



Cleaner, connected & sustainable

Distributed Energy Renewables: Services

- Utility and Distributed Solar power engineering and design
- Onshore & Offshore Wind power engineering and design
- Hydropower engineering and design
- Project construction management services
- Environmental compliance engineering and design
- Energy storage and grid modernisation

The energy market is rapidly changing in terms of how we produce and consume energy and it's a global phenomenon. It's a simultaneous evolution of multiple markets away from conventional energy sources to renewables. It's an energy revolution.

It's changing the nature of what infrastructure can do, mitigating our environmental impact and unlocking potential for a cleaner, more efficient way of life.

At Stantec, we're advancing Energy Transition across Australia and helping our clients to achieve their goals in:

- Distributed energy resources
- Sustainability
- Renewable energy development
- Alternative fuel development Energy master planning
- Climate action planning
- Resilience
- Smart Cities and Buildings

Our suite of renewable energy services means we can offer fully integrated project support, all in-house.



Hydropower

Global leaders in hydropower, we have designed and delivered projects in 33 countries on five continents. Our portfolio includes pumped storage and rehabilitation of 300+ hydro projects worldwide.



Wind

We provide strategic analyses for regions or countries looking to introduce or improve their energy-from-wind sources. We also deliver technical services for the development of wind farm projects.



Solar

Our portfolio includes iconic solar projects across Australia involving pre-feasibility studies, permitting and commissioning.

Connections you can count on

Whether you require financial and technical analysis of an existing or proposed system, expansion and modernisation of plant, or assistance with environmental and permitting issues, we have in-house experts across Australia.

We leverage our community of experts located around the world to offer technical excellence, best practice and innovation to every renewable energy project.

Blending technical knowledge with a strong understanding of federal, state and local regulations, we provide specialist advice in environmental services, engineering design and stakeholder engagement.

We have in-depth knowledge of industry-leading design standards, and experience of interconnecting with all the major utilities to deliver projects on time and on budget.

RENEWABLE ENERGY SERVICES AT EVERY STAGE:

**Project feasibility
& siting**

**Regulatory support
& permitting**

**Detailed engineering &
design**





Global experience
26,000+ MW
Solar & Wind Power



PROJECT SPOTLIGHT

VICINITY SOLAR ENERGY PROGRAM | MULTIPLE SITES, AUSTRALIA

Stantec's Energy team acted as "Owner's Engineer" on a national rollout of a 32MW solar capacity system at 20 major shopping centres across Australia on a \$75M project. This involved review of design, network, construction, inspection, safety and compliance.

With stores located across WA, Victoria, NSW and Queensland, our national offices worked together to provide the essential local knowledge for the location-specific utility authorities' procedures and codes.

Eight utility/power authorities were involved and the stores presented a mix of equipment with both HV and LV connections. Close collaboration with our interstate colleagues accomplished the crucial co-ordination of knowledge and activities needed to achieve the performance requirements of the various systems and maintain consistent service quality.

Vicinity Centre's giant solar energy programme won the People's Choice Award at the 2019 Property Council of Australia – Rider Levett Bucknall Innovation and Excellence Awards. The award recognises innovation that creates significant advancement and improvement within the property industry and that it is replicable.

**Project & construction
management**

**Start-up commissioning &
operations**

**In-service
support**



Regardless of size, scope, or scale we can make your Energy Transition goals achievable.

Actual Deployments

We've moved beyond conceptual work and are well into execution and deployment in some of the most advanced Energy Transition markets. Connected and automated vehicles, system automation, microgrids, NetZero buildings— our portfolio of actual deployments sets us apart.

Complete Lifecycle Services

Energy Transition exist along every point of a project's lifecycle—from business case to adaptive reuse of existing assets at the individual, community, or municipal scale. Our multi-disciplinary team of experts is scaleable and designed to meet your energy transition goals, no matter where you are on the spectrum of transition.

Innovation through integration

Successful Energy Transition projects require innovation possible only through fully integrated, multi-discipline teams. Our breadth of Energy Transition markets and services means we can connect with the often distinct aspects of a project together and maximize its potential.

Global Expertise, Local Savvy

20,000 professionals combine cutting-edge technical services with local expertise to provide Energy Transition services that are in tune with regulatory, social, and local requirements.

Scalable, Neutral, & made for you

To make sure we can provide the right scale and scope of Energy Transition services, we've taken a holistic approach. We focus on delivering science and skill-enabled services and a product-neutral approach, allowing us to scale our services proportionate to your Energy Transition growth plans.

Connect with us

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