# Hybrid energy storage Vanuatu

Will Vanuatu continue to use the re-sat platform?
An estimate for a quote was presented to the Government of Vanuatu for continued useof the platform beyond the RE-SAT project period. "The Department of Energy is working towards achieving the goals of the National Energy Road Map (NERM) 2030,and it is timely that this project comes to fruition.

How many solar installations are there in efaté (Vanuatu)?
The total installed capacity is 6042 kW,generated by 5 solar PV installationsand 1 on-shore wind farm (installed in 4 phases). This configuration of installations was run through 3 simulated weather years to capture year on year variability. Figure 23: Existing wind and solar installations in Efaté (Vanuatu) as of 2021.

How has re-sat impacted Vanuatu?
The impact that RE-SAT has had in Vanuatu is the ability to explore potential scenarios to achieve their ambitious renewable energy targets of 100% by 2030. RE-SAT is currently used to identify potential sites for the next 5 MWp solar PV projects to be constructed in the next 2 to 3 years.

Who will benefit from re-sat Vanuatu?
"The platform will not benefit the Department of Energyonly but also accessible to other Government Departments,the Regulator and Power Companies that make up the RE-SAT Vanuatu working group.

What is the Vanuatu rural electrification project?
As mentioned earlier,The Vanuatu Rural Electrification Project is aimed at increasing electrification in rural households. Th project is targeting 17,500 households,230 aid posts and 2,000 not-for-profit community halls unable to access affordable,safe and healthy electricity and located in dispersed off-grid areas.

When will the commercial ready platform be available to Vanuatu?
The commercial ready platform (version 2) was successfully launched in Vanuatu in July 2021during our final training workshop (due to the pandemic this took place online). A session to discuss the way forward of how the platform would be made available to Vanuatu after the funded project ends was also included.

In November 2023, Sino Soar Hybrid (Beijing) Technology Co., Ltd. has successfully won the bidding for the Supply, Delivery, Installation and Commissioning of 5 Solar hybrid power ...

The BESS will stabilize the grid integration of the PV plants and enhance the climate resilience of the power system. The project will double the renewable energy supplied to the grid, decrease ...

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The project consists of 5MWp solar photovoltaic (PV) plants with a 11.5 MW/6.75 MWh centralised battery energy storage system (BESS) with grid forming inverters (GIF) at Kawene, ...

Latest beneficiary of EU"s energy storage push . The EU, focusing on raising renewable energy targets in the wake of the Russian invasion of Ukraine with the REPowerEU plan and implementing the various pillars of ...

A detailed review of hybrid energy storage topologies, their sizing, and control techniques is lacking. This deficit in available literature presents a research shortfall in terms of ...

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