

17th PNG Resources & Energy Investment Conference

10th December 2023
Sydney, Australia





Our purpose and what we do

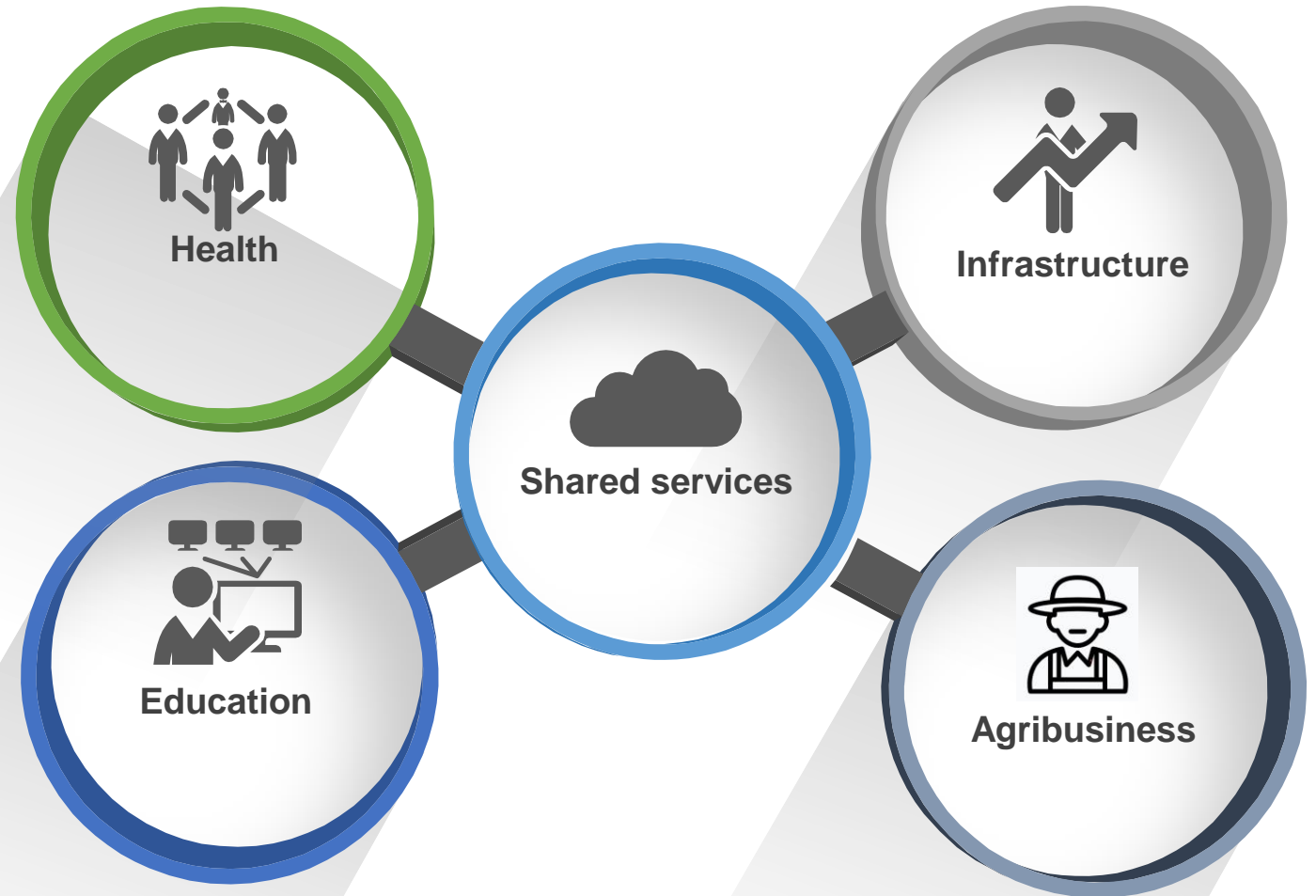
Our purpose is to provide lasting benefits for the people of Western Province.

As a catalyst “impact investor”.

- Supplement and complement the efforts of government.
- Investing in health, education, livelihood and enabling infrastructure.

Hub strategy

- Considers scale and logistical efficiency gains.
- Commitment to being “Greener” (reduced reliance on fossil fuels)
- Community Reach – Daru, Balimo, Morehead and Lake Murray.
- The configuration of each hub vary according to local needs.



Daru agribusiness hub



- **Agribusiness:** The Daru “industrial hub” facilitates our agribusiness program.
- **Integrated solution for agriculture, energy and water:** Focuses on high-value export produce, creating jobs and steady market for smallholder growers and supports the well-being and livelihoods of the local population.
- **Enabling Infrastructure:**
 - Water Desalination Plant
 - Renewable Energy Generation



Daru solar power



Commissioned August 2022

- **Design:** The state-of-the-art PV power generation system includes the most advanced module technology available
 - Capacity of 1.5 MWp
 - Storage 3.6 MWh energy storage battery
- **Total investment:** US\$5.7 million
- **Project timeline:** 12 months
- **Construction/Management/Maintenance:** Innovative Agro Industry (IAI)/LR Group.



Top: Daru solar farm. Below: Solar battery storage



Daru solar cost benefit



The success of our “Daru Industrial Hub” is dependent upon an uninterrupted production process, meaning reliable and stable supply of power and water is critical.

- Industrial Hub Demand – 3 MWh daily
- Since August 2022 – 24/7 operational
- 90% energy cost savings



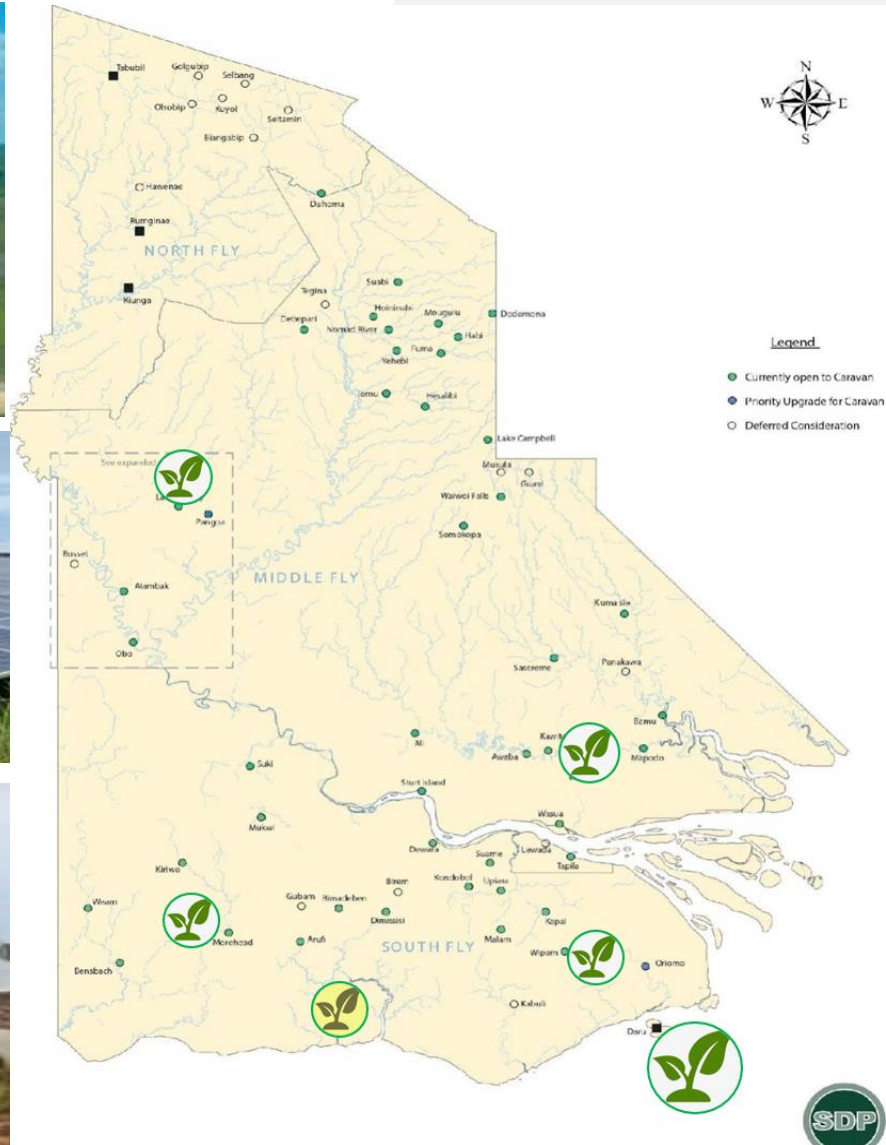
Daru community supply

- Excess of 2-3 Mw daily supply to Daru community.
- SDP to invest into increased capacity, storage and connectivity to PPL to meet community demand
- PPA is in final stages of approval
- PPL to anticipate reduced cost of generation and increased revenue due to reliability.



The community solar grid will be the first of its kind in PNG with great potential to transform the town of Daru to being one of the first communities in the region that will be fully supplied by renewable energy.

Installation in other hubs





Further information

- Visit our website and Facebook page:
- Website – <https://pngsdp.org>
- Facebook – PNG Sustainable Development Program Ltd.