



Vertical Gardens & Green Roof Systems



Atlantis Aurora

ENVIRONMENTAL DESIGN • PROJECT MANAGEMENT • CONSTRUCTION SERVICES

The Atlantis Vision

The Atlantis vision is to build green cities, towns and urban development using a multidisciplinary approach that provides integrated environmental design for long term sustainable outcomes.

Atlantis Green City Concept

Atlantis cities are designed to intergrate and combine the environmental impact of buildings, dwellings, roads, parks and other amenities to deliver sustainable green cities.

Atlantis cities are highly efficient and superior in environmental outcomes when compared to adhoc development or individual environmental projects developed in isolation of a green master-plan.



Atlantis has international experience in design and construction. We operate in 53 countries over five continents.

Multidisciplinary Approach

Atlantis Environmental design combines architecture, geography, urban planning, town planning, landscape architecture, interior design and psychology to deliver solutions for ecological and sustainable urban development.

Atlantis Specialise In:

- Green Building Design
- Urban Flood Mitigation
- Urban Wind Mitigation
- Urban Landscaping
- Environmental Master Planning
- Roof Garden Design
- Vertical Garden Design
- Stormwater Management
- Water Collection & Reuse
- Bio Remediation

Atlantis Project Management

Atlantis Project Management

Our International team provides creative support and technical expertise on all environmental matters. Our in house specialists and partners deliver state of the art environmental solutions.

Today's projects demand a management approach that consistently provides quality outcomes in short time frames.

Atlantis project management is based on international standards and our extensive technical knowledge is the accumulation of 35 years work with our international partners.

Our unique inspection and test plans provide accountability at all stages of your project. Atlantis delivers solutions and project management with no surprises.



When you engage Atlantis you get the backing of an established global organisation with immediate contact with our local representatives who will develop your solution.

Environmental Design

With 35 years of experience building green infrastructure we have a lot to offer our clients. We are the green experts.

Atlantis develops strategies to improve the aesthetics of the cities by introducing greenery and pervious surfaces. Essential benefits include, air quality, capture and attenuation of storm water.

Atlantis services are cost effective and our solutions are long lasting, reducing the total development cost of projects. We are experts in environmental fields of green infrastructure, water management, biodiversity, horticulture, rooftop farming and the ecology of green cities.

WE PROVIDE:

Governments with ecological sustainable outcomes. Our projects treat water and contamination at the source which benefits the surrounding land natural waterways.

Business with corporate social responsibility outcomes. We provide the local community with functional and beautiful green resources to increase a sense of wellbeing and the environmental impact of the development.

Designers with suite of cost effective solutions to add environmental benefits and outcomes to their designs.

Contractors with state of the art products, unique environmental design solutions and international experience in all climates.

Green roof and wall habitats

Green roof habitats have significant potential to bring back biodiversity and provide ecosystem services in urban areas, and in particular, the city centre. Walls provide ideal places for nesting boxes. Roofs can provide the necessary habitat for a range of invertebrate and vertebrate species.

Atlantis Design Services provide solutions to provenance flora and fauna worldwide.

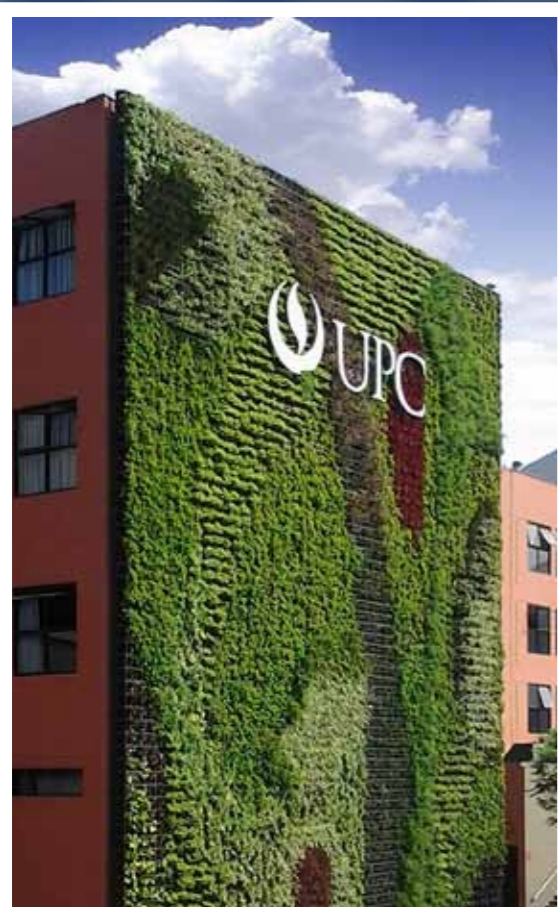


Water is essential to life and is easily incorporated with Atlantis systems.



Atlantis Green Roof & Wall Benefits

- Produce Oxygen
- Convert CO² emissions
- Absorb & Transform Sunlight
- Reduce Ambient Temperature
- Reduce the Heat of Buildings
- Create Large Catchment Areas
- Capture and Harvest Rainwater
- Reduce Stormwater Runoff & discharge
- Reduce Energy Costs
- Create Habitat for Wildlife
- Productive rooftop and vertical farms



Atlantis vertical garden installation at the University of Lima, Peru.



Nesting boxes incorporated into vertical gardens. Specific designs + dimensions will encourage favourable species.

Desalination Plant Project Victoria, Australia 2012



The largest roof garden in the Southern Hemisphere, 27,000m². Atlantis 20mm Flo-Cell® was used as a drainage layer on the roof top garden.

Intensive Gardens

Benefits

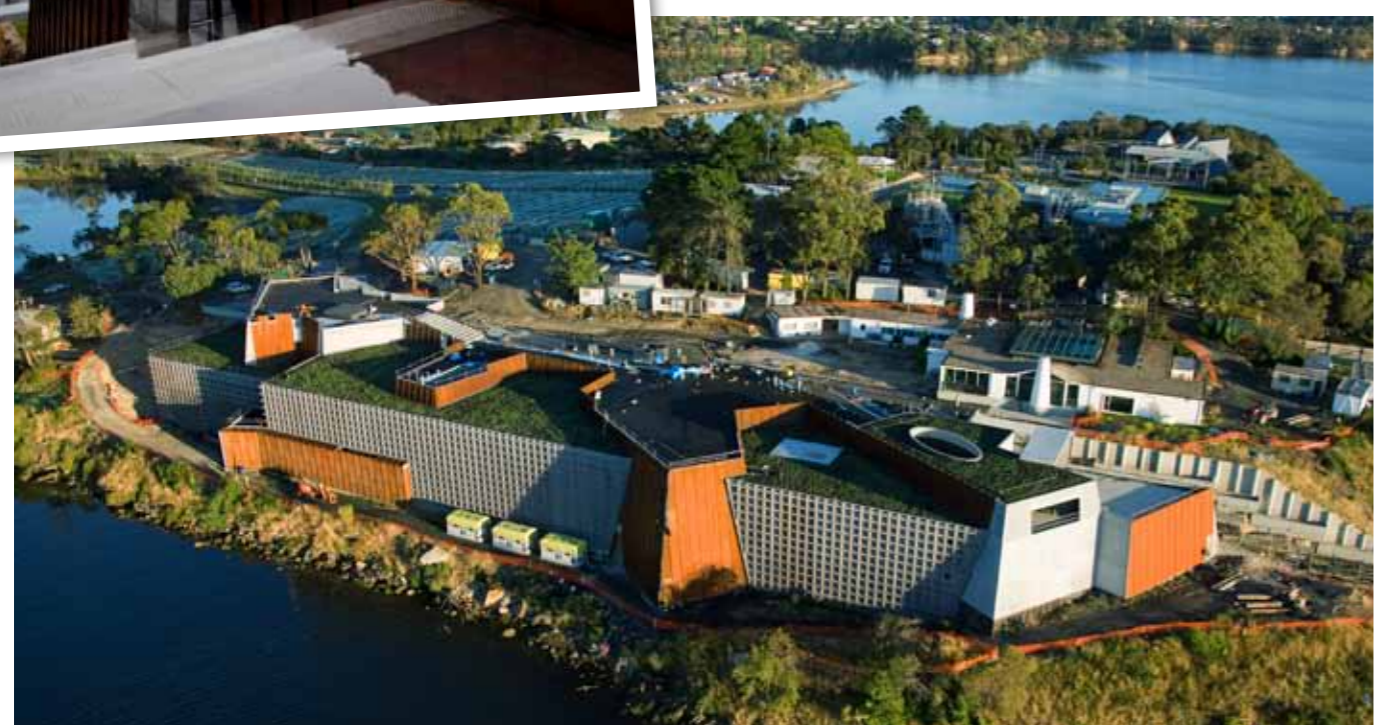
- Beautiful gardens
- Additional recreational area
- Add value to building
- Effective insulation
- Stormwater management
- Reduce heat-island effect
- Rooftop farming
- Oxygen production
- Thermal insulation



Atlantis rooftop garden design, Sydney, Australia 1987



Atlantis rooftop garden design, Artarmon, Australia 1990



Museum of Modern & Old Art (MONA) Hobart, Tasmania

Extensive Roof Gardens

Benefits

- Low cost, lightweight, used for habitat and biodiversity.
- Reduce the heat-island effect.
- Stormwater management
- Beautiful aesthetics
- Improved human health
- Oxygen production
- Thermal insulation



Marine Discovery Centre, Queenscliff, VIC



Atlantis drainage layer was installed into the roof of the Marine Discovery Centre, Queenscliff, VIC



Wetland Park, Hong Kong, China



Wetland Park, Hong Kong, China

Create Lush, Beautiful Vertical Gardens

Designed specifically for vertical gardens, **Gro-Wall® 4** includes many new intuitive and constructive features that benefit both users and designers. New features include a revolutionary watering system, improved wall anchoring and improved planting capabilities.

The Gro-Wall® 4 enables designers and users to install vertical gardens in adverse outdoor environmental conditions and in regulated indoor environments with complete access and control. The new enhancements provide targeted watering control of individual plants, maximum water efficiency, last minute design changes and easy access to irrigation components.

Gro-Wall® 4 is the perfect tool for creating vertical landscapes and the perfect companion for its' caretakers.



Atlantis green wall installation into the foyer of an office building, Sydney, Australia.



Atlantis green wall installation, Bauhaus Mall, Turkey



Atlantis green wall installation onto multilevel car parking, Santiago, Chile.



Atlantis green wall installation a residence, Sydney, Australia.

Productive Rooftops

Green roofs and vertical walls provide unique places for growing vegetables and herbs as well as flowers for bees to make honey.

In a sustainable way, residents, restaurants and occupants are provided with fresh produce while incurring ZERO food miles, reducing carbon output and harvesting rainwater.

Organic waste can also be recycled into compost and reutilised back into the productive rooftops providing a sustainable growing environment.



Green roof farming projects provide the community with enjoyable recreation + health.



Vegetable and herbs growing in an Atlantis vertical garden.



Restaurants can benefit from growing organic produce year round. Chefs can enjoy cooking with fresh produce which includes many environmental and health benefits.



Vegetables & fruits grown on rooftops and vertical gardens can generate fresh organic produce without the incurred costs and environmental degradation associated with carbon output.



Rooftop beekeeping provides large quantities of honey and pollination services for roof top vegetation.



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Atlantis Water Management

PHONE: + 612 9417 8344

FAX: + 612 9417 8311

EMAIL: info@atlantiscorp.com.au

WEB: www.atlantiscorp.com.au

