Ekistica

Translate. Create. Deliver.

Waterloo Wind Farm Stage 2, South Australia

Our vision is of a world where location is not a barrier to good technical outcomes: where the appropriation of technology enables people, communities and businesses to reach their full potential.

Our capabilities

Advice

Expert independent advisory and support services on policy and regulatory reform, and infrastructure programme development and delivery.

- Review and advice on energy and renewable energy policy, particularly within a regional and remote area context.
- Procurement strategy development for infrastructure in challenging technical, political and social contexts.
- Technical advice on renewable and power systems engineering, and civil and structural infrastructure projects, including detailed analysis of technology options.
- Prefeasibility and feasibility studies for a wide range of infrastructure in remote and regional areas.
- Demand management and energy efficiency programme development for communities and commercial operations.
- Development of rural electrification projects and programmes including comprehensive community energy planning models and demand management strategies.
- Advice and capacity building on communication and community consultation and engagement processes for infrastructure projects.

Design Engineering

In-house electrical, structural, civil and environmental engineering capabilities, complemented by experienced data analysts.

- Electrical power system design - we have been at the forefront of renewable energy and power systems engineering since 2007.
- Metering and control system design.
- Network integration and connection design.
- Data acquisition and management system specification.
- Environmental management planning and design for infrastructure projects.
- Demand management hardware design.
- Structural engineering design and certification.
- Co-ordination of design briefs and documentation.
- Preparation of technical specifications and contract documentation.

Our team is expert at engineering innovative solutions to the complex challenges of remote area infrastructure development. We have won numerous engineering excellence awards from Engineers Australia, including the prestigious Sir William Hudson Award (2011).

Project Implementation

Experienced 'boots on the ground' project management services from staff who live and understand the challenges of developing and building infrastructure in remote, regional and marginalised areas.

We have delivered many successful projects across a range of different markets and have a reputation for highly responsive, quality-focused project delivery.

- Project and construction management, including procurement and contract management, site supervision, acceptance testing and commissioning.
- Management of projects requiring high levels of stakeholder engagement and communication.
- 'Turnkey' delivery of rural electrification projects.
- Monitoring, surveillance and quality assurance on international development and aid projects.
- Energy efficiency programme management including auditing and implementation of recommendations.
- Development and delivery of governance, training and support frameworks and programmes for remote and regional area infrastructure.

Who We Are

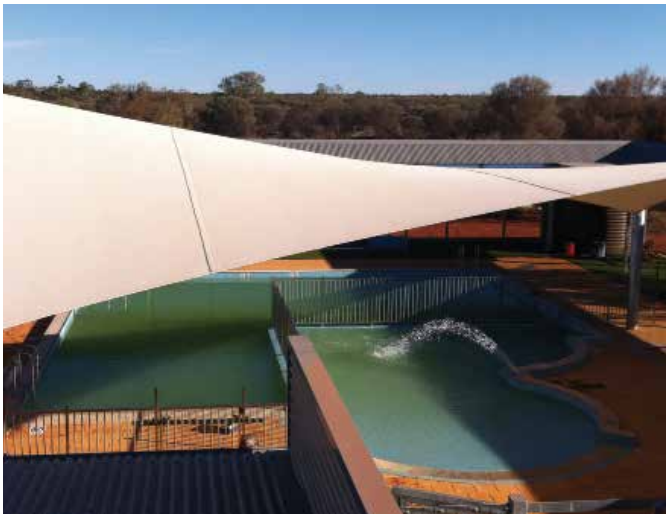
Ekistica is regional and remote Australia's leading advisory and technical consultancy firm.

Since 2007, we have worked nationally and internationally to understand and find solutions to a range of complex infrastructure and service delivery problems for clients that include state and national governments, regulatory bodies, utilities, regional development agencies, commercial and private investment firms, community organisations and end users.

We are wholly owned by the Centre for Appropriate Technology (CfAT Ltd.), an Indigenous controlled not-for-profit corporation that has been working creatively at the interface of technology and economy in Aboriginal and Torres Strait Islander communities for more than 35 years.

We exist to export knowledge from remote areas to other contexts and locations, to constructively impact the world around us; to expand the capability and capacity of remote and regional areas of Australia and the developing world; and to ensure our capability and capacity is supported by a foundation of sustainable financial returns.

Our team of professional project managers includes electrical, renewable, environmental, civil, structural and mechanical engineers, engagement specialists, data analysts, and IT systems and financial experts.



Mutitjulu Community Swimming Pool, Central Australia

Our Belief System

The presence of complexity should never be a justification for not achieving good technical outcomes.

Context is everything: it defines the relationship of technical solutions to people and place. An awareness and understanding of context allows us to find a pathway through complexity.

Continuous engagement is how we understand the story of every stakeholder and project. It is through these stories, and the translation of these stories for our various stakeholders, that we are able understand and define context.

While our beliefs are informed by our location, we are not constrained by it.

Alice Springs Waste Transfer Station, Northern Territory

Pukapuka Solar-diesel Hybrid Community Power Station, Cook Islands

Lyndon Frearson, Ekistica MD presenting at the APEC - KIPO conference on Appropriate Technology, Strategic IP Utilization for Sustainable Development

Post-cyclone rehabilitation of remote school water supply and sanitation facilities, Fiji

Our Approach

At Ekistica, we embrace complexity. We take the time to accept and understand it, then design solutions that address the underlying issues, not the superficial or perceived ones.

Our approach is founded on our experience working across a wide range of infrastructure projects including stand-alone power systems in remote Indigenous communities and Pacific islands, regional aquatic centres, remote housing programmes, renewable generation facilities at commercial airports and tourism ventures, and utility-scale wind and solar farms.

While many of our more prominent projects are in the renewable energy sector, our underlying principles and philosophies are what have allowed us to be innovative and successful across a broader range of infrastructure and technology projects.

We have a unique comprehension of the challenges associated with developing and building infrastructure in remote, regional and marginalised areas. We understand that there are a common set of barriers to all remote area infrastructure development, which are key determinants to a project's success or failure:

People and governance: people matter, and so too does the interface between people and the governance and regulatory frameworks that a project operates in.

Technology and supply chains: cost and quality are critical but must be contextualised by consideration for the intellectual, labour and logistical supply chains available to support delivery.

Finance: capital cost equations require consideration of the valuation of risk and the extant capital constraints in potential finance markets.

All of our services are supported by our ISO 9001 accredited Quality Management System.

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