



COSTRUIAMO OGGI PER SOSTENERE DOMANI

Tim Gauci

Australian Consul General & Senior Trade Commissioner

Thank you for coming!





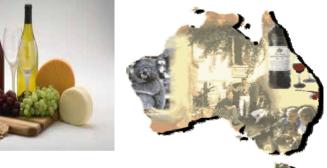
















AUSTRALIA TODAY

- 6 States and two territories
- Capital: Canberra
- Language: English
- Money: Australian dollar
 \$A1 = approx. € 0.60
- Size: 7,69 million km^s (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

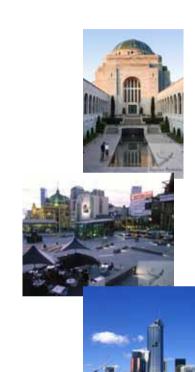
- Renewable Energy
- Carbon Capture and Storage
- Carbon Trading
- Clean Technologies and Services



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 has all professions necessary to deliver worldclass '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.

AUSTRALIA

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





Key Australian 'green building' organisations

- Green Building Council of Australia (<u>www.gbcaus.org</u>)
- Co-operative Research Centre For Constructive Innovation (<u>www.construction-innovation.info</u>)
- EcoSpecifer (<u>www.ecospecifier.org</u>)
- CSIRO (<u>www.csiro.au</u>)

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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