



NAVAL STATION GUANTANAMO BAY ESPC

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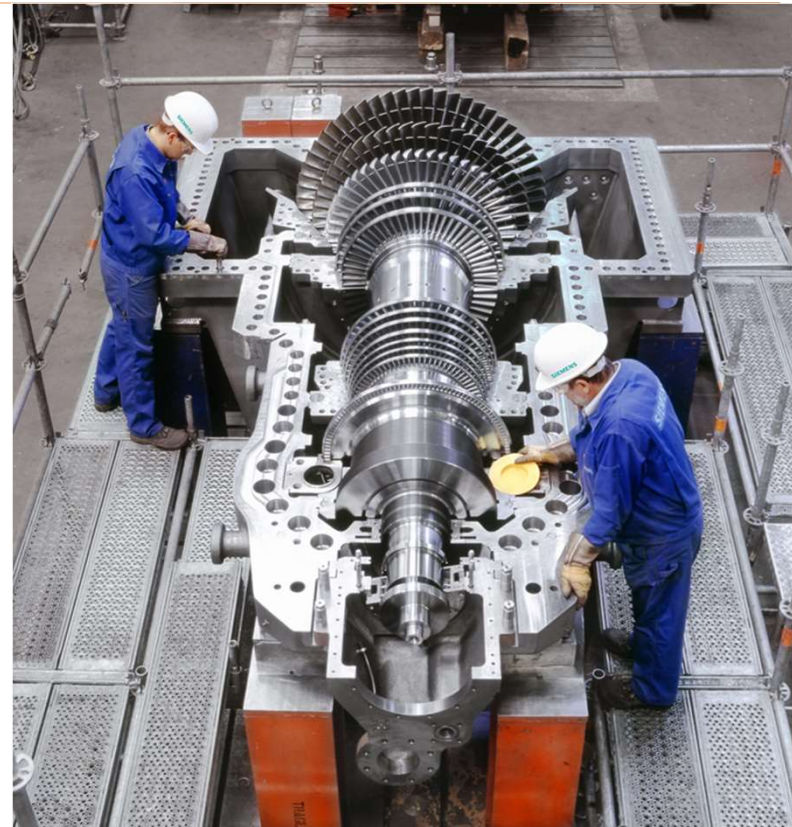
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NAVAL STATION GUANTANAMO BAY ESPC PROJECT OVERVIEW



Key Features of the ESPC:

- Whole base solution providing energy resiliency, reliability and efficiency
- Liquefied natural gas (LNG) as primary fuel source
- LNG procured through Defense Logistics Agency (DLA)
- Cyber secure architecture
- Renewable energy – Photovoltaics, battery storage, and monitoring of the existing wind turbines
- Dual fuel capability providing resilience of supply
- Microgrid management system connecting together the installation's power generation
- Enhanced maintenance, repair and replacement paid for through guaranteed savings

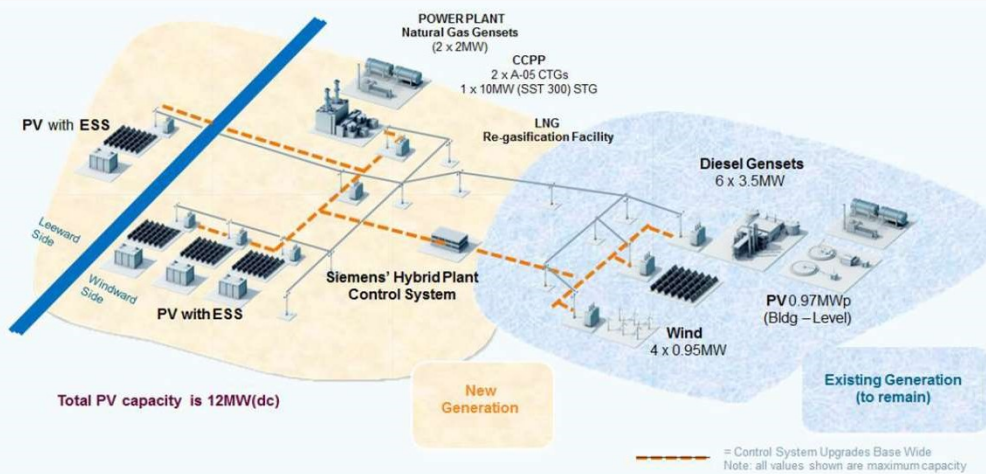
DEMAND SIDE



Scope:

- Heating ventilation and air conditioning
- 10 buildings
- Interior and exterior lighting improvements
- 118 buildings
- Commercial refrigeration improvements
- 9 facilities
- Facility (demand) PV system - 1.73 MWdc
- Water fixture upgrades - 64 buildings
- Water and wastewater upgrades –
Distribution pump upgrades (3 locations)
& effluent reclaimed nursery irrigation system

SUPPLY SIDE



Scope:

- Distributed Generation –24 MW nominal combined cycle power plan (CCPP) with 4000 m3 LNG facility and storage
- New dual fuel power plant
- New LNG regasification and fuel storage terminal
- Two Siemens 5 MW class SGT-A05 high-efficiency dual fuel gas turbine generators
- One Siemens 10 MW nominal SST-300 steam turbine generator
- Two 2 MW natural gas engine generators
- One air-cooled condenser
- New seawater intake

SUMMARY



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- The project supports the Navy's three pillars of energy security: **resiliency, reliability and efficiency**
- New dual fuel power plant complex is **Navy's first use of LNG**
- **18 percent** of the power generated by the new plant will **use renewable sources**