

# Military Bases



Pearl Harbor, United States

‘We must be able to concentrate in the most demanding situations’

*A reliable climate system is absolutely essential’*

‘The cost savings have enabled to increase our other budgets’

‘We are now armed against salt water’

## WHY PROTECT MILITARY BASES’ CLIMATE SYSTEMS?

- Industry gasses are highly corrosive
- Acid rain is highly corrosive
- Salty winds and sand are highly corrosive

## HOW

- Patented Blygold application protocol

## BENEFITS

- Energy savings up to 20%
- Extends the lifetime of the climate system
- Prevents breakdown of the climate system
- Treatment costs can be recovered in 1 year

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## A SELECTION OF REFERENCES

- U.S. Naval Base
- U.S. Airforce Base
- U.S. Army Base
- Camp Pendleton
- Marine Corp Station
- North Island Naval Station
- U.S. Border Patrol

### INCREASED RISKS FOR CLIMATE SYSTEMS ON MILITARY BASES

At an ever-increasing rate, corrosion is occurring due to acid rain, salty winds, industrial gasses and other aggressive exterior influences. Air cooled heat exchangers are very sensitive to corrosion which has a great impact on performance. A corroded air cooled heat exchanger causes a higher condensing temperature resulting in higher energy consumption.

The reduction in replacements costs and energy consumption is the main reason for maintenance and Facility Managers at military bases to use Blygold protected air conditioners all over the world.

### ENERGY SAVINGS TOP PRIORITY

The Protocol of Kyoto, formulated in 1997, aims to minimize the emissions of greenhouse gasses.

141 countries have agreed to reduce the emissions of greenhouse gasses from the level in 1990 by an average of 5% during the period between 2008 and 2012.

Energy conservation at all levels makes a substantial contribution to these emissions. Nowadays energy conservation should be an item on the agenda of every Facility Manager.

Climate systems are the major consumers of energy and need to be assigned top priority.

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### PRACTICAL EXAMPLE

	Cooler without Blygold coating	Cooler with Blygold coating
Condensation temperature	56 °C	48 °C
Energy consumption	119 kW	113.4 kW
Running hours per annum (598 MW cooling capacity)	2000	1834
Energy consumption	238000 kWh	207775 kWh

**ENERGY SAVINGS 13%**

Contact your local Blygold applicator for extensive test reports

### YOUR LOCAL BLYGOLD APPLICATOR