

THERMAL & ELECTRICAL GENERATION

A greener infrastructure for your business

The transition towards renewable energy sources like solar, wind, biogas, biomass power are crucial for decarbonising.

Green fuels have a lower carbon footprint compared to traditional fossil fuels and will play an essential role in achieving net zero emissions. Veolia's extensive expertise in renewable and sustainable energy means that you will be in capable hands as we design and implement the best solution to achieve your carbon reduction targets.

FEATURES AND BENEFITS

- **Advance your transition to green energy** and away from fossil fuels
- **Leverage energy-efficient solutions** for your cooling and heating needs
- **Gain access to cutting-edge technologies** that enhance performance and efficiency
- **Maximise the utilisation of locally-available resources** for sustainable operations while enhancing energy independence and reducing exposure to energy market fluctuations
- **Benefit from energy storage solutions** to optimise energy usage and reduce costs
- **Realise cost savings** compared to traditional business-as-usual approaches and explore off-balance sheet financing options for flexible and cost-effective implementation

INDUSTRIES WE SERVE



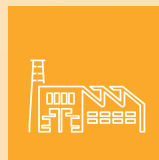
Commercial & Retail



Education



Healthcare



Industrial



Municipal & Local Government

SOLUTIONS & SERVICES

Veolia provides integrated, low-carbon solutions for thermal generation and supply at different scales: heated/chilled water for a building or a district heating/cooling system, and steam for an industrial customer or an industrial park. In addition to generating and storing electricity through biogas engines, solar PV, and battery systems, we can also install microgrids and embedded networks to harness renewable generation storage within your consumption network.

CASE STUDY: UNIVERSITY OF SUNSHINE COAST (USC)

Project Overview: Building a carbon neutral campus.

Challenge: USC was seeking a partner that will take an all-in-one approach to support their carbon neutrality initiatives.

Solution: Veolia installed and operates a solar PV system, thermal energy storage tank, cooling plant, and an ultrafiltration water recovery plant to provide a unique and comprehensive energy reduction solution.

Benefit: USC is the 1st plant in Australia to use renewables to charge a thermal battery. It also uses the campus' lake water for the air conditioning and cooling towers, resulting in a total saving of 802 megalitres of potable water.



GLOBAL KNOWLEDGE. LOCAL EXPERTISE.

Veolia is a global leader in environmental services, operating across five continents with nearly 220,000 employees worldwide. The company is at the forefront of ecological transformation, designing and implementing practical solutions for the management of water, waste, and energy resources.

Through its three complementary activities – **energy, water, and waste management** – Veolia plays a crucial role in developing access to resources, preserving available resources, and renewing them. With a strong commitment to sustainability and environmental stewardship, Veolia is a trusted partner for organisations seeking to reduce their environmental footprint, improve resource efficiency, and contribute to a more sustainable future.

To learn more about our energy solutions visit anz.veolia.com/energy-services
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