



Australian Government  
Australian Trade Commission



## GREEN BUILDING AUSTRALIA

**COSTRUIAMO OGGI PER SOSTENERE DOMANI**

Tim Gauci

Australian Consul General & Senior Trade Commissioner

# Thank you for coming!



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# AUSTRALIA TODAY

- 6 States and two territories
- *Capital:* Canberra
- *Language:* English
- *Money:* Australian dollar  
\$A1 = approx. €0.60
- *Size:* 7,69 million km<sup>s</sup> (Italy fits into Australia 25 times)
- *Population:* approx. 20 million (5% of the population is of Italian origin)



# CLEAN ENERGY - AUSTRALIA

- **Australia's clean technology industries are poised for growth**
- **Renewable energy resources, supported by world-class research and industry knowledge**
  - 90 per cent of Australia absorbs over 1,950 KWh of sunlight per metre per year
  - Hottest non-volcanic geothermal environment in the world with temperatures of 280°C at 5km under the surface
  - Strong westerly winds, up to 10 metres per second, buffet southern Australia
  - Wave energy capacity of 170,000MW
  - Plenty of economical feedstock for biofuels and abundant and available biomass
  - Large landmass suitable for clean energy infrastructure
  - World-class research and development expertise
  - Advanced science and technology for biological, chemical and mechanical testing.



# Australian Government action on climate change

- Carbon Pollution Reduction Scheme (Emissions Trading Scheme) on 1 July 2011
- Renewable Energy Target (RET)
- Australian Government commitment of funds and building demonstration projects:
  - Solar Flagships Program
  - Carbon Capture and Storage (CCS) Flagships Program
  - R&D
  - ‘Water for the Future’



# Australian Government action on climate change

- **Renewable Energy**
- **Carbon Capture and Storage**
- **Carbon Trading**
- **Clean Technologies and Services**



## Our Challenge – and our opportunity

- The World Green Building Council (WGBC) was founded in 2002. The Green Building Australia Council was also constituted in 2002.
- President WGBC, Tony Arnell - another Australian
- Today's urban population of 3.5 billion will rise to 5 billion within the next 20 years
- Cities occupy only 2% of the world's land mass yet responsible for more than two-thirds of energy use and global greenhouse gas emissions
- New sustainable frameworks required that look beyond the building envelope
- Australia introduced Green Star environmental rating tools in 2003
- Today, 11% of Australia's Central Business District (CBD) is green star certified
- Australia's vision is of sustainable communities support & enhance the lives of people today, contribute to better lifestyles in the future



**That's our challenge – and our opportunity!**



# Why Australia?

- Australia at the forefront of sustainable 'green and dry' building practices
- Architects, engineers, designers, specifiers, planners, developers and builders recognise the need to meet environmental and commercial needs without affecting future generations
- Australia is the most highly urbanised country on earth
- Australia faces harsh, ongoing environmental challenges –



***we live on the driest continent***







# Australian capability



ENGINEERS  
AUSTRALIA



- Australia has all professions necessary to deliver world-class 'green and dry' buildings
- These include architects, engineers, interior designers, specifiers, as well as energy, landscape and water consultants
- Many involved in providing world-class consulting services to international clients for several decades
- Australian architects and engineers played a major role in shaping the sustainability credentials of the 2008 Beijing Olympics.



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# Government regulations & vision

- Regulations are having a steady and rising impact on ‘green and dry’ building projects
- Stringent standards called Green Star ratings – set by the GBCA. Based on BREEAM and LEED Systems
- Australia sets three Green Star standards:
  - Four Stars – denoting best practice
  - Five Stars – denoting Australian excellence
  - Six Stars – denoting world leadership
- 84 per cent of Australian architects, developers, contractors and building owners are now involved in green building projects



# Key Australian 'green building' organisations

- **Green Building Council of Australia** ([www.gbcaus.org](http://www.gbcaus.org))
- **Co-operative Research Centre For Constructive Innovation** ([www.construction-innovation.info](http://www.construction-innovation.info))
- **EcoSpecifer** ([www.ecospecifier.org](http://www.ecospecifier.org))
- **CSIRO** ([www.csiro.au](http://www.csiro.au))

Austrade is well connected with these organisations, and can put international customers in contact with Australian organisations selling 'green' building products or providing environmentally sustainable services. Australia also has a strong and growing list of 'green' building suppliers.



# Australian products & expertise

Today we are proud to present some of our finest and most innovative exports in the industry. You will hear from:

- Nadia Boschi representing **Bovis Lend Lease**
- Andrea Minerdo representing **Aconex**
- Mario Rosetto representing **Centor Architectural**
- Claudia Bettiol representing **Dyesol**
- Francesco Piazza representing **Ecosmart Fire – The Fire Company**
- Mara Merico representing **Gineico –Quietwave** Acoustica.
- Alberto Croci representing **Solahart**
- **Forma-Tech** seeking an Italian partner





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For further information please contact:

**Tim Gauci**  
**Consul General & Senior Trade**  
**Commissioner, Milan**  
[tim.gauci@austrade.gov.au](mailto:tim.gauci@austrade.gov.au)

**Sara Covino**  
**Business Development Manager, Milan**  
[sara.covino@austrade.gov.au](mailto:sara.covino@austrade.gov.au)

