

# GLOBAL LEADERSHIP PROGRAM ON THE CIRCULAR ECONOMY

# 2019

ADELAIDE

SOUTH AUSTRALIA

Become a global leader in the circular economy



Empower yourself to realise the benefits of the circular economy at this global leadership program. Deepen your understanding of the circular economy and see initiatives developed in one of the world's most progressive green states.



## ABOUT THE CIRCULAR

## ECONOMY GLOBAL

## LEADERSHIP PROGRAM

This unique practitioner's program will give business and government leaders the practical skills to make a difference in the circular economy. You will see how to put theory into practice and translate concepts into tangible actions.

You will broaden your understanding of the circular economy in the company of experienced international participants from diverse backgrounds. You will be exposed to an experiential learning environment through site tours and learn from national and international experts in fields including water, waste, energy and materials management. This is a personalised learning experience that a conference cannot provide.

The diversity of the program's themes is grounded in visits to a range of circular economy operations – all within close proximity to each other in and around the city of Adelaide.

Adelaide, South Australia, is increasingly recognised as a leader in circular economy initiatives. This leadership program provides the chance to see these first-hand, develop your knowledge and deepen your understanding based on proven successes.

- More than 84% of the state's waste is diverted from landfill
- 57% of the state's entire energy consumption is met by renewable energy and completion of current projects will increase this to 75% by 2021
- It is one of the most water efficient regions in the world, recycling nearly 40GL of wastewater and urban stormwater per year. This figure is set to exceed 50GL per year in 2019 after the commissioning of current infrastructure projects.

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South Australia is a hub for the circular economy where the government, industry, community, research and education sector actively collaborate. We are uniquely positioned to demonstrate the circular principles in the areas of recycling and resource recovery; water management; climate change; smart cities; innovation and renewable energy. There is nowhere else where you can see the circular economy in practice and concentrated in one conveniently located geographic metropolitan location.  
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Vaughan Levitzke,  
Chief Executive, Green Industries SA

One of the many take-outs of the program will be a customised personal action plan. With expert guidance, you will build your capacity to influence and lead change specific to your organisation and community.

At the end of the program you will attain alumni status, maintaining your contact with an international network of established experts and emerging leaders in the circular economy.

## South Australia's achievements



More than 84% of waste generated in South Australia is diverted from landfill



31% of waste water generated in South Australia is recycled



Nearly 8GL of stormwater is harvested per year for reuse



57% of South Australia's energy comes from renewable sources

# PROGRAM LEARNING MODES AND THEMES

## There are six learning modes:

1. Presentations by experts who are internationally recognised as thought-leaders in the circular economy.
2. Site tours and on-site presentations demonstrating circular economy practices.
3. Networking with practitioners, solution providers, policy makers, experts and educators in the circular economy.
4. Case study presentations, analysis and discussion.
5. Peer discussions and problem-solving sessions.
6. Formulating a personal action plan.

### Put the circular economy into practice with your own personal action plan.

This is a key exercise in the leadership program. Building upon your learning of the leadership program, you will formulate your own circular economy strategy and implementation plan related to your organisation and your area of work/influence.

## Major themes in the program include:

### Circular economy policy and practice

- Climate change
- Energy efficiency
- Renewable energy – battery storage, smart grid
- Waste management, recycling and resource efficiency
- Economic/market instruments

### Community and society

- Community education, engagement and partnerships
- Behavioral change programs
- Smart cities, resource efficient and resilient communities
- Living cities - sustainable landscape architecture

### Industry

- Sustainable procurement
- Innovation incubators and technology
- Industrial symbiosis - circular industrial estates
- Resource efficiency in industry

### Water management

- Wastewater reuse
- Water sensitive urban design
- Storm water reuse, wetlands and aquifer storage

# BENEFITS OF ATTENDING

## Who should attend

The leadership program is ideal for experienced professionals, public sector managers, academics, and business and industry leaders from diverse backgrounds who are involved in sustainability, urban planning, industrial efficiency, renewable energy, and waste and water resource management amongst other areas.

Experience world-class site visits within or near the Adelaide metropolitan area, backed by the practical know-how of international experts in the circular economy. The learning program also includes expert presentations, case studies, peer discussions and networking with business and policy leaders.



Make yourself more competitive and future-ready!



Expand your horizons!

## THE SOUTH AUSTRALIAN EXPERIENCE

The state of South Australia is a shining light in Australia's circular economy. It continues to lead the nation with initiatives such as container deposit legislation; bans on single use plastic bags; high-performance kerbside waste collection/recycling systems; wastewater reuse and recycling; industrial resource efficiency; collections of hazardous waste; wind and solar energy development; and stormwater harvesting.

Green Industries South Australia (GISA) is at the forefront of delivering the state's commitment to the circular economy. The leadership program is an initiative of GISA under the auspices of the United Nations Centre for Regional Development (UNCRD) and is delivered by Circular Economy Alliance Australia (CEAA) in collaboration with key international and local partners.



## ADELAIDE – YOUR PROGRAM VENUE

Adelaide is South Australia's capital, its economic, educational and cultural hub, and home to some 1.2 million people.

It is a planned city and consistently ranked in the world's top 10 most liveable cities. The vibrant, safe and sophisticated CBD is flanked by 930 hectares of parklands – the largest urban parklands system in Australia. It is served by a free Wi-Fi system, free trams, and links to an extensive and efficient public transport system linking it with beaches and hills areas.

### Stay in touch with Adelaide GigCity

GigCity is a South Australian government initiative connecting businesses in Adelaide to ultra-fast and affordable gigabit internet at speeds of up to 10 gigabits per second (with additional customer-provided technology) – that's up to 1,000 times faster than the national average.

## PRACTICAL SITE VISITS:

## HANDS-ON LEARNING AND EXPERIENCE

You will visit many sites in and around Adelaide where you will see circular economy practices being used successfully, effectively and profitably on a daily basis. These will include:



### Recycling and resource recovery

#### Northern Adelaide Waste Management Authority (NAWMA)

State of the art sorting technology underpins South Australia's exemplary recycling rate. NAWMA coordinates three-bin kerbside collection services (general waste, household recycling and green organics) for more than 100,000 residential properties. It also manages the Uleybury engineered landfill and two resource recovery centres.

#### Advanced Plastic Recycling

Advanced Plastic Recycling reprocesses household, commercial and industrial post-consumer plastic waste that would otherwise be sent to landfill.

Its wood-plastic composite technology is used in a range of products which are sold in many parts of Australia and exported internationally.

#### SUEZ-ResourceCo

The South Australian government's Solid Waste Levy makes recovery of construction and demolition material more cost-effective than sending it to landfill.

SUEZ-ResourceCo produces from otherwise wasted materials Processed Engineered Fuel (PEF), used by Adelaide Brighton Cement as an alternative to fossil fuel.



## You will also see these other outstanding

## South Australian circular economy operations . . .

### Organics reprocessing

#### Jeffries Group

The Jeffries Group state of the art composting facility in northern Adelaide uses locally developed technology including the custom designed Recycled Organics Screening System to help South Australia maintain the state's nation-leading role in reducing the amount of organic material sent to landfill.

#### Peats Soils and Garden Supplies

Peats Soils and Garden Supplies transforms organic waste from industry and kerbside collection into high value products for Adelaide's food and wine industry through composting and anaerobic digestion. BioBiN® is an on-site capture and containment system used for organic material processing.

### Sustainable water management

#### SA Water

South Australia is the driest state in the driest continent. The necessity to conserve water has driven the state to become a global leader in wastewater reuse and recycling. SA Water's Bolivar-Virginia Pipeline Scheme is a successful wastewater reuse project comprising a 142km network supplying Class A recycled water from the Bolivar sewage treatment works to the Adelaide Plains for use in irrigated agriculture and horticulture.

The Northern Adelaide Irrigation Scheme (NAIS) will increase production of recycled irrigation water by 60%, providing up to 20GL of treated, climate and season independent water to the farm gate, from 2019.

#### Salisbury Water

Salisbury Water's Parafield stormwater harvesting, storage and reuse scheme is one of the world's largest urban stormwater capture, reuse and aquifer recharge schemes, supplying recycled non-potable water to industries, households and parks and gardens.

### Renewable energy

South Australia has world-class renewable energy sources including wind, solar, geothermal, wave and pumped hydroelectric. 57% of the state's energy comes from renewable resources and this figure is targeted to reach 75% by 2021. Focus areas include:

- Large scale renewable energy generation and storage, such as wind, solar thermal, solar PV, bioenergy, battery, pumped hydro and thermal storage
- Demand-side energy such as rooftop solar, bioenergy, distributed storage, energy efficiency and demand management
- Hydrogen production, use and export
- Uptake of zero emission vehicles and investment in charging and refuelling infrastructure
- Supply chain development of low carbon technologies
- Research and industry partnerships in low carbon technologies.



## Community education

South Australia's KESAB *environmental solutions* is a globally recognised non-government organisation and a leader in creating sustainable communities through education, action and participation.

## Lochiel Park – award winning green village

Lochiel Park was master planned on sustainability principles that included addressing climate change impacts, conservation of resources and establishing innovative housing products. The site has been transformed from a former education institution to a model green village incorporating the best of sustainable technologies.

## Innovation

South Australia is a leader in the successful transformation of sites into creative, innovative hubs for emerging high-tech industries. The Tonsley Innovation Precinct (previously the Mitsubishi car manufacturing plant); Lionsgate (formerly the GM Holden car manufacturing plant); and the Australian Space Agency national headquarters (formerly the Royal Adelaide Hospital) are prime examples of this approach.

## Carbon neutral Adelaide

The Adelaide City Council aspires to make Adelaide the world's first carbon neutral city. The *Carbon Neutral Action Plan 2016-2021* builds upon Adelaide's international reputation as a city that is green, liveable, smart and creative. The plan outlines the pathway to rapidly reduce Adelaide's carbon emissions.



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## EXPERT ENDORSEMENTS

*Victoria can learn from South Australia's boldness. The program is an eye opener showing how the interaction between industry, government and the community is driving change in the circular economy.*

**Josephine Regel**

**Director Strategy, Projects & Communications  
Metropolitan Waste and Resource Recovery  
Group, Victoria, Australia**

*The program is an eye opener, and the experience will inspire us to drive changes back in our own communities.*

**Reema Banerjee  
Programme Director**

**Centre for Environment Education  
Kolkata, India**

*This is quintessentially a 'practitioners' leadership program that will broaden your understanding of cross-functional, multidimensional aspects of a circular economy and accelerate your learning on how to put the circular economy into practice. In the company of experienced peers, you will be exposed to an experiential learning environment through site visits, site presentations and interactions with practitioners and subject experts.*

**Hemant Chaudhary  
Founder and Managing Director  
Circular Economy Alliance Australia**

*Building leadership capacity in the circular economy is of utmost importance in meeting the United Nations Sustainable Development goals. This was one of the key commitments of the Adelaide Declaration on the Circular Economy agreed at the Seventh Regional 3R Forum in Asia and the Pacific. The global leadership program is an essential step in this direction.*

**Choudhury Rudra Charan Mohanty  
Environment program coordinator/expert  
United Nations Centre for Regional  
Development**

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## LIMITED INTAKE

### Winter Program

22 July – 26 July 2019

### Summer Program

2 December – 6 December 2019

### Register your interest

For details on how to submit an application please contact Hemant Chaudhary:

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Hemant Chaudhary,  
Founder and Managing Director,  
Circular Economy Alliance Australia

This is an  
'in residence'  
program and is  
offered twice a year.

The intake is limited  
to a maximum of  
25 participants.

### An initiative of Green Industries SA

Green Industries SA is an enabler and driver of change, supporting the development of the circular economy through diverse collaborations which improve productivity, resilience, resource efficiency and the environment.

[www.greenindustries.sa.gov.au](http://www.greenindustries.sa.gov.au)



Government  
of South Australia  
Green Industries SA

*We thank the South Australian Tourism Commission for the use of images used in this publication.*

*The details set out in this brochure are correct at the time of printing however are subject to change at the discretion of Green Industries SA.*

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### International collaboration

#### Program convenor – Circular Economy Alliance Australia

An Australian company that delivers training and capacity-building programs in environmental management and sustainability.

<https://ceaa360.com/>

#### United Nations Centre for Regional Development

Based on an agreement between the Government of Japan and the United Nations, this agency promotes sustainable regional development in developing countries.

[www.uncrd.or.jp](http://www.uncrd.or.jp)

#### Ekonnect Knowledge Foundation

A not-for-profit Section 8 company which provides learning services in environmental management and sustainability.

<https://ekonnect.net/>

#### US Green Chamber of Commerce

The US Green Chamber of Commerce represents the voice of hundreds of small, mid sized and large American businesses and global corporations.

<https://usgreenchamber.com/>

#### Australian Trade and Investment Commission (Austrade)

Australia's lead government agency for international trade promotion and investment attraction.

[www.austrade.gov.au](http://www.austrade.gov.au)



Join us and equip yourself to be a visionary leader in the circular economy.