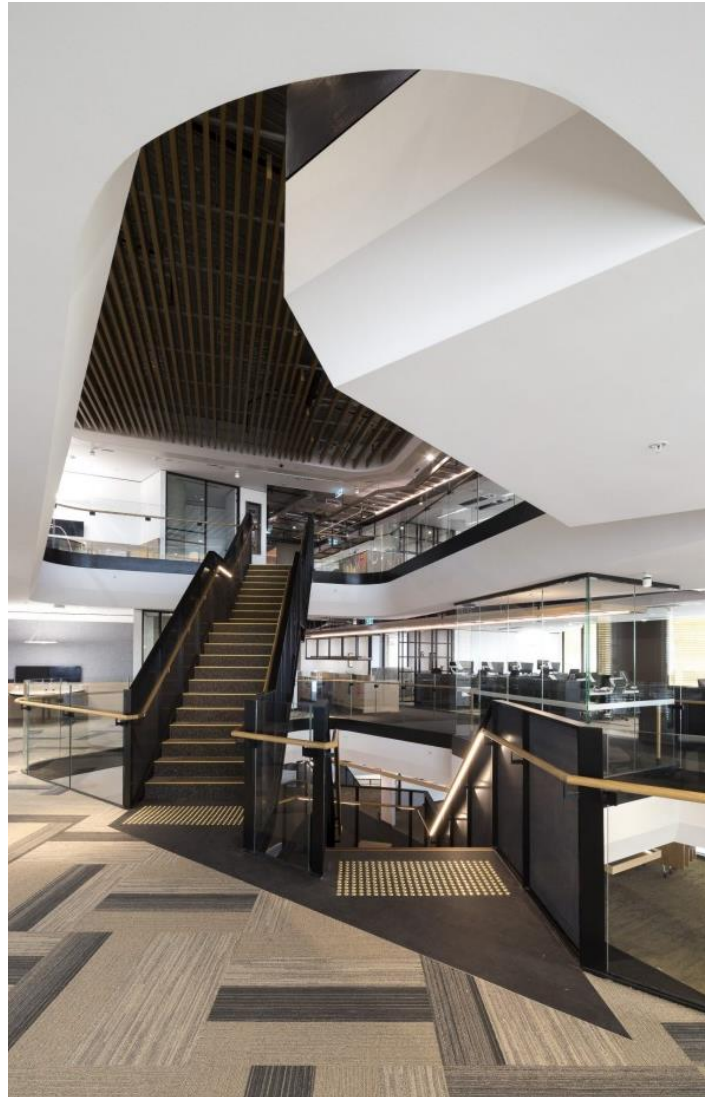




CBRE Headquarters
Los Angeles, CA | USA

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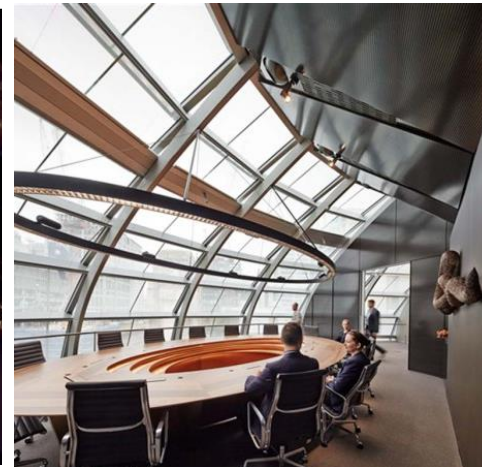
Mirvac's New Offices at 200 George Street Achieves Australia's First Gold Rating



- **SAMBA sensors** monitor air quality and create the optimal indoor air quality
- Mirvac's café, **The Song Kitchen**, provides healthy food & 100 per cent of profits go to services and programs that support women and children experiencing domestic violence)
- A dedicated **health and wellness educational seminar** educate staff on health and wellbeing
- Around **1171 plants** are in the tenancy – more than one plant per person

50 Martin Place applied for a WELL Rating

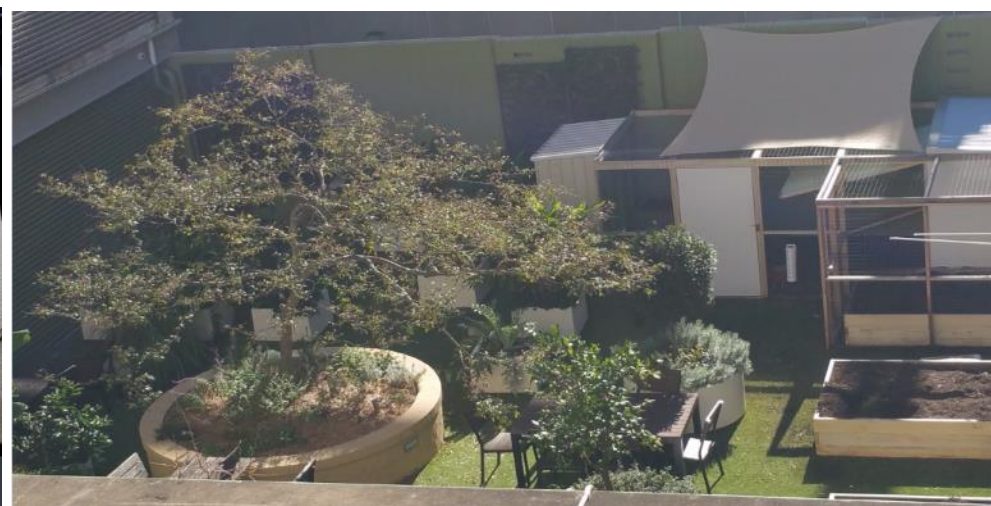
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to life*



- Largest Heritage
- 6 Green Star Rating
- New glass dome
- Flexible spaces for informal meetings, training, and events
- Low sugar food served in the café
- Yoga classes, music rooms, fitness facilities, mindfulness training programmes, a choir
- A roof top garden with chickens, beehives, and vegetables



Beekeepers Doug Purdie, right, and Vicky Brown from The Urban Beehive with hives they manage on the roof of Macquarie Group's 19 Elizabeth St building. Ben Rushton



Lend Lease's New Workspace in International Tower 3 Barangaroo South



5 star NABERS +
6 Star Green Star + Targeting
WELL



At Lendlease's International Tower Three at Barangaroo South in Sydney,
a focus on wellness for occupants and employees:

-  Nutritious food served in the café
-  1,000 bike racks
-  40% of work stations are stand-up desks
-  6m high green wall with more than 5,000 plants



Fraiser's Property HQ at Rhodes Corporate Park Targeting a WELL rating



5 star NABERS +
5 Star Green Star + Targeting
WELL

One Malop St
Quintessential Equity
Geelong, Victoria
Australia



2-16 Northumberland St
Grocon
Collingwood, Victoria
Australia



An architectural rendering of a modern multi-story building. The building features a prominent glass facade on the right side, reflecting the sky and clouds. To the left of the glass section is a portion of the building with a textured, copper-colored facade. The building is set against a clear blue sky with some light clouds. In the foreground, there are green trees and foliage. The overall scene is bright and sunny.

5 King Street
Aurecon
Fortitude Valley, QLD, Australia

About 30% of Initiatives between Green Star and WELL are common

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The GBCA and IWBI are partnering to deliver Green, Healthy Buildings in Australia

Green Star & WELL Building Standard™

Approaches to buildings
or fitouts seeking a dual rating



Air

Outdoor Air Supply, VOC
Reduction, Construction Pollution
Management, Hazardous
Materials, Building Airtightness
Testing

Light

Electric Light Glare Minimisation,
Solar Glare Control, Views,
Daylighting

Fitness

Walkscore, End of Trip Facilities

Comfort

Acoustics, Thermal Comfort

A WELL Rating = Green Star + a bit

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Achieving as WELL Gold in an Education facility is not that much more than a 5-6 Star GS rating. Assuming all preconditions are dealt with

Project:	Melbourne Conservatorium of Music (MCM)
Tool:	WELL BUILDING STANDARD® Summary
Document:	Credit Summary
Author:	Aurecon
ESD:	Jess Bennett
Revision:	0
Date:	12-Sep-17

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Feature		Typology	Targeted in Proposed Building?		Compliance Strategy, Comments	Responsible Discipline
#	Name	Educational	✓ = TBC	Risk or Difficulty		
Air						
1	Air quality standards	P	TBC			ALL
2	Smoking ban	P	✓			Project Owner
3	Ventilation effectiveness	P	✓			Mechanical
4	VOC reduction	P	✓			ALL
5	Air filtration	P	TBC			Mechanical
6	Microbe and mould control	P	TBC			Facility Management
7	Construction pollution management	P	✓			Head Contractor
8	Healthy entrance	P	✓			Architect
9	Cleaning protocol	P	TBC			Facility Management
10	Pesticide management	P	TBC			Facility Management
11	Fundamental material safety	P	✓			Head Contractor
12	Moisture management	P	✓			ALL
13	Air flush	O	✗			Head Contractor
14	Air infiltration management	O	✗			Head Contractor
16	Humidity control	O	✗			Mechanical
17	Direct source ventilation	O	✓			Mechanical
18	Air quality monitoring and feedback	O	✗			Facility Management
19	Operable windows	O	✗			Architect & Mechanical
20	Outdoor air systems	O	✗			Mechanical
21	Displacement ventilation	O	✗			Mechanical
22	Pest control	P	TBC			Facility Management
23	Advanced air purification	O	✗			Mechanical
24	Combustion minimization	O	✗			Head Contractor & Mechanical
25	Toxic material reduction	O	✗			ALL
26	Enhanced material safety	O	✗			Architect
27	Antimicrobial surfaces	O	✗			Architect
28	Cleanable environment	O	✗			Facility Management
29	Cleaning equipment	O	✗			Facility Management
TOTAL OPTIMISATIONS			15	1	7% of Category Optimisations achieved	
Water						
30	Fundamental water quality	P	TBC			Hydraulics
31	Inorganic contaminants	P	TBC			Hydraulics
32	Organic contaminants	P	TBC			Hydraulics
33	Agricultural contaminants	P	TBC			Hydraulics
34	Public water additives	P	TBC			Hydraulics
35	Periodic water quality testing	O	✗			Facility Management
36	Water treatment	O	✗			Hydraulics
37	Drinking water promotion	O	✗			Hydraulics
TOTAL OPTIMISATIONS			3	0	0% of Category Optimisations achieved	
Nourishment						
38	Fruits and vegetables	P	✓			Project Owner
39	Processed foods	P	✓			Project Owner
40	Food allergies	P	✓			Project Owner
41	Hand washing	O	✓			Architect & Hydraulics
43	Artificial Ingredients	P	✓			Project Owner

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WELL Education Projects

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Standard
(-)
Education

Version
Pilot (6)

Status
Registered (6)

State / Province
California (3)
Florida (1)
New Brunswick (1)
New Jersey (1)

Country
United States (5)
Canada (1)

WELL Projects



Private Project
New Jersey, United States

REGISTERED 20,360 SQ FT



Private Project
Florida, United States

REGISTERED 2,450 SQ FT



Private Project
New Brunswick, Canada

REGISTERED 60,000 SQ FT



Sonoma Academy Grange Studios
California, United States

REGISTERED 17,000 SQ FT



YMCA Stonestown
California, United States

REGISTERED 10,775 SQ FT



Untitled No. 1 School
California, United States

REGISTERED 6,500 SQ FT

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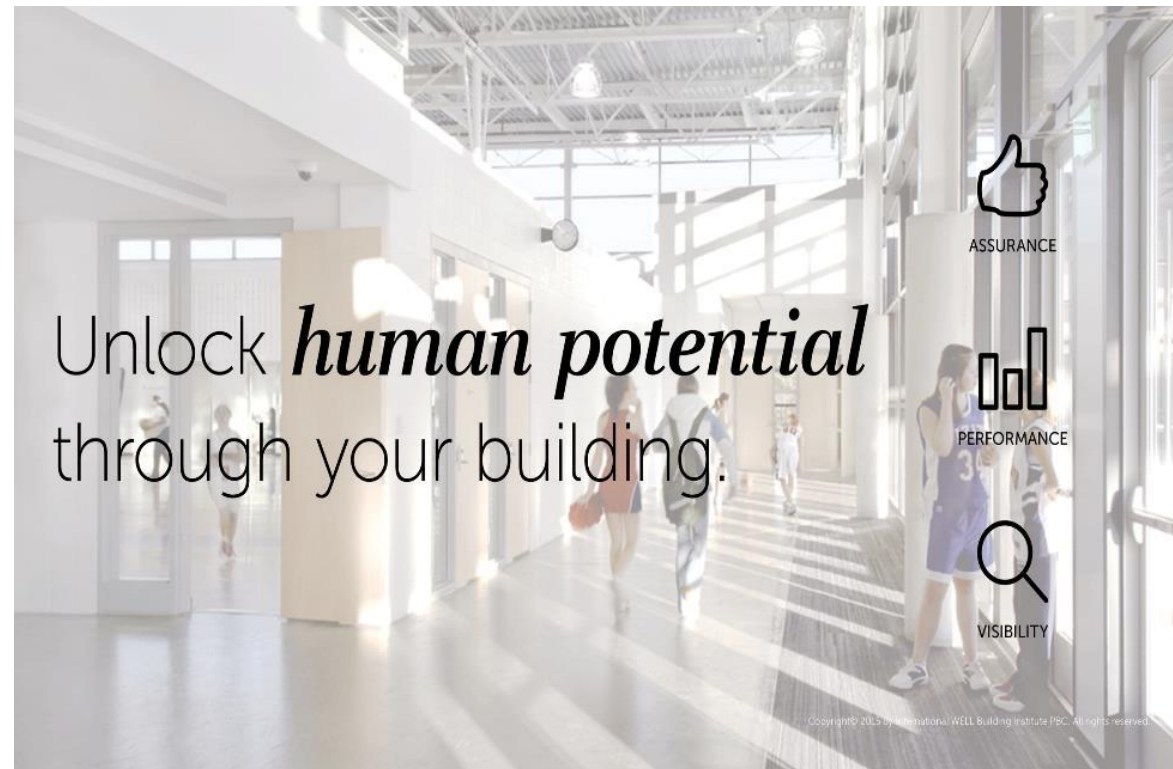
An architectural rendering of the Sonoma Academy Grange Studios. The building is a two-story structure with a prominent wooden facade and large glass windows. It features a wide, covered outdoor area on the upper level. In front of the building is a large, landscaped courtyard with winding paths, trees, and greenery. Several people are shown walking and sitting in the courtyard, giving a sense of scale and activity. The background shows a rolling hillside under a clear sky.

Sonoma Academy Grange Studios
Targeting LEED Platinum, Living Building Challenge and
WELL Building Certification

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Conclusions

- Universities are embracing sustainable buildings and Campuses as Core business
- They are also promoting Wellness for Staff and Students
- Health, Well Being and Productivity is the Next Chapter in Green Buildings
- The WELL Building Standard is creating great interest because of its focus on creating healthy and productive workplaces for building occupants
- Designed to complement other rating systems such as Green Star
- The on-site assessment & independent testing ensures that workplaces remain healthy
- We need to adapt our buildings to provide conditions that are closer to our natural Habitat
- In a WELL certified building Going to Work/ Study can make you healthier



Is your University ready for
the Wellness Revolution?

Thank you
For further information contact

Jeffrey.robinson@aurecongroup.com



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