

# Museums



Louvre Museum, France

‘As Curator, I have to have full confidence in our air conditioning systems’

*‘Damage to pictures and statues is prevented’*

**‘Energy conservation not only reduces costs, but also spares the environment’**

‘An excellent air quality is essential to the conservation of our art treasures’

## **WHY PROTECT MUSEUMS’ CLIMATE SYSTEMS?**

- City gasses are highly corrosive
- Humidity is 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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Louvre Museum, France

## A SELECTION OF REFERENCES

- Louvre Museum
- Van Gogh Museum
- Rijksmuseum
- Beaubourg

### INCREASED RISKS FOR CLIMATE SYSTEMS IN MUSEUMS

One of the most important considerations in operating a museum is the air quality. Museums house collections of artwork that require proper temperature, humidity control and clean air. When the atmosphere in a museum is not according to strict specifications this can result in high restoration costs or damaged artwork. An ever-increasing rate of air pollution is threatening air conditioning systems and the buildings they are in. Pollution will not only affect the indoor air quality but also the performance of the air conditioning system. A corroded air cooled heat exchanger causes a higher condensing temperature resulting in higher energy consumption.

Museums all over the world have chosen Blygold to protect their air conditioning system to ensure a long life, optimal performance and reduced energy costs.



### 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.

### CONTACT

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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