



Pandayal - Homelands and Housing Infrastructure Program

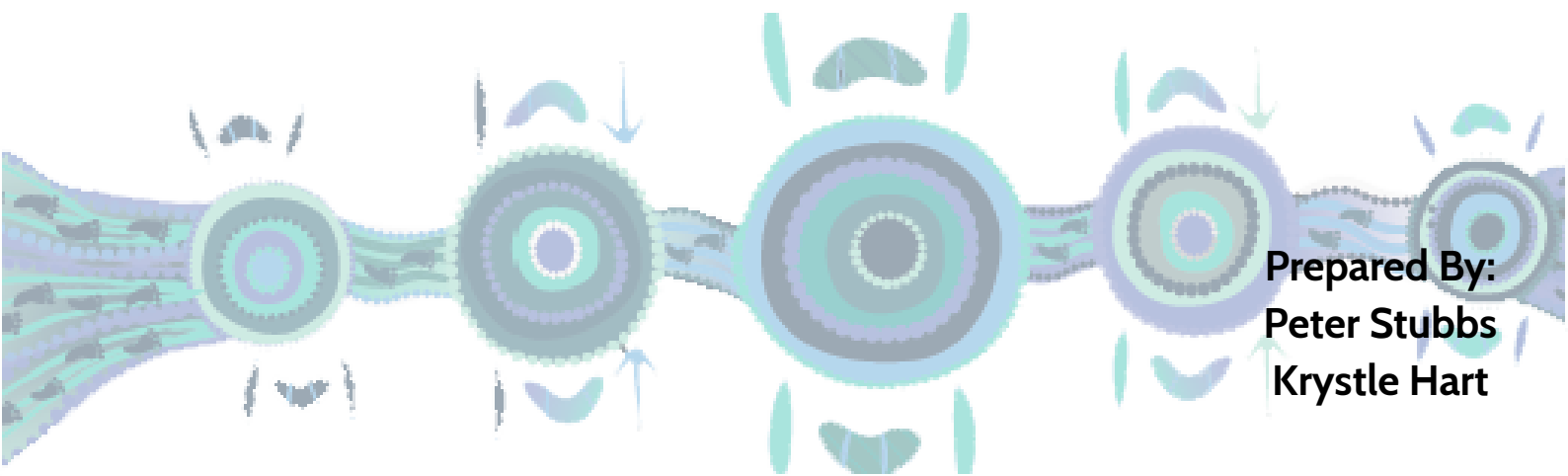
NORTH0010



YILLI RREUNG HOUSING ABORIGINAL CORPORATION
ICN: 4241 | ABN: 48 983 249 33

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Details of Works



Community:

House Number:

Asset No / Lot No:

Contract No / Project No:

Contractor

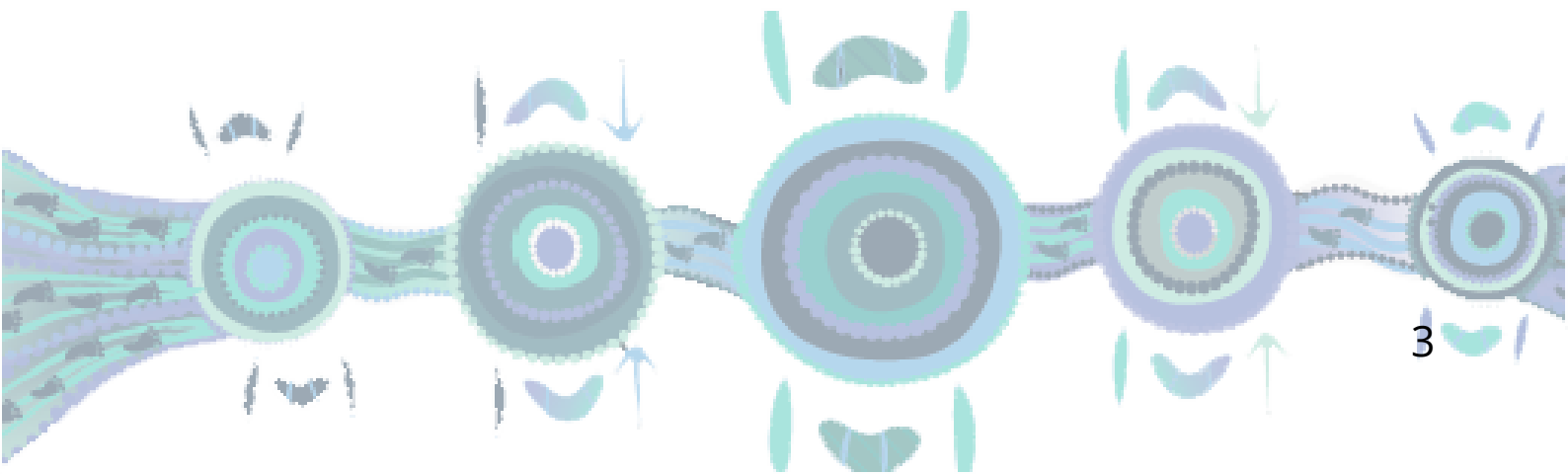
Pandayal Community

Solar Shed

Solar Shed

NORTH0010

Of Grid Electrical Installations Pty Ltd



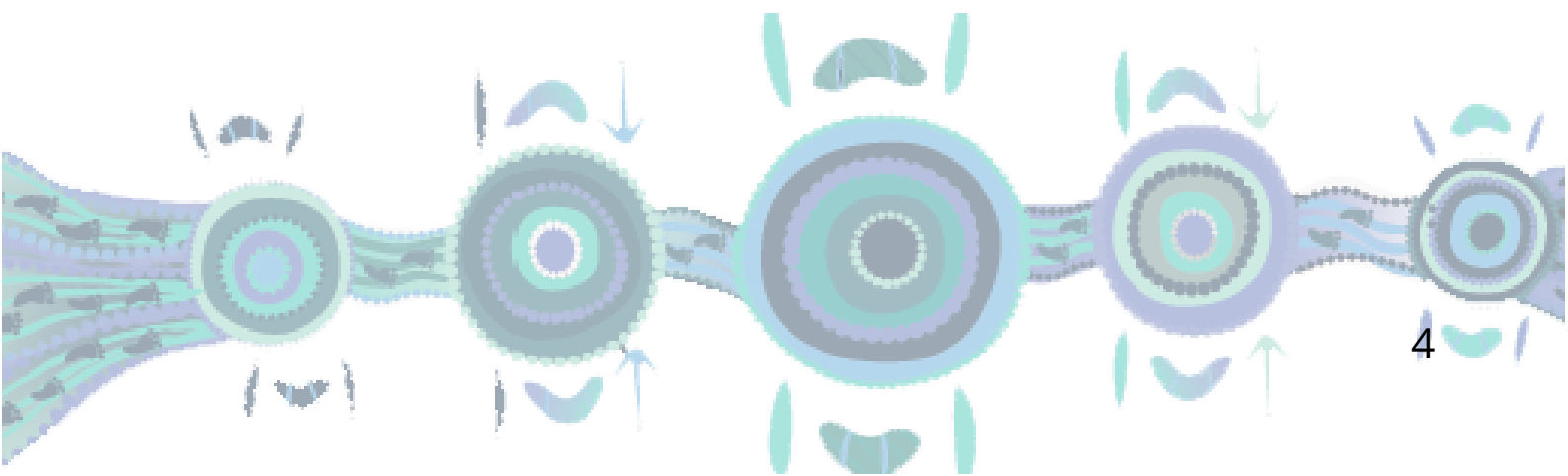
Summary

Yilli Housing delivered housing and infrastructure upgrade works within the Homelands, with a strong focus on improving health hardware and essential services. All works were undertaken in consultation with community residents to ensure local needs were prioritised.

Upgrades included significant improvements to the existing power station to provide reliable and safe solar supply for all households. Repairs and replacements to health hardware were carried out to ensure each house meets safety and living standards. These works were aimed at supporting healthy living conditions for residents by ensuring access to consistent electricity and properly functioning household infrastructure.

Completed scope of works included:

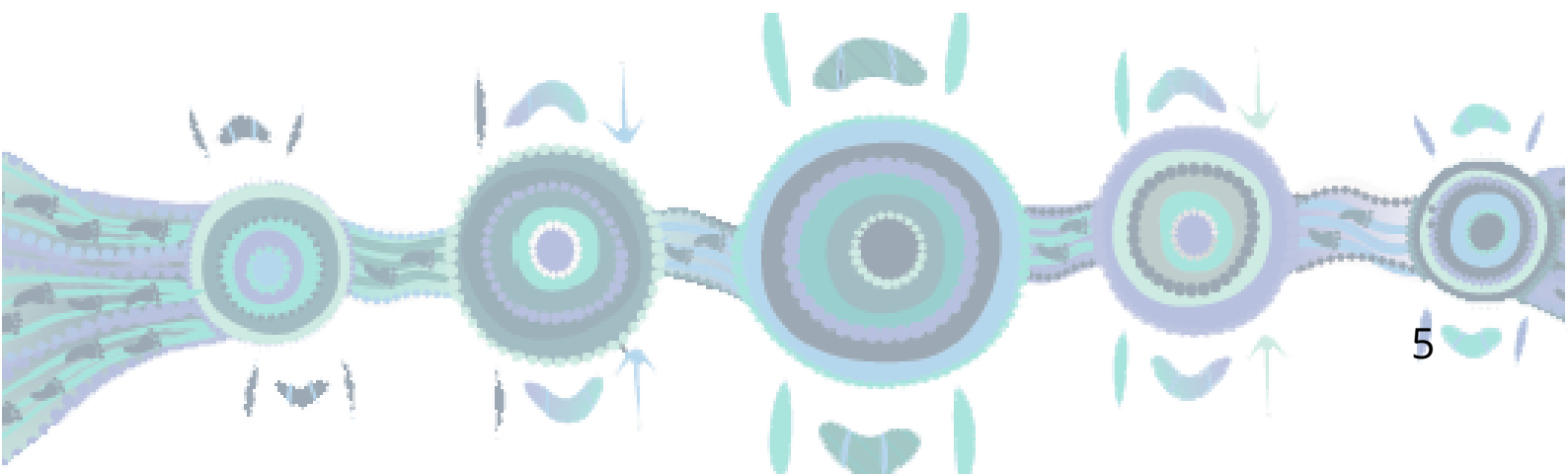
- System SP Pro 7.5kw is to be re used to help reduce costs and cover site load, an
- average 3.1Kwh was recorded when onsite completing the site visit
- Replacement of aged and damaged batteries with a new 100Kwh lithium storage
- system; After completing a site visit it was confirmed the site load 365 day daily
- average to be 76Kwh of load so the battery bank has been adjusted in sizing to
- accommodate this.
- Batteries will be installed in 2 x battery cabinets with a footprint to fit in the existing
- battery position
- Refitting of a climate-controlled battery container with insulation and air
- conditioning; This includes fitting Coolite panel to the power cube internal roof area
- Upgrades to 4 standalone solar arrays and associated infrastructure to increase
- capacity to 17.6kw; The site visit confirmed there is provision to retro fit the existing
- arrays to fit more solar than the original requested submission of 8kw



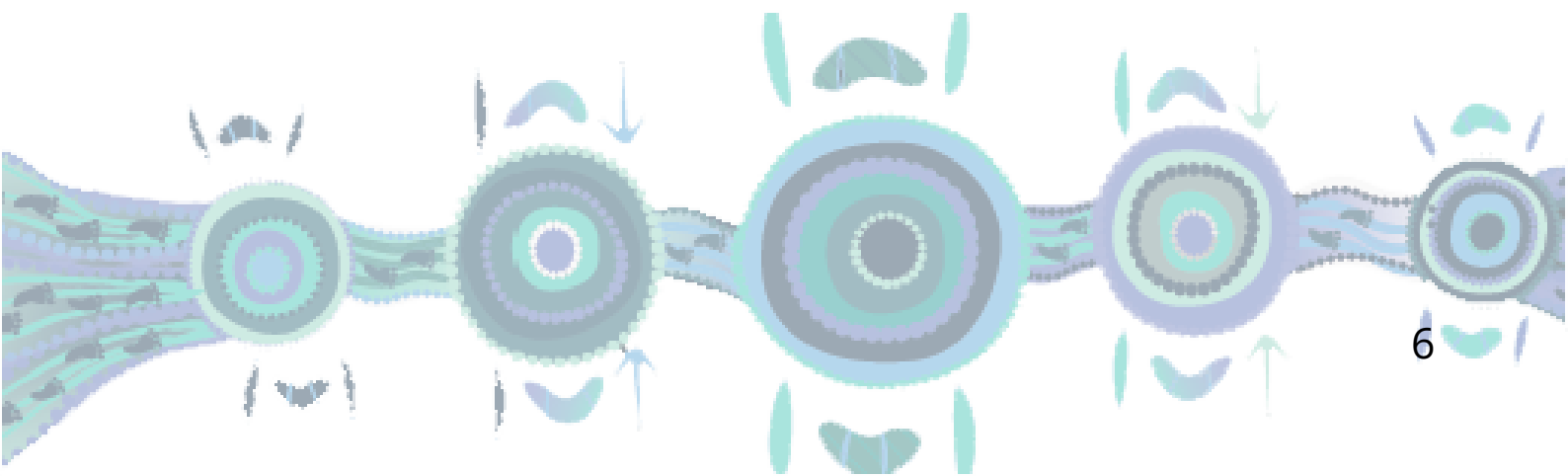
- Installation of a Victron RS 450-200 DC charger for system stability; For
- redundancy and a back up feature the DC coupled solar will have 2 x the Victron RS
- 450-200 charger controllers installed also to allow for the DC coupled solar of 17.6kw
- input power
- Incorporation of existing generator will be connected to the system, located in the
- power container as it is at present, no change to this
- The power system will be connected to the existing reticulation in the existing
- power cube to supply the community
- 72 hr Remote Monitoring Unit- DC Comms Cabinet with
- 72 hr Back Up
- Tree trimming and minor civil works to ensure safe installation
- A service package has been developed for a period of 3 years to monitor the power
- system, generator servicing, cleaning and maintenance of all components with
- allowance for 2 x site visits per year to do so, this is separate to this pricing and will
- be sent through as a separate quote

Allowance also includes:

- 100Kwh AERL Lithium battery bank, 90Kwh of useable
- battery capacity
- 2 x Battery cabinets pre wired to suit 10 x batteries per
- cabinet
- 17.6kw of Jinko 440w premium black, anodised solar
- panels
- Solar railing to accommodate retro fitting existing array
- frames to allow for 40 solar panels
- 2 x Victron RS 450/200 DC charge controller and
- associated cabling to install
- Solar isolators for solar input control

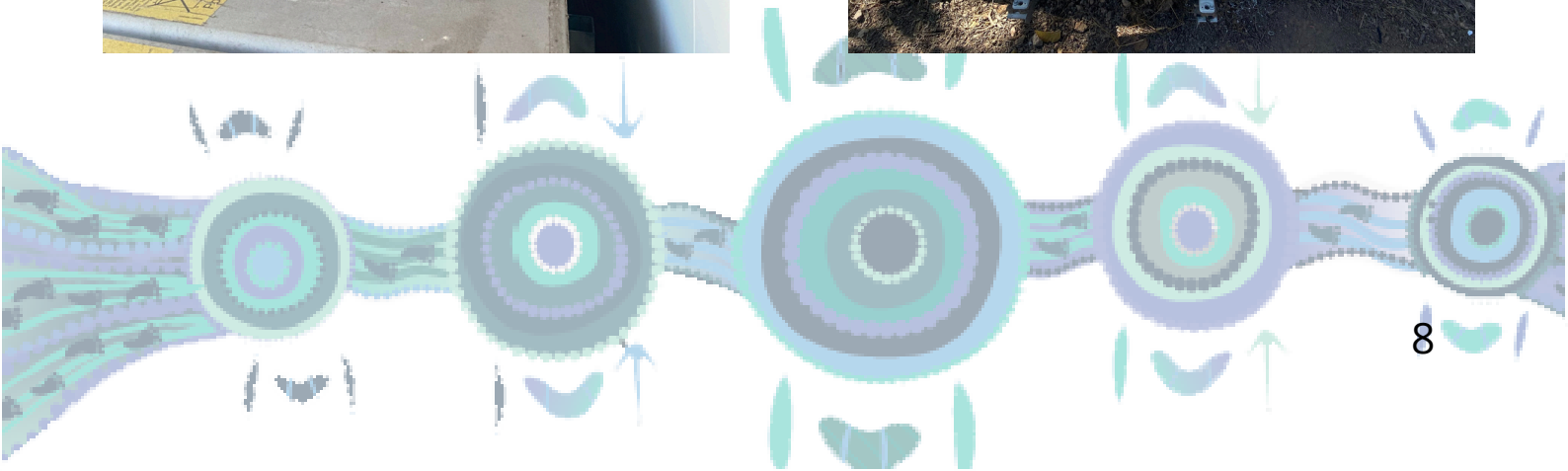


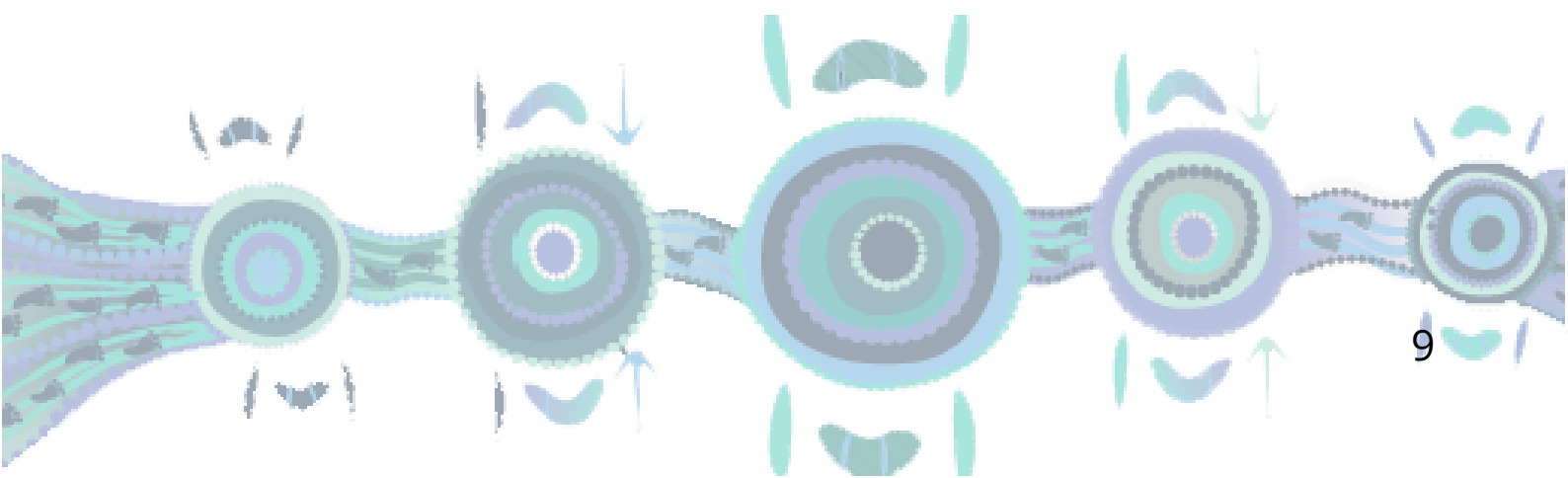
- Select Live online monitoring unit to allow remote access
- to power system and its operation via the Wifi / DC comms
- monitoring cabinet
- 2.5kw Mitsubishi heavy industries split system air
- conditioner
- Coolite panel, 50mm for internal container fit out, internal
- roof is included to have panelling installed for climate
- control
- Aluminium angle for Coolite panel fabrication
- Site grounds work, ground levelling, tree trimming, minor
- civil works
- Testing & commissioning
- Training for residents on system parts and contact details
- for any issues onsite
- 72 hr Remote Monitoring Unit- DC Comms Cabinet with
- 72 hr Back Up



Construction Photos Before







Construction Photos After



