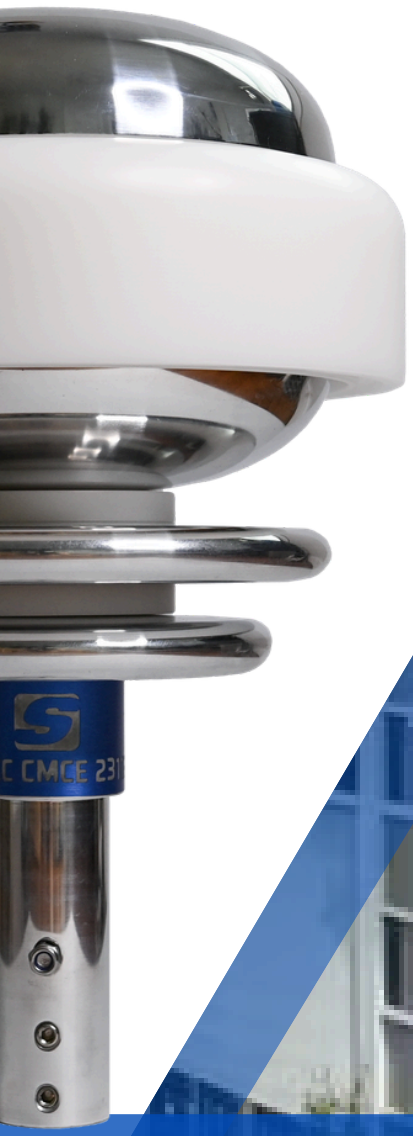
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# BARCELONA CONDOMINIUMS

# CASE STUDY

CMCE LIGHTNING SUPPRESSION SYSTEM

# CASE STUDY

## Barcelona Condominiums Takes a Proactive Approach to Lightning Protection to Improve their Resident Safety

Barcelona Condominiums – Miami, Florida

## The Challenge: Lightning Strikes Threaten Residential Properties

Located in **Miami, Florida, Barcelona Condominiums** is a residential high-rise property situated in one of the most lightning-prone regions in the United States.

After experiencing issues with lightning strikes, the condominium recognized the importance of implementing a more advanced lightning protection solution. Direct lightning strikes can threaten critical building infrastructure, including electrical systems, elevators, HVAC equipment, fire alarms, and other essential operations.

Seeking a proactive approach to protecting the property and its residents, Barcelona Condominiums contacted Encore Land and Sea to explore CMCE Lightning Suppression.

## The Solution: Advanced CMCE Lightning Suppression

Encore Land and Sea provided Barcelona Condominiums with a customized lightning suppression solution designed to protect the entire building.

The team installed one CMCE-120 Lightning Suppressor, providing 500,000 square feet of coverage across the property.

Unlike conventional lightning rods designed to intercept lightning strikes, CMCE Lightning Suppression is engineered to balance the surrounding electrical field and reduce the conditions that contribute to lightning strike formation within its coverage area.

The CMCE system offers several advantages for residential high-rise properties:

- **Extensive Coverage**: One CMCE-120 provides up to 500,000 square feet of protection coverage.
- **Proactive Technology**: Designed to reduce the likelihood of direct lightning strikes rather than intercept them.
- **Low Maintenance**: Passive technology requiring minimal ongoing maintenance.
- **Discreet Installation**: A compact system that minimizes visual impact on the building's architecture.
- **Critical Infrastructure Protection**: Helps address lightning exposure affecting rooftop equipment, electrical systems, and essential building operations.

# CASE STUDY

## The Solution: 500,000 Square Feet of Lightning Suppression Coverage

With the installation of one CMCE-120 Lightning Suppressor, Barcelona Condominiums has taken a proactive step toward reducing lightning-related risks across its entire building.

The installation provides 500,000 square feet of designed coverage, helping safeguard the property, its infrastructure, and residents from the potential consequences of direct lightning strikes.

By investing in CMCE Lightning Suppression, Barcelona Condominiums joins a growing number of residential high-rise properties throughout Florida choosing advanced lightning suppression technology.

## Project Highlights

**Location**: Miami, Florida
**Property**: Barcelona Condominiums
**Management**: Barcelona I Condo Association
**Lightning Incidents**: Direct Lightning Strikes
**CMCE Installation**: One CMCE-120
**Designed Coverage**: Approximately 500,000 Square Feet
**Protected Area**: Entire Building & Surrounding Property

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