



US Air Force Base Wake Island

the challenge

Waste generated at the Wake Island US Air Force Base (located in the middle of the South Pacific) had to be shipped off the island or open-burned to minimize land use.



Wake Island is a major stopover and refueling site for military and commercial aircraft transiting the Pacific. The airfield is home for 200 to 300 contract personnel whose activities are managed by the US Air Force. The land area of the island is only 6.5 sq. km, and therefore provides limited space for waste storage and disposal options. Moreover, the island's natural beauty and sensitive ecosystem such as the mangrove forest deserve protection. □

our solution

Eco Waste Solutions' technology was chosen to meet the waste disposal needs of the base.

Eco Waste Solutions' approach was to provide a compact system that would reduce waste volume by over 90% without the air pollution created by open burning. The **CA Model (CA-600)** was designed with a 2 second retention time to eliminate smoke and odour.

In addition, the machine was designed to run on JP5 (aviation fuel) that leveraged the existing infrastructure and helped minimize expenses related to importing diesel fuel. □



the results

Environmental Protection

Unsustainable practices such as landfilling raw waste and open-burning have ceased, significantly reducing pollution of the air, land and water. □

Operational Simplicity

Manual loading, push button operation and PLC automation create a system that is easy to use and doesn't require a highly specialized operator. As a result, a number of generally trained personnel are comfortable operating the system. □

project information

Location: Wake Island
Model: CA-600
Capacity: 1000 lbs per day
Waste Type: Camp Waste
Installation: 2005