

Annual Report

2018/19



Centre for Appropriate
Technology Limited



CfAT is

CfAT Ltd supports people in regional and remote Australia in the choices they make in order to maintain their relationship with country.

Maintaining a relationship with country may include a desire to live on country, visit country, develop country for economic benefit or protect country.

We achieve this by providing solutions to infrastructure challenges that people face in maintaining their relationship with country, primarily: reliable power, water supply, digital connectivity, built infrastructure, training and skills development.

CfAT does

Design construction and project management: residential, commercial, public/community buildings

Infrastructure design and development: remote small business enterprise infrastructure (i.e. remote tourist camps), establishment of community housing programs, remote homeland planning and establishment

Digital connectivity: survey and installation CfAT unpowered mobile Hotspot and generic powered mobile Hotspot, point-to-point WiFi

IT Services: Full IT service provision, server hardware hosting

Facilities management: Full lifecycle - building, infrastructure and grounds maintenance

Metal fabrication, design and engineering: High-end designer furniture (in partnership with specialist designers), bush-hardy products, and structural steelwork

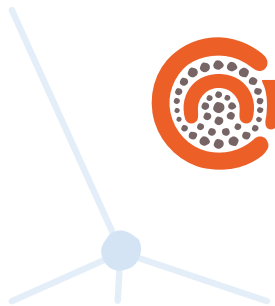
Small scale (off-grid) remote power supply: procurement and project manage installation of small 'off grid' solar (PV) systems, installation of 12V PV power supply to 'off grid' campgrounds.

Registered Training Organisation: Accredited training; automotive, rural operations, engineering/welding, construction/plant operations. Design of tailored training programs to meet client requirements.

Healthy Country Planning: Tailored, participatory planning on country, development of strategic plans for managing traditional homelands



Centre for Appropriate
Technology Limited



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Who we are

The Centre for Appropriate Technology Company Group comprises the Centre for Appropriate Technology Ltd (CfAT), an Aboriginal and Torres Strait Islander (ATSI) owned not-for-profit business and Ekistica (Pty Ltd), its wholly-owned commercial subsidiary.



CfAT Ltd is based in Alice Springs with a national focus, currently undertaking projects across Central and Northern Australia (WA, NT, Qld and SA). CfAT has a proven record of accomplishment of implementing highly successful partnerships and technology solutions with Aboriginal and Torres Strait Islander communities. Success is built upon effective Aboriginal community engagement and true collaboration in decision-making, planning, implementation and assessment. CfAT is also a Registered Training Organisation (RTO).



Ekistica is regional and remote Australia's leading advisory and technical consultancy firm providing advisory, engineering design and project delivery services. Clients include state and national governments, intergovernmental agencies, power utilities, community service organisations, and large commercial and private investment firms across a range of domestic and international markets.

The Company Group employs over 60 Staff and has a \$9m annual turnover.



Who we are



Frank Curtis

A local Arrernte man, Frank Curtis served the people of central Australia for a period of twenty years in his role as an Aboriginal Community Police Officer, Frank is currently in the process of developing a Youth

rehabilitation camp at Umbussa Amurra outstation. Frank enjoys working with young people to build up their self-esteem and confidence. He strives to instill in these youth a vision that someday they will end up being leaders of their country. As a member of the CfAT Board, Frank is passionate about finding ways for Aboriginal people to return to country and live on their homelands.



Noel Hayes

Noel Hayes is a Kaytetye man from Ali Curung, central Australia. For ten years, he served as an ATSIC commissioner. He currently serves on the Barkly Shire Council in the NT. Noel has been involved in a

leadership capacity for a range of social programs and community justice initiatives. He brings strong expertise in working with government.

Meet the board



Jenny Kroker

Jenny is an Eastern Arrernte woman. Jenny has a practical background in cross-cultural education and uses this to nurture the organisational culture at CfAT. She has integrated Indigenous Knowledge into science

curriculum in schools. She is a strong advocate for women in technology.



Helen Martin

Helen Martin joined the CfAT Board in September 2017 as a Director. Helen is a local Arrernte woman and for the past 12 years co-owner of an eco-friendly tourism retreat 'Banu Banu' located off the coast of Nhulunbuy, East

Arnhem Land. Helen was a finalist in the Entrepreneur Category of the NT Telstra Women's Business Awards in 2015 and is the Chair of the Northern Territory Indigenous Tourism Advisory Council. As someone who has first-hand experience of growing a business from the grassroots level up, Helen is passionate about helping other Indigenous people start and operate their own businesses.



Jonathan McLeod

Born in Darwin, Jonathan is of both Aboriginal and Torres Strait Islander descent and is currently engaged by the Northern Land Council as Manager, Regional Development. Based in Darwin he looks after a

regional office network in the Top End of the Northern Territory. Jonathan has worked within Indigenous Affairs for 25 plus years with both the Australian Government and the Land Council as a Commonwealth Statutory Authority. Travelling extensively throughout the Northern Territory he is passionate about supporting remote Aboriginal communities establish opportunities through education, employment, business development, land management, housing, health and sport.

Who we are



Peter Renehan

Peter Renehan was born and raised in Alice Springs. He has been CfAT Chair since October 2010. He brings to CfAT strong community engagement skills and practical hands-on abilities. Peter's leadership underpins

the strength of the CfAT Board and their focus on achieving positive outcomes for Aboriginal and Torres Strait Islander people.



Dr Steve Rogers

Dr Steve Rogers commenced as the CEO of CfAT in January 2015. He has most recently been the Science and Industry leader at the Australian Institute of Marine Science in Perth. He has also been the CEO and

Managing Director of two Cooperative Research Centre's and Principal Research Scientist with CSIRO Land and Water. He is an experienced company director with a strong vision for CfAT as a national organisation delivering the technology innovation needed to stimulate economic development across remote Australia.

Meet the board continued



Brian Singleton

Brian Singleton is a Yirraganydji Rainforest Bama (People) whose people Ancestral Traditional Lands are from the Cairns region to Port Douglas. Brian works for the Great Barrier Reef Marine Park as an Indigenous

Community Compliance Liaison Officer. He brings more than 15 years' experience in engaging Traditional Owners and Indigenous Communities in Land and Sea Management. Brian is passionate about providing training and knowledge exchange to communities and Traditional Owners to manage their own sea and country.



Brian Stacey

Brian Stacey is an anthropologist by training and worked in the Australian Public Service for more than 30 years in Indigenous Affairs. He started in Alice Springs as a graduate clerk for the former Department of

Aboriginal Affairs in 1983 and worked with CfAT in helping Aboriginal people to return to their country. Ultimately Brian became a senior officer including the State Manager in the Northern Territory and a Division head responsible for Land for Indigenous people. Brian has left the Public Services and now works as a consultant.

Who we are

launched later in the year. This was a significantly rewarding cultural experience for all concerned. We look excitedly towards a fantastic launch and media event on the site, as this is something to be very proud of for a small Aboriginal business based in Alice Springs. Hopefully we can continue to lead by example with other Indigenous groups in an International context into the future!

The Board has been proactive particularly through the CEO's stewardship in continually developing partnerships and agreements with external multinational third parties to develop our Heath Rd site with some very exciting projects underway through the newly established CfAT Satellite Enterprises subsidiary company. This has really opened up our engagement within new business contexts and networks such as Indigenous Business Australia and the US based ViaSat Corporation.

The support through CfAT Company Group for our expanding subsidiary, Ekistica, has also been a highlight for our Board. The senior project management and technical expertise through the work of Lyndon, Michael and the Ekistica Board provides the Group with some very solid and sought after capacity that is hard to find in remote regions. Ekistica is growing its presence in a highly competitive Industry across Australia and the world and is something the Board is very proud of, as is their leadership of the Intyarlemne Project through Desert Knowledge Australia.

Strengthening our relationship with the Northern Territory Government on some major infrastructure and social outcome projects that have wide application throughout the NT and not just in Aboriginal communities has also been another highlight for CfAT. The Territory Government continues to be very supportive of CfAT.

Feedback I have received indicates that external parties view us as a credible, innovative, professional and stable Aboriginal business in new and emerging spaces while also maintaining our connectedness to our core values and purpose and our relevance to Aboriginal people remotely. The Board are also

maintaining across the southern NT successful engagement with local Aboriginal organizations and businesses and some from the Northern reaches on finding better ways to support and develop business and economic outcomes particularly in the remoter regions through the Aboriginal Tourism sector. CfAT is emerging as a potential leader in this space and one that could provide other businesses with backend, infrastructure and technical support to develop or grow businesses in the bush.

Our Registered Training Organization has continued to provide much needed training outcomes in remote areas for Aboriginal people and is looking to be a growth area for the business. We have been developing pathways for new and emerging talented Aboriginal staff supported by strong senior leadership to deliver our RTO in this much needed impact area.

The Commonwealth's Community Development Program was a new space for CfAT this year through our joint venture partners in My Pathway and working closely with Urapuntja Aboriginal Corporation in the Utopia homelands area. Despite some challenging aspects of CDP, the partnership was showing very promising signs throughout the North-East Alice region during its short 12-month timeframe, providing activities, projects and programs in conjunction with local Traditional Owners within the region, particularly on their own outstations. National tendering processes were then developed for CDP in the lead up to the Federal Election and the North East region came up for tender again. Unfortunately, our consortium and Joint Venture bid was unsuccessful. However, we remain committed to people in the region and will hopefully find other avenues to continue to provide support where we can. CDP is a much contested space and this experience has been very valuable learning and understanding how larger National programs struggle to find appropriate processes to get major beneficial impact for Aboriginal people on the ground. Let's all hope people in the bush affected by decisions externally can find a way continue to strive and survive on country.

The Chair's report

Board and memberships have stabilized over the last couple of years and the support from members is very much appreciated. I have enjoyed catching up with many of you and hearing your thoughts and ideas on the future for CfAT, and how proud you all are of our operations and the impact we continue to have with Aboriginal people.

We have continued to maintain our strong commitment to the Desert Knowledge Precinct site and the home of the Desert Peoples Centre operations by actively supporting events and visits to the site for all of the precinct partners including Batchelor Institute and Desert Knowledge Australia. Working closely with the Elder in Residence, CfAT was able to continue and expand on the linking of Indigenous and Aboriginal groups across the globe. In particular, we facilitated an exchange of knowledge, ideas and art through the engagement of a Lakota Native American artist to meet with the CfAT Board and local Arrernte Artists in June for the commissioning of beautiful artwork on the second Geoscience Australia Satellite Dish which will be officially

Who we are

The Chair's report continued

Again another very challenging year for the Centre for Appropriate Technology Ltd but one that we feel we have continued to have significant impact in the local, Northern Territory and National areas.

As for my role, the Board decided early in the new financial year that it be restructured to be a full time Executive Chairman which is a much clearer arrangement that reflects better the reality of what I have been doing.

I would like to thank our members and Board for their vision and leadership coupled with the operational support of senior management to getting us through another year of solid progress.

Peter Renehan
CfAT Executive Chairman

The CEO's report

This year marked a significant milestone for CfAT with the announcement of two exciting major projects at our Heath Road site, that address the company strategy to 'monetise our land assets to generate income'. Income that can be re-invested in our core business of supporting people in regional and remote Australia in the choices they make to maintain their relationship with Country.

In June, following over 2 years of negotiations, we publicly announced the establishment of a commercial satellite ground station project at Heath Road, in partnership with Indigenous Business Australia and Viasat Inc, a US multi-national satellite communications and technology company. Our announcement received significant media coverage both in Australia and internationally, including a film clip of our Chair on SBS TV.

As part of this project we established a new proprietary 'spin-off' company CfAT Satellite Enterprises Pty Ltd (CfATSE) a wholly owned commercial subsidiary of CfAT Ltd. CfATSE



will finance (via a \$6M Equity finance loan from IBA), construct and own the commercial satellite ground station facility, to be operated under license by Viasat Inc. The Heath Road facility is part of a global network of 11 ground stations being established by the Viasat 'Real Time Earth' business to provide commercial satellite communications for earth observation satellites. The facility will generate significant, six figure independent income for CfAT, in the form of; operating license fees, ground license fees, annual contract for facility management & maintenance (1.5FTE Aboriginal jobs) and a profit share agreement. CfAT Ltd has also been awarded the \$800K site development project management contract in partnership with Ekistica. Much of the site development will be undertaken by the CfAT Enterprise workshop and Facilities team. The facility will be operational in April 2020.

As a result of the publicity around this development, and with assistance from the Northern Territory Government Department of Trade, Business and Innovation. CfAT was

Who we are

The CEO's report continued

introduced to a major European commercial space industry company looking to host an optical satellite tracker in Central Australia. Negotiations to host the facility at Heath Road are being finalized at the time of reporting.

In December CfAT signed a three-year contract with the Northern Territory Department of Justice to manage, in partnership with the NT Aboriginal Justice Unit, a pilot residential 'Alternatives to Custody' program based at the CfAT Life Skills facility, Heath Road. The program aims to provide assistance and support services to Aboriginal females who have come into contact with the Criminal Justice system. Whilst this program is a departure from CfATs core business, we are proud to be part of this important new initiative. The program also puts the Life Skills facility to full time productive use, and generates a rental and facility management income stream to CfAT.

Last year we reported the commercial partnership with Lendlease to manufacture designer furniture in our workshop

for their major Darling harbor project in Sydney. We are pleased to report that our workshop team delivered 50 Wren chairs and 10 tables that are now installed in the Darling Harbour outdoor precinct. In addition, during the year CfAT was contracted by Koskela, a design company engaged by Lendlease to design and procure additional furniture for the Darling Harbour project. The workshop delivered an additional 200 chair frames and 80 stools that will be installed in the Darling Square food court.

Our operations team has had a busy year working in remote Aboriginal communities on a number of community engagement and infrastructure projects; including the DCIS community mobile phone blackspot program consultation, a new 3 year Telstra/Roy Morgan Research Digital Inclusion Survey contract, to determine remote community residents views on Telstra's service both in the NT and North Queensland, and water conservation and management strategies in Central Australian communities on behalf of Power and Water.

Our Darwin team officially handed over the keys to the Koongarra Homeland in Kakadu to the Traditional Owner Jeffery Lee in October. This major project funded by Prime Minister and Cabinet comprises a two storey 3-bedroom house, water bore and reticulation, solar renewable energy system, and bush campsite on a previously 'greenfield' site. Jeffery Lee was involved in all stages of the planning, design and construction, and the project was delivered on scope and on budget.

In North Queensland, our Cairns office coordinated the delivery of new water supply infrastructure to the Lama Lama people through the Yintjingga Aboriginal Corporation (YAC) of Port Stewart in Cape York. Since the water infrastructure was destroyed by cyclone Monica in 2006, the community has had to rely on temporary supply measures. In a major success for our partnership with Engineers Without Borders(EWB), in late 2018 the new water supply was turned on at Port Stewart. The Multinational Engineering Company ARUP provided the detailed design and project support entirely pro bono,

assisting CfAT and YAC to source the necessary \$300,000 of funding needed to build the design. Our subsidiary Ekistica project managed the installation.

Throughout the year our Registered Training Organisation has further built relationships with other Aboriginal corporations: ALPA, Rise-Ventures, Ngurratjuta Aboriginal Corporation, Ingkerreke Constructions, and Tangentyere Constructions/ Employment. Delivering accredited 'in place' training, primarily; construction, rural operations, and plant operation, to students in remote communities. A highlight was the program to deliver Cert II Construction training at Gunbalanya, that had an average of 22 students attending daily.

The Company maintained our Aboriginal workforce at over 50% throughout the year. Our facilities team continues to deliver outstanding facilities management for both CfAT and number of external clients including Batchelor Institute, Desert Knowledge Australia, Geoscience Australia (EvolveFM) and Ekistica, who contracted the team to construct automatic weather stations as part of a NT Government contract. We continue to receive very good feedback from our clients regarding the services the team delivers.

During this year we renewed our engagement in remote research, partnering on a new project funded by the Cooperative Research Centre for Developing Northern Australia(CRCNA), led by QUT's Digital Media Research Centre. The 12-month Northern Australian Communication Analysis Project involving a consortium of; QUT, Premise, James Cook University, Charles Darwin University, CfAT and Regional Development Australia Northern Territory, aims to identify barriers and provide solutions to enhance telecommunications and internet connectivity, as well as digital inclusion more broadly, in the North.

Dr Steve Rogers
CfAT Chief Executive Officer

What we do

Our Strategic Plan sets out four Goals

Following are some highlights from the year



1

Transition to a successful enterprise based not-for-profit business

2

Further establish CfAT as a remote technology innovation leader

3

Maximising Aboriginal and Torres Strait Islander employment

4

Building training and skills development outcomes

What we do – achieving Strategic Goal

1

2

3

Viasat Real Time Earth Commercial Satellite Ground station

This exciting project will not only deliver significant income for us, meeting our enterprise goal (1) but also positions CfAT as a cutting edge remote technology innovation leader (goal 2) and provides employment for our Aboriginal workforce (goal 3). The facility will be part of a global network that communicates with satellites taking images of the earth every 90 minutes, the images will be downloaded to our facility for paying customers of Viasat Inc. The information provided from Earth Observation satellite imaging is used in many applications especially land management, providing direct relevance of this project to remote Indigenous ranger groups, many of whom are using this type of information to manage their Traditional Country. The Google earth image shows where the two new antenna will be located.



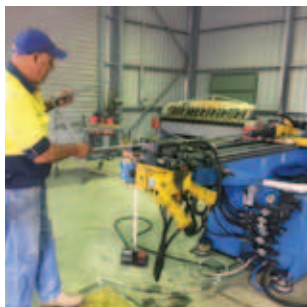
What we do – achieving Strategic Goal

1

3

Wren Furniture for Sydney's Darling Square

Lendlease commissioned Elliat Rich to design and CfAT to manufacture the 'Wren' suite of Furniture to be placed in the public realm area of Darling Square, their Sydney urban redevelopment. After 15 months in development, the first furniture order comprising 50 chairs and 10 tables was delivered to the Darling Square site in June 2019. CfAT invested in a Computer Numeric Controlled (CNC) pipe bender to expand our capacity in the manufacture of the furniture frames.



What we do – achieving Strategic Goal

1

3



Production of Chair and Stool Frames for Koskela

A second order was placed by Lendlease during the year when they commissioned Koskela, a nationally known design company, to design and CfAT to manufacture metal frames for chairs and stool for the Darling Square, Sydney food court areas. The workshop manufactured and supplied 200 chair frames and 60 stool frames for Koskela, which were then shipped to Sydney for completion. A close working relationship was built with a nationally known design company which will hopefully contribute to building our national profile for furniture products.



What we do – achieving Strategic Goal

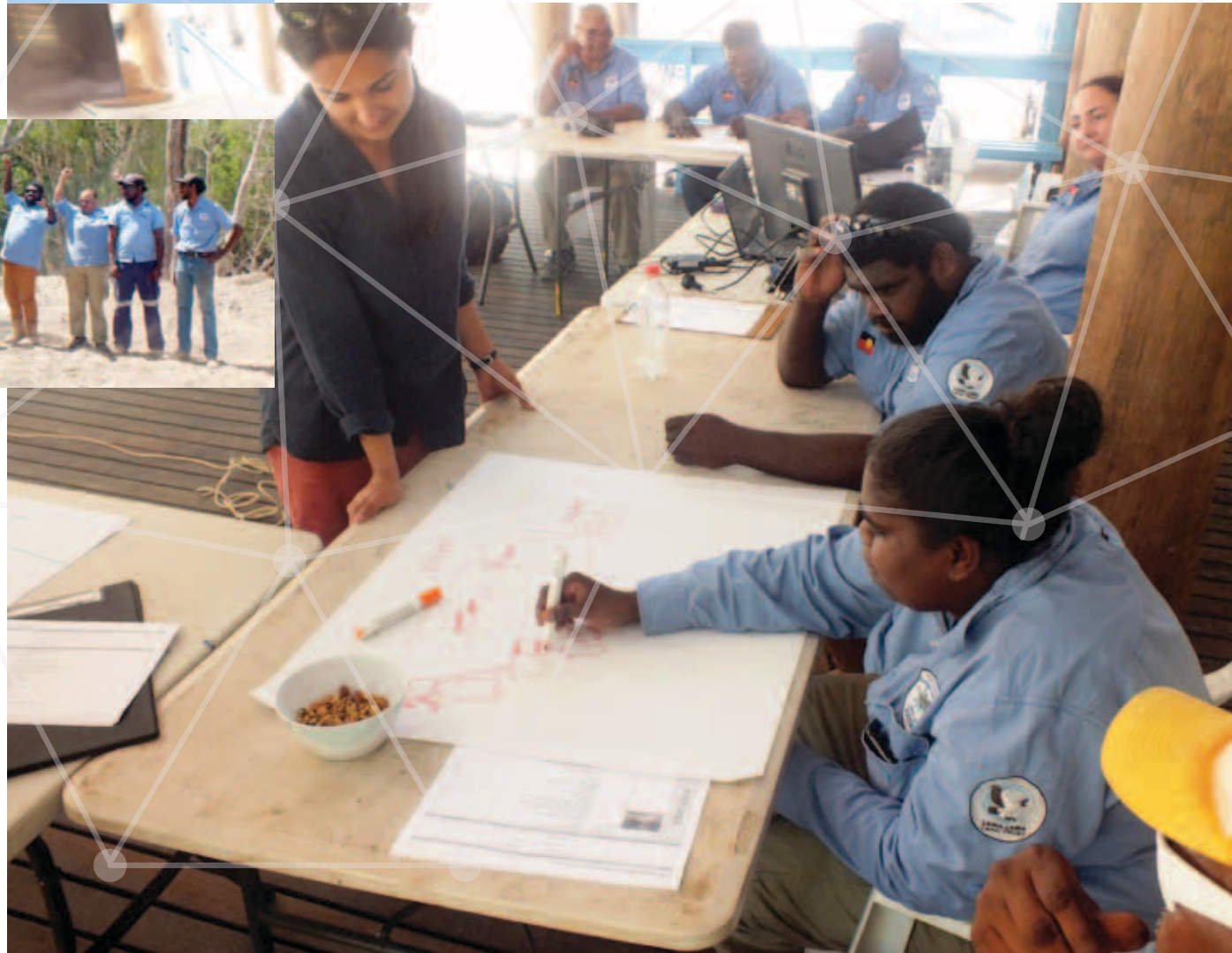
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Port Stewart Water supply - Yintjingga Aboriginal Corporation



For over a decade the Lama Lama people of Port Stewart in Cape York have been struggling to source a safe and reliable supply of water. CfAT lead the development of a new supply system and help the Lama Lama get a new cyclone proof water supply established.

In a major success for our partnership with Engineers Without Borders (EWB), in late 2018 the new water supply was turned on at Port Stewart. CfAT has spent several years working with Multinational Engineering Company ARUP, sourced by EWB, to design a new water intake system. ARUP provided the detailed design and project support entirely pro bono and Ekistica project managed the installation, CfAT and the Lama Lama Rangers finally turned on the solar arrays and started pumping in November 2018 just before the wet season hit.



Design and development of the Bicycle Repair Station

NT Parks and Wildlife funded Ekistica and CfAT jointly to design and fabricate 2 bicycle repair stations for installation at the Alice Springs Desert Park and the Alice Springs Telegraph Station.

The repair stations were fabricated in mild steel, which were given a rust finish, and equipped with a set of stainless steel tools and a sturdy hand pump. The tools and pump were affixed with quality fixings designed to be tamper-proof and to protect the tools and pump from the harsh desert environment.



What we do – achieving Strategic Goal

1

2

Hand-over of Koongara Homeland

Our Darwin team officially handed over the keys to the Koongara Homeland in Kakadu to the Traditional Owner Jeffery Lee in October 2018. This major project funded by Prime Minister and Cabinet comprises a two storey 3-bedroom house, water bore and reticulation, solar renewable energy system, and bush campsite on a previously 'greenfield' site. Jeffery Lee was involved in all stages of the planning, design and construction, and the project was delivered on scope and on budget.



What we do – achieving Strategic Goal

2

2

Water Efficiency engagement for Power and Water, Engawala and Atitjere



Ongoing water supply security is a critical issue for many remote Aboriginal communities in Central and Northern Australia. This project with Power & Water involved two visits to each community to discuss the fragility of the water resource and how it's over consumption effects sustainability and development of the community. Strategies and actions to conserve water were also discussed with community members.



Environmental Audit, Power Usage, Thamarrur Development Corporation, Wadeye

Thamarrur Development Corporation Ltd (TDC) engaged CfAT and Blue Environment Pty Ltd to perform an environmental audit on their operations at Wadeye, NT. To identify environmental issues and gaps in current operations/ processes. The team delivered a detailed assessment of; environmentally sustainable practice and technology recommendations, reuse and recycling opportunities at Wadeye and identification of strategies to raise awareness regarding environmentally sustainable practice within TDC and more broadly across the community

CRCNA Northern Australia Communications Analysis project

CfAT was a project partner in a project funded by the Cooperative Research Centre for Developing Northern Australia (CRCNA) The 12-month Northern Australian Communication Analysis Project mobilised a consortium of research, business and industry partners - including QUT, Premise, James Cook University, Charles Darwin University, CfAT and Regional Development Australia Northern Territory, to identify barriers and provide solutions to enhance telecommunications and internet connectivity, as well as digital inclusion more broadly, in the north.



Tennant Creek Weather Station

Earlier this year CfAT was contracted by Ekistica to prepare the foundation work for a weather station based at the Juno Learning Centre, about 15 km east of Tennant Creek. Part of a network of four weather stations funded by the NT Government Office of Chief Minister to support the Governments renewables target. Despite the flies our Facilities team completed the project according to the scope of works.





Civil Engineering Plant Operations Training at Mutitjulu

In partnership with the Mutitjulu Aboriginal Organisation, CfAT delivered training to community based students in Certificate III Civil Engineering Plant Operations, for licences to operate graders, skid steers and backhoes. The community was very grateful when the tip road was graded as part of the training, they had been waiting for nearly two years to have it done. Also, one of the students graded the cemetery road by himself, his main concern was for the elder ladies travelling down the rough road.



What we do – achieving Strategic Goal

4

Elliot Cert II Construction pathways training



The CfAT training group spent three months at Elliott delivering a Cert II in construction pathways. Eight participants completed the course and received their certificates.



What we do – achieving Strategic Goal

2

4

Ranger Planning – Torres Straits – Masig Island

Building on many Healthy Country Planning projects, in QLD, CfAT partnered with Conservation Management Pty Ltd to assist the islands of the Torres Straits adapt and update their Ranger plans. Commissioned by the Torres Strait Regional Authority, CfAT utilised the international Open Standards for the Practice of Conservation as a basis to develop and implement an appropriate and rapid community engagement process to update all 13 island ranger programs. The new plans will reflect the international adaptive land management standards while allowing a community voice to guide the implementation of their working on country programs.

In early 2019 the first pilot process was run with the Masigalgal community and rangers on Masig Island. This project has since been expanded to all remaining islands to be rolled out over the next 2 years.



How we fare



Ekistica Pty Ltd

Company report for 2018-19

Introduction: The 2018-19 financial year saw Ekistica continue its solid performance with a 15.8% growth in annual revenue and a final EBIT of 10.2%. Internal resourcing challenges and delays to several projects meant these results were below the year's growth targets, however, the company remains well placed to support further growth in the coming years while also delivering of a fully franked dividend of \$180,000 to the Centre for Appropriate Technology Limited.

Ekistica closed the year with 26 professional staff and over 50% of the coming year's revenue already secured through numerous exciting remote and regional infrastructure development and delivery projects.

Capability and Capacity: Ekistica provides advisory, design engineering and project delivery services for a wide range of clients that includes state and national government agencies, utilities, commercial companies, private fund management firms, community organisations and multilateral development agencies and banks, working on projects across regional and remote Australia and the Asia-Pacific region.

The 2018-19 year saw Ekistica consolidate and continue to build its capability across all its engineering and project delivery services, while further building capacity to deliver on larger, more diverse and challenging projects. During the year, the company also maintained its ISO 9001:2015 certified Quality Management System, achieved a zero-lost time safety case rate, and provided significant ongoing support for staff professional development which included two new staff achieving chartered engineer status.

Knowledge and Impact: Ekistica has continued to deliver a diverse range of small to large scale projects in new and established sectors during the 2018-19 year. Significant projects completed over the year include:

- Community Wi-Fi project. Project management services for the Department of Prime Minister and Cabinet supporting the upgrade of remote community phones to the Sky Muster network and provision of public Wi-Fi hotspots in over 70 indigenous communities across remote Australia.
- Northern Territory Solar Resource (NTSR) Project. Delivery of an NTG funded project that saw the design and installation of meteorological stations across four sites in the NT providing free, public-access, high-resolution, long-term weather data chosen specially for their relevance to renewable energy research and development.
- New water intake and treatment structure. Project management services for construction at Port Stewart, Queensland, in partnership with Yintjingga Aboriginal Corporation and Centre for Appropriate Technology.
- Independent Solar PV Assessments. Various off-grid community solar PV installation assessments for both MacDonnell Regional Council and Indigenous Business Australia in the NT.
- Humpty-Doo Barramundi Farm. Design and development services for large, commercial solar PV systems.
- "Off Grid Guide." Developed for the Intyalheme- Centre for Future Energy project of DKA, a best practice guide to procurement, deployment and maintenance of off-grid solar power systems in the Northern Territory.



How we fare

New and continuing projects over the year include:

- ARENA Knowledge Share Program. Delivery of ARENA's Knowledge Sharing and Data Handling program for both the Regional Australian Renewables and Large-Scale Solar programs.
- NT Government Remote Community Housing Program. Project management services on behalf of the NTG Department of Infrastructure, Planning and Logistics, with over 100 new builds/rebuilds/upgrades either delivered or in progress since September 2016 in thirteen remote indigenous communities across Central and Northern NT.
- Granville Harbour Wind Farm. Project development and project management of a 111MW wind farm and network connection infrastructure on Tasmania's northwest coast.
- Ross River Solar Farm. Project development and equity due diligence, owner's engineer and project management of one of the largest solar farms in Australia (148 MW) in Townsville, Queensland.
- Desert Knowledge Australia Solar Centre. Ongoing management and development of this solar demonstration facility in Alice Springs, which was first opened in 2008.
- Network Construction Advisor contract with the New Zealand Ministry of Foreign Affairs and Trade. Technical advisory services in support of various distribution line extensions in Papua New Guinea.
- Mutitjulu Community Business Centre. Technical and project management services supporting the Mutitjulu Community Aboriginal Corporation in the development of a new community Business Centre.
- Yulara Power Station Upgrade. Identification of the lowest cost solution for the upgrade to Territory Generation's power station at the township of Yulara, development of tender specifications for the upgrade and development of an ARENA application for a proposed hydrogen extension to the power station.
- Future Supply of Electricity in Jabiru. Determining the most cost-effective power generation mix and system control strategy for a new power station in the township of Jabiru through demand estimation, network assessment, capacity modelling and generation option assessment, with associated implementation plan.
- Intyalheme Centre for Future Energy. Provision of technical advisory, project management and stakeholder engagement services to the Intyalheme project.
- CfAT ViaSat Ground Installation. Project management of the design and procurement of services associated with the installation of a ground satellite system in conjunction with Centre for Appropriate and Indigenous Business Australia (IBA).
- Wilpena Pound Resort Power Station. Technical assistance to IBA for the procurement of the Wilpena Pound Resort power station, and design, tendering and project management of power station upgrade.
- Solar PV for Pumping Station. Design and project management of the grid-connected solar PV system at the Power and Water Corporation DAF Plant and Ponds Main Pumping Station, Alice Springs.

Financial Sustainability: Over the 2018-19 year, Ekistica continued to deliver on its mandate to export knowledge from remote areas to other contexts, and constructively impact the world; and to expand the capability and capacity of regional and remote areas of Australia and the developing world, supported by a foundation of sustainable financial returns. End of year financial results saw the company make a profit sufficient to support the continued building of internal cash reserves to support future growth while also providing a fully franked dividend of \$180,000 to CfAT Ltd.



Statement of profit or loss and other comprehensive income

	Consolidated		Parent	
	2019	2018	2019	2018
	\$	\$	\$	\$
Sales revenue	7,071,156	5,591,870	2,882,560	2,342,886
Other	2,481,648	3,433,000	2,481,376	2,847,193
Total income	9,552,804	9,024,870	5,363,936	5,190,079
Employee benefits expenses	4,846,072	5,036,948	2,101,177	2,555,030
Depreciation and amortisation expenses	409,141	334,475	274,829	269,055
Other expenses	4,358,645	3,330,107	3,320,144	2,439,810
Income tax expenses	111,265	150,872	-	-
Total expenditure	9,725,123	8,852,402	5,696,150	5,263,895
Surplus/(deficit) for the year	(172,319)	172,468	(332,214)	(73,816)
Revaluation changes for property, plant and equipment	1,195,141	-	1,195,141	-
Total comprehensive Income/(loss) for the year	1,022,822	172,468	862,927	(73,816)

Statement of financial position

	Consolidated		Parent	
	2019	2018	2019	2018
	\$	\$	\$	\$
Current assets cash, investments, receivables, other	6,207,485	5,984,665	3,751,843	3,952,058
Non current assets property, plant and equipment	11,725,066	10,639,229	11,607,478	10,400,166
Other assets	92,143	180,099	-	-
Total assets	18,024,694	16,803,993	15,359,321	14,352,224
Current liabilities creditors, accruals, provisions, other	2,913,922	2,784,644	1,676,618	1,546,788
Non current liabilities provision for long service leave	73,120	71,643	36,055	21,715
Other liabilities	287,405	220,281	-	-
Total liabilities	3,274,447	3,076,568	1,712,673	1,568,503
Net assets	14,750,247	13,727,425	13,646,648	12,783,721
Equity				
Accumulated funds	2,166,770	2,339,089	1,063,171	1,395,385
Reserves	12,583,477	11,388,336	12,583,477	11,388,336
Total equity	14,750,247	13,727,425	13,646,648	12,783,721

Notes to the financial report

1 Basis of Preparation

The financial statements are general purpose financial statements that have been prepared in accordance with the Australian Accounting Standards and the Australian Charities and Not-for-profits Commission Act 2012.

2 Summary of Significant Accounting Policies

(a) Income Tax

The Company is exempt from income tax under Division 50 of the Income Tax Assessment Act 1997.

The controlled entity is subject to income tax.

Current income tax expense charged to the profit or loss is the tax payable on taxable income calculated using applicable income tax rates enacted, or substantially enacted, as at the end of the reporting year. Current tax liabilities (assets) are therefore measured at the amounts expected to be paid to (recovered from) the relevant taxation authority.

(b) Revenue and other income

Revenue is recognised when the amount of the revenue can be measured reliably, it is probable that economic benefits associated with the transaction will flow to the Group and specific criteria relating to the type of revenue as noted below, has been satisfied.

Revenue is measured at the fair value of the consideration received or receivable and is presented net of returns, discounts and rebates.

All revenue is stated net of the amount of goods and services tax (GST).

Sale of goods

Revenue is recognised on transfer of goods to the customer as this is deemed to be the point in time when risks and rewards are transferred and there is no longer any ownership or effective control over the goods.

Grant revenue

Grant revenue is recognised in the statement of profit or loss and other comprehensive income when the entity obtains control of the grant, it is probable that the economic benefits gained from the grant will flow to the entity and the amount of the grant can be measured reliably.

When grant revenue is received whereby the entity incurs an obligation to deliver economic value directly back to the contributor, this is considered a reciprocal transaction and the grant revenue is recognised in the statement of financial position as a liability until the service has been delivered to the contributor, otherwise the grant is recognised as income on receipt.

Centre for Appropriate Technology Ltd and Controlled Entity receives non-reciprocal contributions of assets from the government and other parties for zero or a nominal value. These assets are recognised at fair value on the date of acquisition in the statement of financial position, with a corresponding amount of income recognised in the statement of profit or loss and other comprehensive income.

Interest revenue

Interest is recognised using the effective interest method.

Rendering of services

Revenue in relation to rendering of services is recognised depending on whether the outcome of the services can be estimated reliably. If the outcome can be estimated reliably then the stage of completion of the services is used to determine the appropriate level of revenue to be recognised in the period.

If the outcome cannot be reliably estimated then revenue is recognised to the extent of expenses recognised that are recoverable.

Other income

Other income is recognised on an accruals basis when the Group is entitled to it.

(c) Goods and services tax (GST)

Revenue, expenses and assets are recognised net of the amount of goods and services tax (GST), except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO).

Receivables and payable are stated inclusive of GST.

The net amount of GST recoverable from, or payable to, the ATO is included as part of receivables or payables in the statement of financial position.

Cash flows in the statement of cash flows are included on a gross basis and the GST component of cash flows arising from investing and financing activities which is recoverable from, or payable to, the taxation authority is classified as operating cash flows.

(d) Property, plant and equipment

Each class of property, plant and equipment is carried at cost or fair value less, where applicable, any accumulated depreciation and impairment.

Depreciation

Property, plant and equipment, excluding freehold land, is depreciated on a straight-line basis over the assets useful life to the Group, commencing when the asset is ready for use.

(e) Impairment of non-financial assets

At the end of each reporting period the Group determines whether there is an evidence of an impairment indicator for non-financial assets.

Where an indicator exists and regardless for goodwill, indefinite life intangible assets and intangible assets not yet available for use, the recoverable amount of the asset is estimated.

(f) Cash and cash equivalents

Cash and cash equivalents comprises cash on hand, demand deposits and short-term investments which are readily convertible to known amounts of cash and which are subject to an insignificant risk of change in value.

(g) Employee benefits

Provision is made for the Group's liability for employee benefits arising from services rendered by employees to the end of the reporting period. Employee benefits that are expected to be wholly settled within one year have been measured at the amounts expected to be paid when the liability is settled.

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