

AUSTRALIA'S SUNSHINE COAST

CLEAN TECHNOLOGIES INDUSTRY

Innovators for
the environment

*7+ hours
of sunshine,
300 days
a year*

*Around 150
clean technology
businesses*

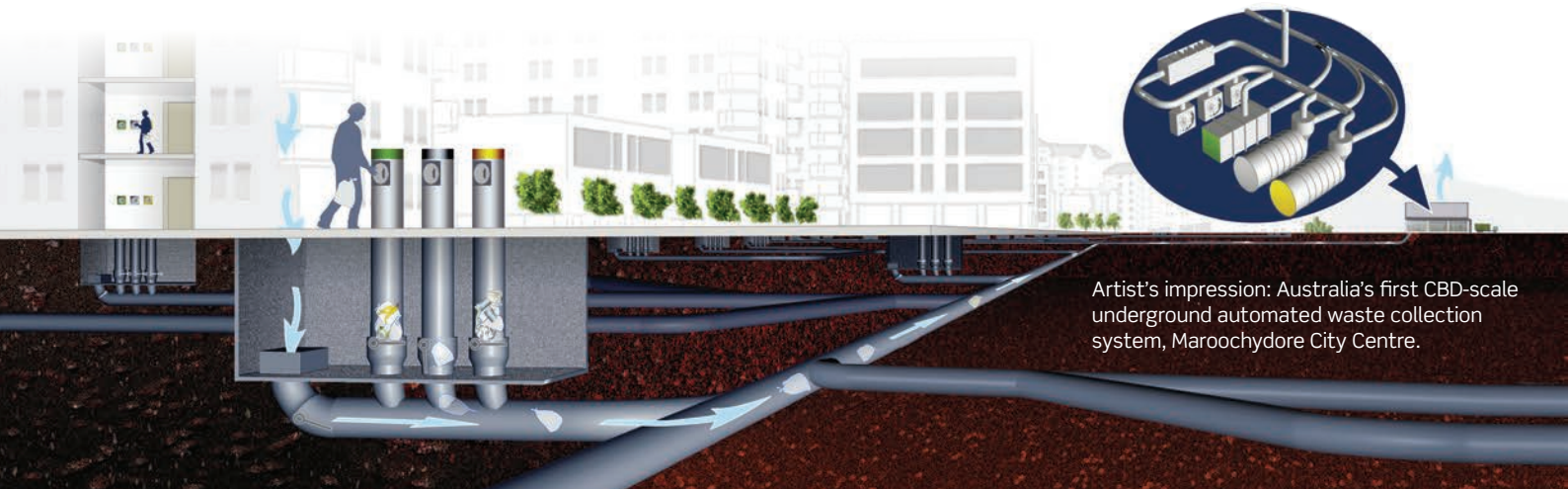
SUNSHINE COAST SOLAR FARM

POWERING 100% OF SUNSHINE COAST COUNCIL'S ENERGY

Invest[™]
Sunshine Coast
Australia

Become part of a leading region in clean technologies

The Sunshine Coast is a leading regional city of the 21st century and is experiencing some of the most exciting developments in Australia at this time. With a 20-year blueprint for sustainable economic development and one of the highest concentrations of clean technology businesses in Australia, the Sunshine Coast is the ideal location for clean technology pioneers and innovators.



What are clean technologies?

Clean technologies are economically viable products, services and processes that harness renewable materials and energy sources. Clean technologies are solutions or technologies designed to dramatically reduce the use of natural resources, provide a better solution and cut or eliminate emissions or waste.

Why the Sunshine Coast?

The clean technologies industry on the Sunshine Coast generates \$228 million in economic activity, employs nearly 1,500 people, is a model for sustainability in Australia and is actively supported by Australia's only dedicated clean technologies business association.

The Innovation Centre Sunshine Coast provides support including programs and mentoring for start-ups to grow and scale globally.

Clean technologies on the Sunshine Coast

- Renewable energy (solar) and energy efficiency (LED lighting)
- Water and waste water management
- Architecture, green building design and sustainable construction materials
- Strong clean technologies manufacturing sector
- Engineering and scientific consulting services
- Ecologically sustainable waste management

“The Sunshine Coast is in the right place at the right time. (It has an) innovative self-starting streak, coupled with a broader knowledge sector.

By the measure of every other comparable city on the Australian continent, this place is entrepreneurial, it is bizarrely entrepreneurial.”

Bernard Salt, leading demographer, April 2019

Demand for clean technology solutions

- The fast growing economy and increasing population of the Sunshine Coast generates demand for clean technology solutions.
- USC (University of the Sunshine Coast) hosts the Sustainability Research Centre – providing access to contemporary research that supports the growth of the clean technologies industry.
- The Sunshine Coast hosted the 2019 National Clean Technologies Conference and Exhibition, bringing industry stakeholders together to drive growth, innovation and investment.
- The Sunshine Coast Airport is the first and only Australian airport to achieve and retain Level 3+ Neutrality under the Airport Carbon Accreditation program.
- Sunshine Coast Council is investing in smart technologies throughout the region, including the new Maroochydore City Centre.

Fast facts

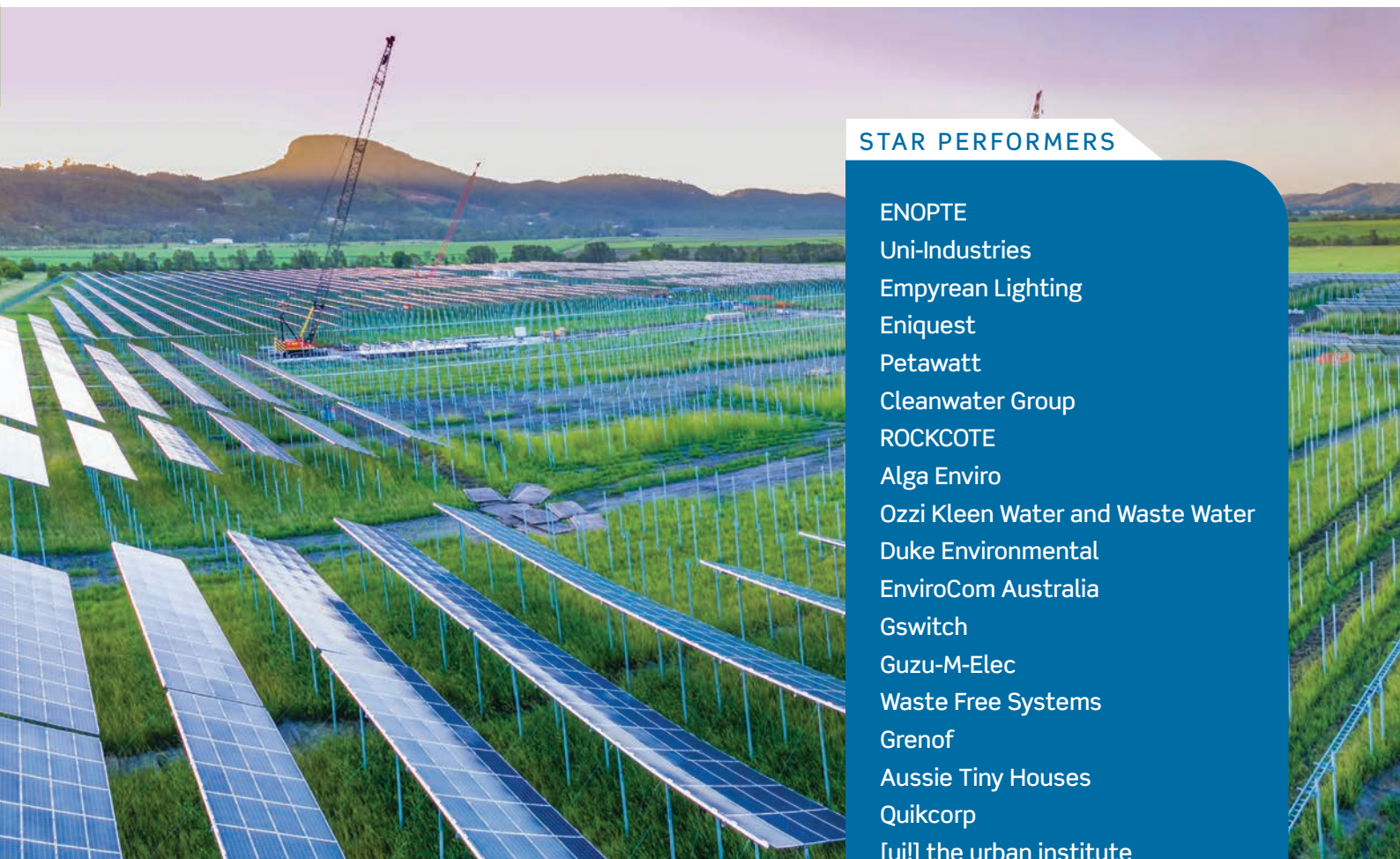
\$228 million industry value

150+ businesses,
1,500 jobs

7+ hours of sunshine,
300 days per year

Australia's only
dedicated clean technologies
business association

Caloundra ranked #4
rooftop solar postcode
in Australia in 2019



STAR PERFORMERS

ENOPTÉ
Uni-Industries
Empyrean Lighting
Eniqest
Petawatt
Cleanwater Group
ROCKCOTE
Alga Enviro
Ozzi Kleen Water and Waste Water
Duke Environmental
EnviroCom Australia
Gswitch
Guzu-M-Elec
Waste Free Systems
Grenof
Aussie Tiny Houses
Quikcorp
[ui!] the urban institute

Emerging opportunities

Key capital investment projects are changing the face of the Sunshine Coast and paving the way for a stronger economy.

Research centre of excellence

Enabled by the presence of the nationally recognised Sunshine Coast Solar Farm, an opportunity exists to leverage this development by partnering with accredited clean energy and smart grid management related research centres.

Cleantech and digital solutions

Digital and clean technology solutions support local business growth and attract foreign investment. Efficient waste management, recycling and clean power sources are at the forefront of new development and contribute to the green credentials of the new Maroochydhore City Centre.

Eco and lifestyle tourism

Attracting visitors to the region for eco and lifestyle tourism represents an opportunity to develop solutions for this sector. Visitors are also potential export clients for local clean technology businesses.

Smart cities

With digital in its DNA, smart opportunities abound with the international broadband submarine cable, Smart City Framework and a dedication to innovation.



ROCKCOTE

ROCKCOTE is a \$30 million, multi-award winning, building industry products supplier. It is recognised as a leader in the development, manufacturing and distribution of innovative and decorative architectural coatings, environmentally safe paints and energy efficient building systems.

ROCKCOTE's head office and primary manufacturing plant is based in Yandina, on the Sunshine Coast. Its product range is widely used throughout residential, commercial and industrial construction industries, both in Australia and overseas.

By applying lessons learned from nature to business, the company is successfully demonstrating that environmentally-friendly business can be good not only for the environment and the community, but also for its bottom line.

“The Sunshine Coast is becoming the environmental centre of the world. We enjoy a beautiful, diverse environment, dedicated staff and a network of innovative companies all striving to leave the world in a better state than how we found it.”

Bob Cameron, Managing Director, ROCKCOTE

ENOPTÉ

ENOPTÉ is a world leader in the development of innovative commercial and home energy management technologies.

With a belief that smart energy begins with smart design, the Sunshine Coast Innovation Centre start-up graduate launched its smart renewable battery system Auzimax 2 in 2016. At the time it was the only battery system on the market with 24/7 reporting of internal cell information.

True to its intention to develop a comprehensive customisable energy solution, the company has now released its innovative ENOPTÉ Power Station. This fully integrated battery storage system is suitable for hybrid or off-grid solar power systems in homes and businesses, enabling solar power to be effectively stored and reliably delivered, optimising energy use and reducing costs.

The system is modular so it can be scaled up for larger energy requirements and fully transportable so owners can take it with them if they move or sell.

ENOPTÉ's systems have been installed in more than 1,000 locations, generated 30,000 megawatt hours of power and saved over 24,000 tonnes of carbon since 2014.



“The Sunshine Coast is a fantastic base to develop a cleantech business. From the time we started at the Innovation Centre to our migration to the Coolum Beach industrial zone, the support we’ve had from local industry and council has been terrific.”

Mark Leckenby, CEO, ENOPTÉ



- 15MW of electricity
- SAVED \$2.5 million in 2018
- OVER \$20 million savings over 30 years
- OVER 30,000 megawatt hours of electricity
- SAVING 25,000 tonnes of carbon emissions

Powering our future: Sunshine Coast Solar Farm

Sunshine Coast Council is powering its future and positioning the region as the solar industry capital of Australia with the Sunshine Coast Solar Farm.

At its peak the solar farm generates 15MW of electricity, which is fed into the Energex network. As a result, Sunshine Coast Council is the only government in Australia to offset more than 100% of its electricity consumption.

Based on today's electricity costs over a 30-year period, the award-winning solar farm will provide more than \$20 million in savings after costs.

Sunshine Coast Council has taken control of its electricity supply to combat rising costs and generate renewable energy to power its facilities and services.



Innovative smart city technology

The Sunshine Coast is a tech-savvy region with a reputation for innovation. In 2019 and 2020 it was named a global Top7 Intelligent Community, building on its six Smart21 Intelligent Community awards.

Sunshine Coast Council's Smart City Framework uses technology to innovate for better service delivery, creating an even more liveable, workable and sustainable region.

Major smart city initiatives include the development of a smart and digitally connected Maroochydore City Centre and connection to the new international submarine broadband cable.

The new Maroochydore City Centre will be embedded with smart technology, creating a cleaner, greener, dynamic city:

- Australia's first CBD-scale underground automated waste collection system
- Energy-saving LED lights throughout the CBD
- Free Wi-Fi in streets, parks and plazas
- Smart signage with live travel information for pedestrians
- Smartphone apps will guide drivers to the nearest parking space

USC switches to cleaner energy

In 2019, USC switched on an unconventional new system that will cut campus grid energy use by 40%.

Designed and built in partnership with global company Veolia, the thermal energy storage tank project is the first of its kind at an Australian university and includes a three-storey water tank cooled by a complex thermal process powered by more than 6,500 solar panels installed at the Sippy Downs campus.

The system is expected to save an estimated \$100 million and more than 100,000 tonnes of CO2 emissions over

STAR PERFORMER



25 years, equivalent to the carbon emissions of 525 average Australian houses for the same period.

Every aspect of USC's water battery project will be studied by students in business, science, engineering, sustainability and other teaching program areas. Student engineers have already engaged with the case study, helping Veolia engineers assess the current energy use of each campus building.

SUNSHINE COAST BUSINESS SNAPSHOT

Population growth

- One of the largest local government areas in Australia with a population of 330,000 and has averaged 2.7% annual growth over the last decade, making it one of the fastest growing areas in the nation. (ABS, 2018)
- Population expected to grow to 518,000 people by 2041. (QGSO, 2018; ABS, 2018)
- A wider service catchment of 1.2 million people. (DESE, 2020)

Educated workforce

- Quality education sector with award-winning universities, a multi-campus vocational training institute, more than 100 Registered Training Organisations and more than 80 private and public schools.
- A highly educated workforce, with the region's population holding a higher level of post-secondary school qualifications than the state average and more than 83,500 students studying locally.

Lower operating costs

- More affordable industrial land prices – between 36-84% lower than other Australian capital cities on the eastern seaboard.
- Lower prices for commercial office space – almost 50% lower than Brisbane CBD costs.
- Lowest basic flat payroll tax rate of any Australian state or territory.

Prime location

- The Sunshine Coast Airport is being expanded to deliver direct access to the region from more Australian and international destinations, with completion expected by late 2020.
- The Sunshine Coast is just over one hour by road from Brisbane, the state capital.
- Excellent access to national and international air and sea ports, including Sunshine Coast Airport, Brisbane International Airport and the Port of Brisbane, along with direct access to national road and rail networks.

Export opportunities

- Positioning the region as a competitive source of high demand goods and services to increase investment, employment, infrastructure and community prosperity.
- Sunshine Coast International Business Development program provides collaboration and market opportunities.



FUTURE-PROOFING WITH FAST DATA

The Sunshine Coast International Broadband Network will provide Australia's fastest and most affordable telecommunications connection to Asia from the east coast and the second fastest to the United States.

With future-proof capability, the new cable will increase data transmission speed, reduce risk and lead to a reduction in international communication costs for business and consumers.

The cable will be in service from 2020, making the Sunshine Coast the ideal Australian location for domestic and global operators.

THE FUTURE IS HERE

The Sunshine Coast is building a new economy based on a clear 20-year economic plan, which aims to double Gross Regional Product (GRP) and high-value employment opportunities.

Goals for 2033

- A\$33 billion economy
- 100,000 employment opportunities in high-value industries
- 20% of goods and services produced for export outside the region
- Household income levels above the state average

Sunshine Coast Council welcomes and supports the growth of local businesses and the establishment of new ones in the region.

- Talk to a specialist for site selection assistance and relocation advice.
- Ask for connections with government and industry bodies and access international market information.
- Access a wide array of information online, including local success stories, programs available to local businesses and the latest in local industry news.



Download the Invest Sunshine Coast app for latest news.

Available from the App Store and Google Play.

invest.sunshinecoast.qld.gov.au

Email invest@sunshinecoast.qld.gov.au
or call the Head of Trade and Investment
on + 61 407 753 645

