

## **Space Launch Delta Civil Engineer and Contracting Squadrons award contract**

A \$11.3M Energy Resilience and Conservation Investment Program (ERCIP) design/build contract for Ascension Auxiliary Airfield (AAAF) was awarded on 21 Jul 2021 by the 45<sup>th</sup> Space Launch Delta Civil Engineer and Contracting squadrons. The project installs a 900KW replacement Wind Turbine Generator (WTG) and new battery Energy Storage System (ESS) with an upgraded Supervisory Control and Data Acquisition (SCADA) system. The 45<sup>th</sup> Civil Engineer squadron is executing the project as the approved alternate Design and Construction Agent.



AAAF is 100% dependent on diesel generators for electrical power with all fuel shipped to the island. The introduction of WTG as a renewable energy source will supplement generator production and reduce annual fuel consumption by providing 15-20% of the installation's total electrical demand. The WTG will also extend support for mission critical operations by maximizing fuel reserve capacity in the event of fuel supply shortages or interruptions.

The battery-based Energy Storage System (ESS) will be utilized as the spinning reserve for the existing diesel engine generators. Interconnection of the ESS with the existing electrical generation and distribution system along with an upgraded SCADA system will ensure seamless and efficient monitoring and operations of the overall utility generation system.

The performance period of this design/build contract is 500 calendar days from Notice to Proceed. Estimated completion is Dec 2022.

