



## Built Ecology

### Who are we?

- Rebranded from Advanced Environmental on 19<sup>th</sup> February 2010
- Specialist studios in 5 locations. These include Melbourne, London, San Francisco, Sydney and most recently Brisbane.
- A Specialist Environmental Consultancy of WSP Lincolne Scott
- We have been transforming sustainability within the built environment for over 14 years



Birraban Aboriginal Studies Building  
University of Newcastle



## Why Build Green Schools?



Melbourne Grammar Nigel Peck Centre



## Why Build Green Schools?

The education business case



Gungahlin School - Canberra



Gungahlin School - Visual Comfort Modelling



## Why build Green Schools?

### Transformation of Society

- Teaching our future leaders
- Creating environmental awareness and understanding:
  - Using fewer resources,
  - generating less waste,
  - water and nutrient cycles
- Using the facility as part of the syllabus
- Teaching behaviours
- Setting comfort expectations



Williamstown High School  
Image Courtesy of Spowers



Queenwood School for Girls  
Image Courtesy of Architectus



## Why Build Green Schools?

### The economic argument

- Education results and student attraction
- Staff focus
  - Attracting and retaining good staff
  - Emphasis on the occupant experience and good IEQ
  - Private spaces
- Built Form
  - Lower outgoings
  - Passive design over active



The University of Melbourne Economics and Commerce Building



## Why Build Green Schools?

We have one planet



Wendouree Performing Arts Centre



NIDA, University of NSW



Olivia Newton-John Cancer & Wellness Centre, Image courtesy of Jackson Architecture



Melbourne Convention and Exhibition Centre



## What does a Green School look like?



The University of Sydney Faculty of Law Building, Image courtesy of John Gollings



Kingston High School, Tasmania

- Responsive to its brief and climate
- Building form and envelope integrated with the HVAC solution
- Takes advantage of the opportunities of the site
- Responds to the site constraints
- Reduced site emissions
- Reduced energy usage
- Conserves water
- Integrated transport approach



