



HHIP- NT Wide Initiatives Program – Briany Birany Power Works

Solar Network Upgrade – NTWP00002	
Location:	Birany Birany Homelands
Scope of works:	<ul style="list-style-type: none"> - - SP Pro Inverter: The existing SP Pro inverter was replaced due to DC voltage faults, and the reference voltage did not correspond to the actual voltage. - New Inverters: Four Fronius Sert inverters with wireless connectivity will be installed. - New Solar Array: A 41.5kW solar panel array consisting of 83 x 500W solar modules. - Solar Regulators: Three AERL SRX600-30-120 solar regulators will be installed. - Battery Isolators: Noark battery isolators will be installed in weatherproof enclosures. - DC Isolators: DC isolators will be installed on each solar regulator. - SP Link Installation: SP Link will be installed, with the option to add Starlink. - New Battery Bank: Installation of 60 x A602/2600 Sonnenschein batteries. - Genset Auto Start: Inspection and repair of the Genset auto-start system, with hardwired generator start. - Load Shedding Contactor: Installation of a 120A load shedding contactor, controlled by State of Charge (SOC). This ensures the solar AC coupling remains on if SOC is low and the generator does not start. The installation of the control circuit will include a 0.8A glass fuse, and spare parts will be supplied. Bypass switches are in place. - DC Surge Diverter: Installation of DC surge diverters on new PV string DC cables. - Charge Settings: These follow recommendations from Baden at Exide. - SP Pro Configuration: The SP Pro configuration file is attached for reference, which includes all the charge settings and SOC controls. - Ventilation: Lower inlet ventilation has been addressed, and new vents have been installed. <p>Deltareef</p> <ul style="list-style-type: none"> - Pick up all required materials from transport company and deliver to Deltareef yard - Complete 3 x trips to and from Birany Birany to deliver materials when works are scheduled - Complete 2 x trips to and from Birany Birany mobilising excavator and skid steer when works are scheduled Mobilise 2 x workers to assist team in completing all works as per above scope - Remove all rubbish on site and dispose Demobilise all plant and machinery to Gove Truck and operator
Cost:	- \$294,855.00
Application #	NTWP00002



HHIP- NT Wide Initiatives Program – Briany Birany Power Works





HHIP- NT Wide Initiatives Program – Briany Birany Power Works



Bushgrid
Job #74
25th April 2025

HHIP- NT Wide Initiatives Program – Briany Birany Power Works



HHIP- NT Wide Initiatives Program – Briany Birany Power Works



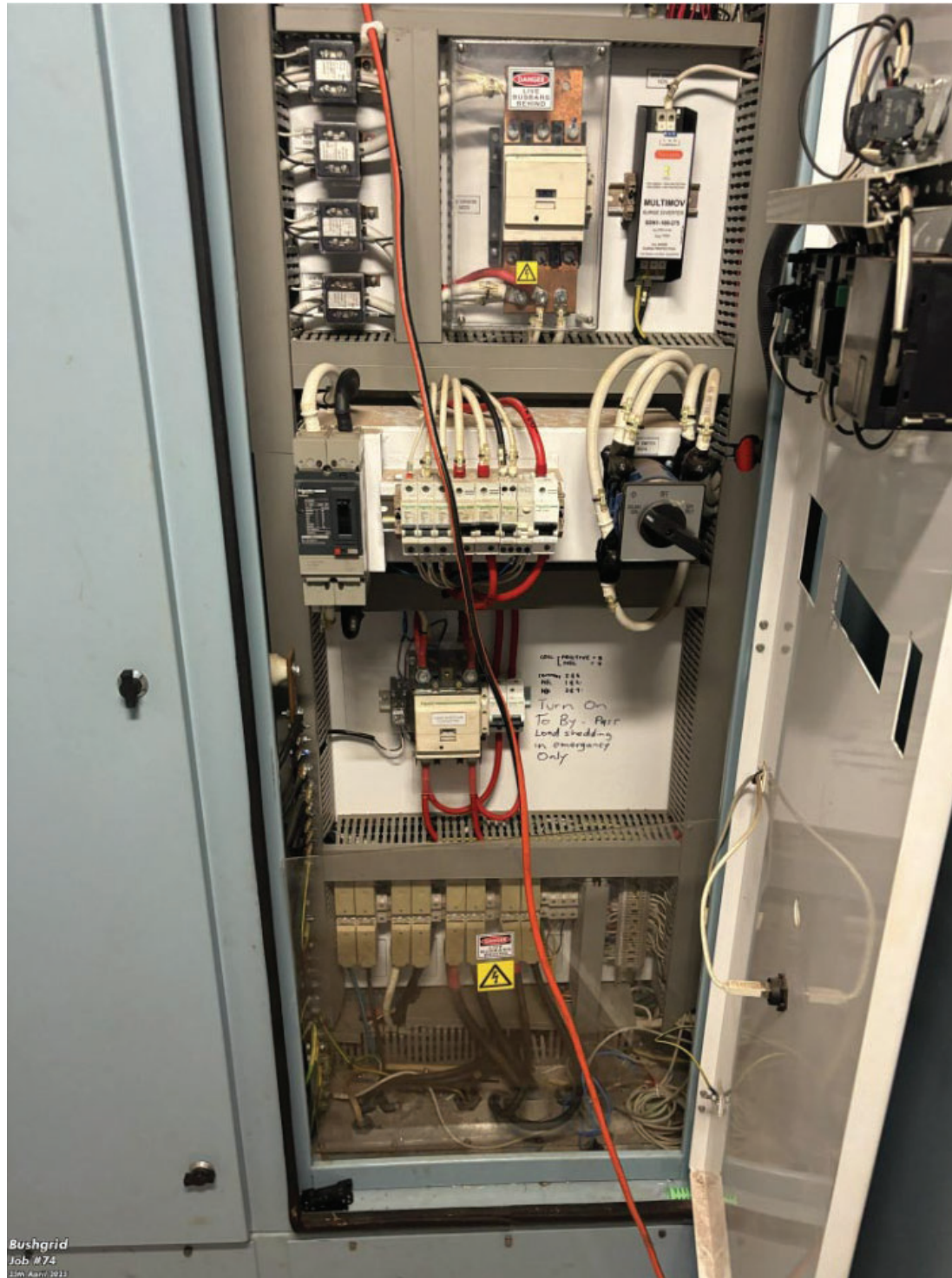


HHIP- NT Wide Initiatives Program – Briany Birany Power Works





HHIP- NT Wide Initiatives Program – Briany Birany Power Works



Bushgrid
Job #74
21st April 2012