



Walangurrminy - Homelands and Housing Infrastructure Program

NORTH00010

A decorative graphic at the bottom of the page consists of a horizontal line with several circular patterns and arrows. The circles are in shades of blue and green, and the arrows are in shades of blue and green, pointing in various directions.

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

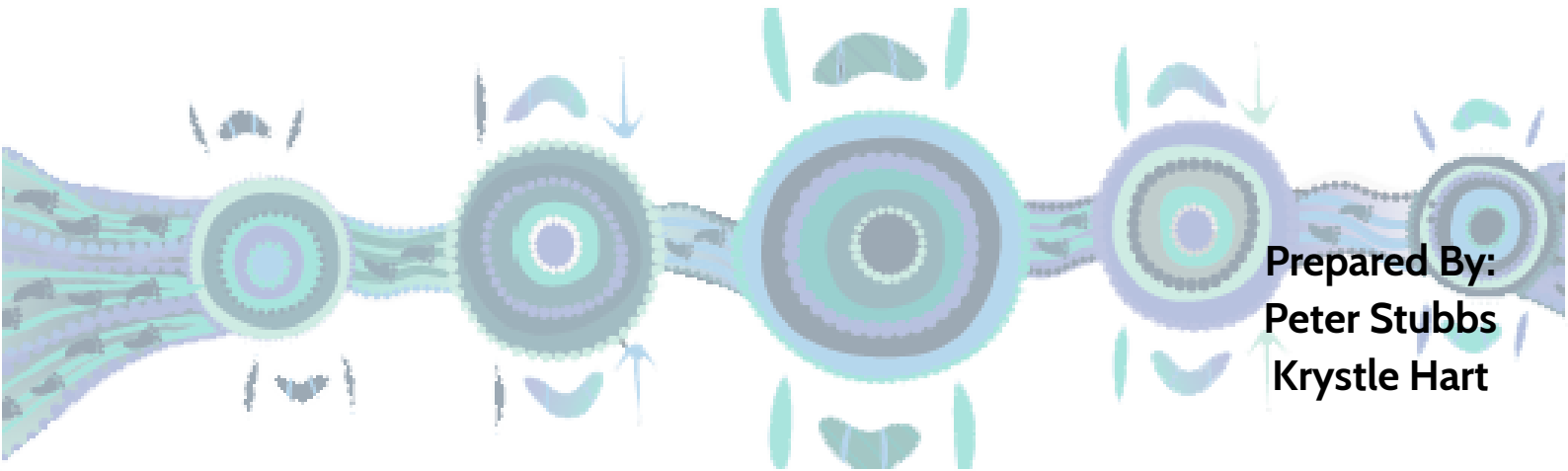
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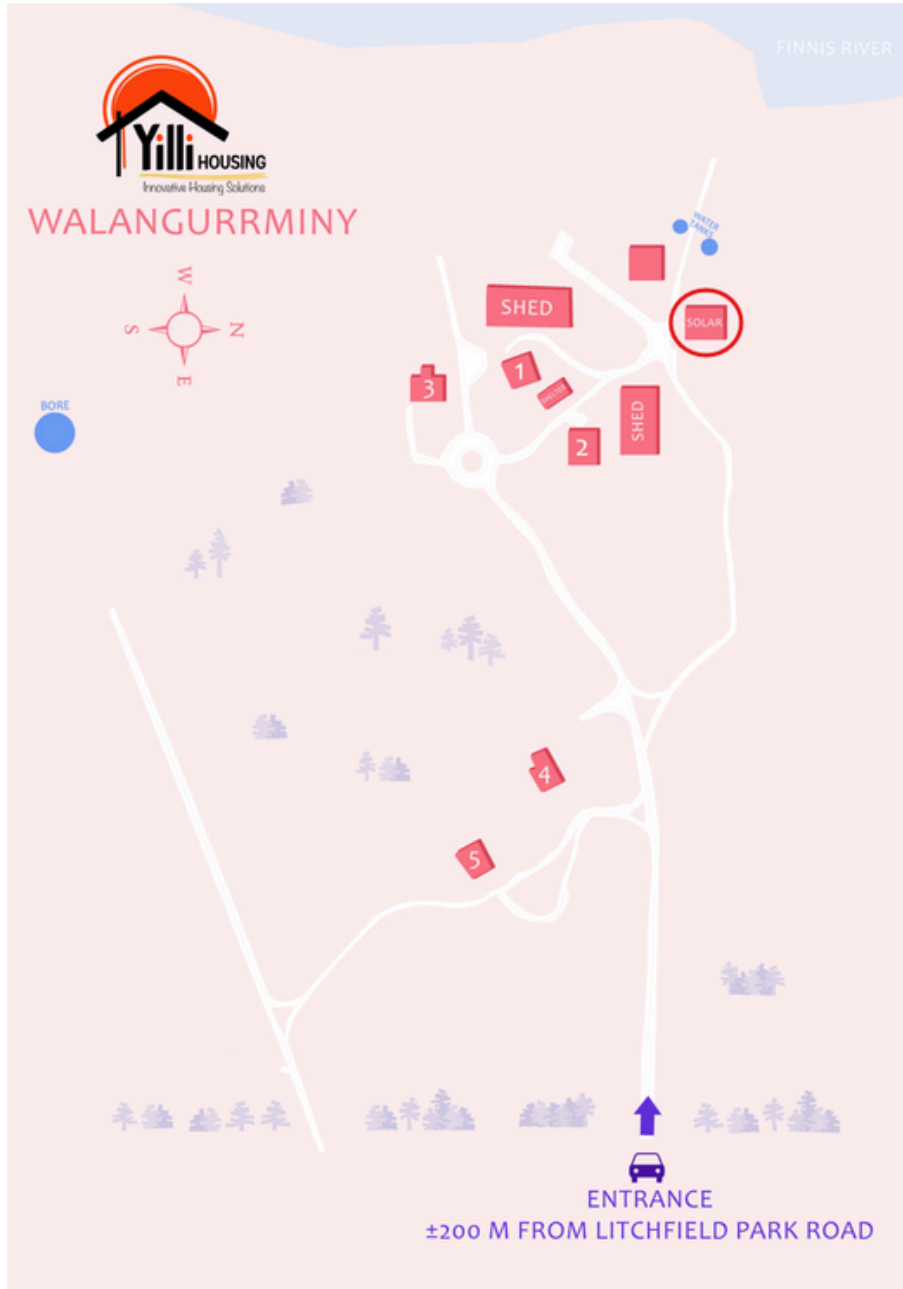
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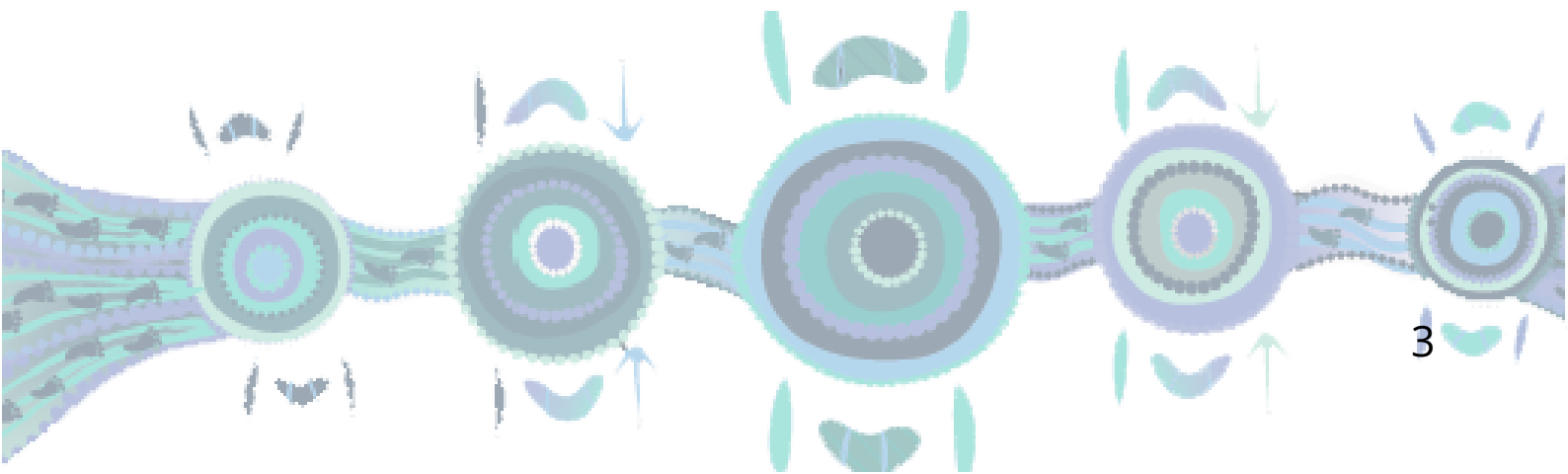


**Prepared By:
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Details of Works



Community:	Walangurrminy Community
House Number:	Solar Shed
Asset No / Lot No:	Solar Shed
Contract No / Project No:	NORTH00010
Contractor	Of Grid Electrical Installations Pty Ltd



Summary

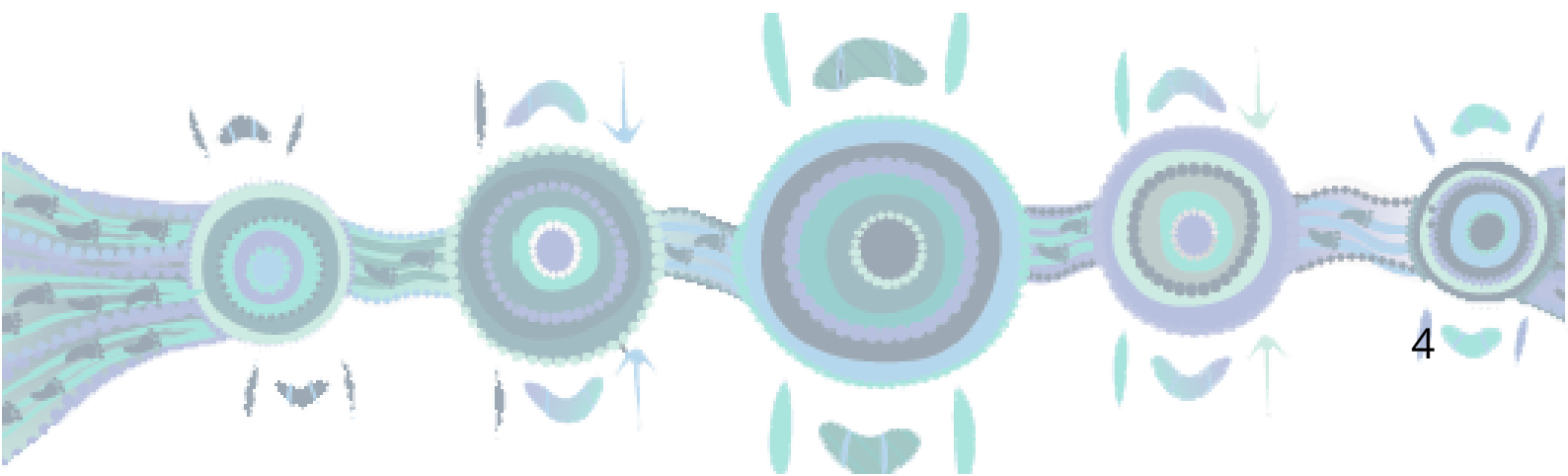
Yilli Housing successfully delivered a program of housing and infrastructure upgrades across the Homelands. All works were undertaken through a structured community consultation process to ensure that project activities reflected the priorities and needs of residents.

A major component of the project involved the upgrade of the existing power station, which improved the safety, reliability, and capacity of the community's power supply. In addition, repairs and replacements of essential health hardware were completed throughout the housing stock to ensure all dwellings met required safety and living standards.

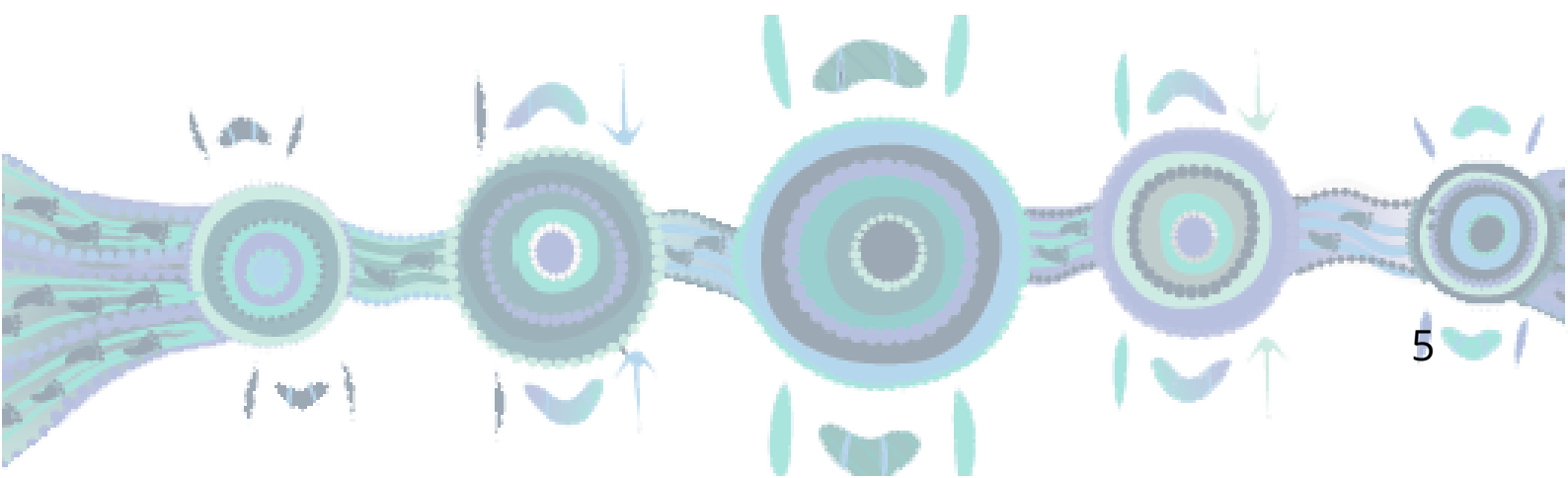
These completed works have enhanced the resilience of community infrastructure and contributed to improved health, safety, and wellbeing outcomes for residents by ensuring consistent access to reliable electricity and functional household facilities.

Completed scope of works included:

- New SPLC 1202 Selectronic series 2 inverter 20kw
- Replacement of aged and damaged batteries with a new 240Kwh lithium storage system;
Batteries will be installed in battery racks to suit battery model
- Climate-controlled battery container with Coolite panel insulation and air conditioning.
- Upgrades to existing standalone solar arrays and associated infrastructure to increase capacity to solar capacity 35.4kw; The site visit confirmed there is provision to retro fit the existing arrays and re use them
- Installation of new Clenergy solar array frame (comes with engineering certificate) adjacent the existing array frames to allow for the required amount of solar panels to be installed



- Power container roof shall have 10 x solar panels installed on it to help fit solar panels
- Secondary roof for power container, welded to container roof RHS steel with corrugated iron colour coded to match container colour
- 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 4 x the Victron RS 450-200 charger controllers installed also to allow for the DC coupled solar of 35.4kw input power
- Incorporation of existing generator will be connected to the system, located in the existing generator shed as it is at present, no change to this
- The new power container will be connected to the existing reticulation in the existing generator shed 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 solar panels and the power system are free from shading and possible damage to the 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



Construction Photos Before







Construction Photos After



