



THE KEY FEATURES





Sustainable Design



Collaboration & Innovation



Renewable Energy Use



Green Mobility



Smart Technology Integration



Green Space



Waste Management System



Water Management System



RENEWABLE ENERGY USE



Solar Photovoltaic (PV) Systems

- Large-scale Solar Farms Centralized solar plants providing renewable electricity to all tenants.
- Rooftop Solar Installations (Rooftop Solar PV):
 Maximizes space utilization and energy generation efficiency



Battery Energy Storage Systems (BESS)

- ➤ Stores surplus energy generated during peak solar periods for later use.
- ➤ Ensures continuous, reliable energy supply, balancing load and demand fluctuations.
- Improves grid stability and reduces peak demand charges.

Microgrid Infrastructure

- ➤ Independent localized power grid, capable of disconnecting from the national grid.
- Enhances resilience against grid outages or disruptions.
- ➤ Integrates renewable generation, storage, and load management within the industrial park.

EV Charging Infrastructure

- Network of strategically placed EV charging stations to facilitate sustainable transportation.
- Supports electric mobility transition, reducing overall emissions and promoting cleaner logistics operations.

SUPPORTING FEATURES

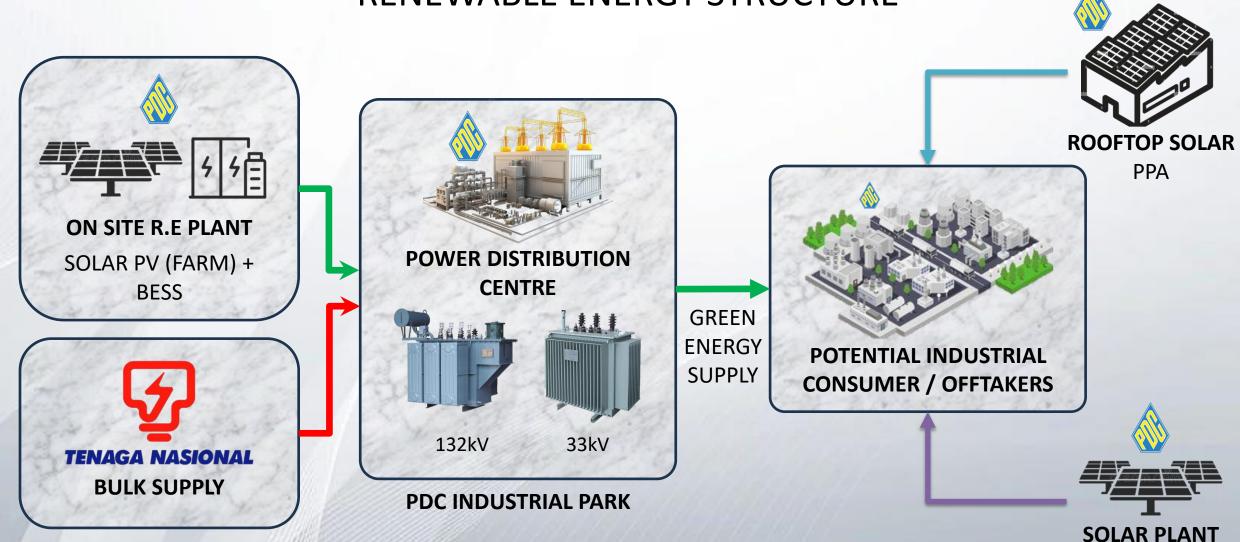
Energy Efficiency and Smart Management

Green Certification & Compliance

Renewable Energy Certificates (RECs)

PROPOSAL FOR: GREEN INDUSTRIAL PARK

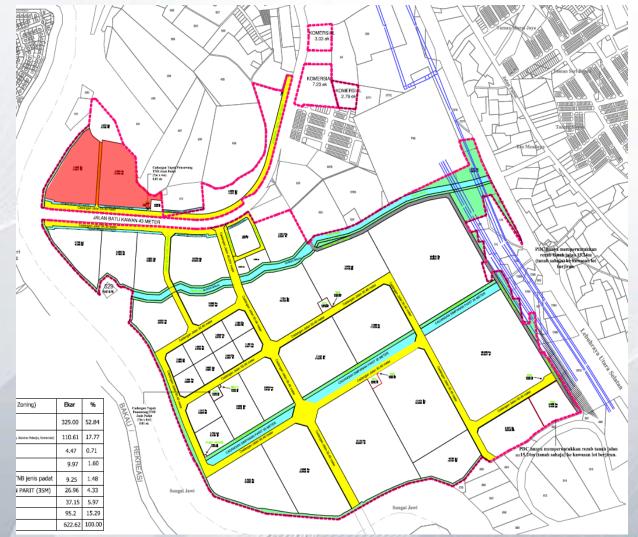
RENEWABLE ENERGY STRUCTURE



CRESS

BATU KAWAN INDUSTRIAL PARK 3



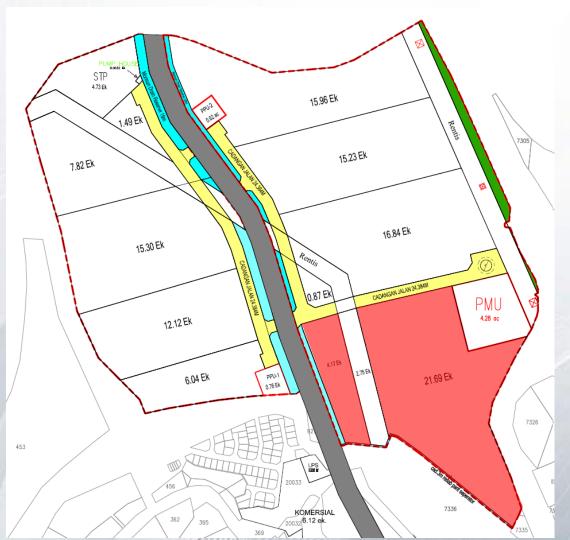




Total Land Size	:	26.4 Acres
Proposed DC Capacity	:	8.87 MWp
Proposed AC Capacity	:	6.00 MWac
Proposed BESS Capacity	:	3.00MWh
Exp. Annual Generation	:	13,249 kWh

PENANG SCIENCE PARK SOUTH







Total Land Size	:	25.9 Acres
Proposed DC Capacity	:	9.20 MWp
Proposed AC Capacity	:	6.00 MWac
Proposed BESS Capacity	:	3.00MWh
Exp. Annual Generation	:	10,029 kWh

